Answer Solutions Specification Guide

Price Adjustment July 18, 2022

Like all industries, Steelcase continues to be affected by commodity, freight, and labor inflationary pressures at unprecedented rates. A price adjustment of 9% will be implemented across the board including Steelcase, Coalesse, West Elm, and Orangebox effective July 18, 2022. This price adjustment applies to the products, options, surface materials, and customer service parts of the Steelcase family of brands represented in our specification guides. The adjustment is NOT reflected in this June specification guide. AutoPricing for Price List 200 US/156 Canada is anticipated to be available in Hedberg on or around June 20.

Availability

Electronic price list updated with release 198.B (U.S.) and 155.B (Canada), dated June 20, 2022.

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

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

View or download Steelcase Specification Guides at *https://steelcase.s4mrc.com/na/spec-guides/individual-spec-guides?limit=30&p=1*

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 *https://finishlibrary.steelcase.com/*.

▶For a list of all trademarks, refer to the last page of this specification guide.
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Worktools Partners products can be found in the *Steelcase Category Partners Specification Guide* on https://steelcase.s4mrc.com/na/spec-guides.

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.

Working With This Specification Guide

Ten Tips: How to Get the Most Out of This Book 2
Additional Resources 4

Understanding

Panels—Thin Trim 5
Panels—Square and Oval Trim 85
Shared Components 117
Wiring and Cabling 167
Universal Systems Worksurfaces and Supports 197
Worksurface Screens 247
Universal Tables 273
media:scape and Monitor Mount Integration 291
Counterweights 299
Universal Steel Storage Products 309
Duo Storage Products 343

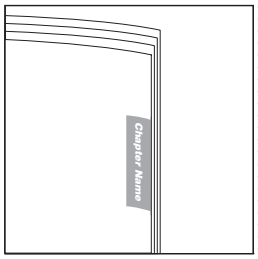
Specifying

Panels—Thin Trim 351
Panels—Square and Oval Trim 429
Shared Components and Wiring and Cabling 469
Universal Systems Worksurfaces and Supports 537
Worksurface Screens 597
Worksurface Power and Communication 611
Universal Tables 621
media:scape and Monitor Mount Integration 643
Universal Steel Storage Products 649
Storage Tops, Shelves, and Accessories 703
Duo Storage Products 719

Surface Materials 723
Resources 741

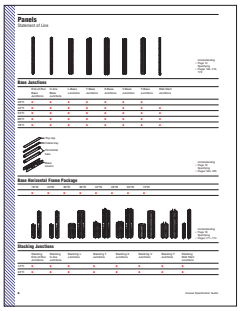
Ten Tips:
How to Get the Most Out of This Book

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

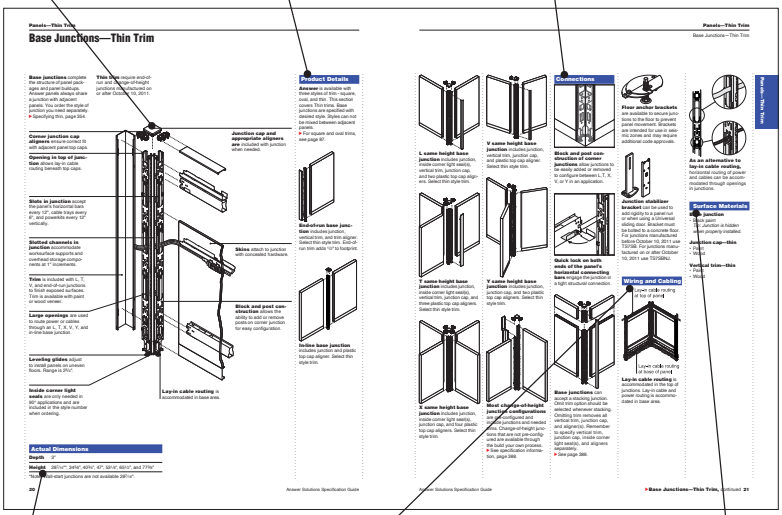
Study the product detail pages in the *Understanding* section to learn everything an expert knows about specific products. Each product detail page in this section contains the following features, where applicable:

- 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
June 2022

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:

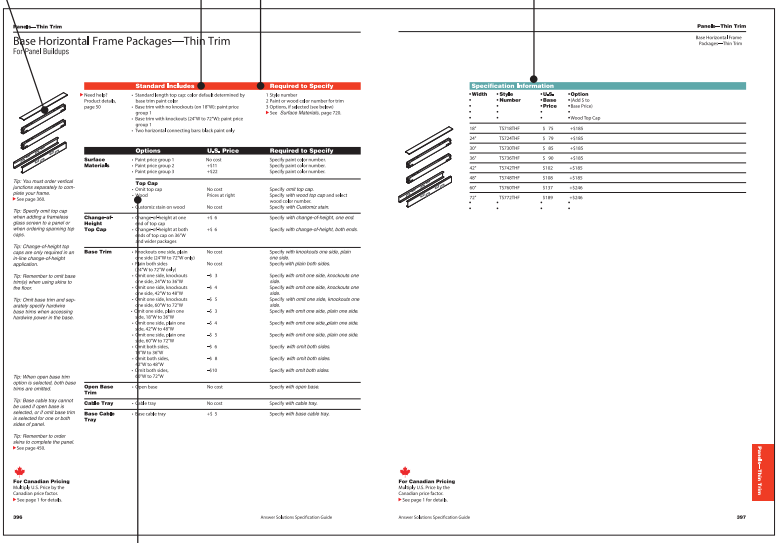
- Product Drawing
- Standard Includes
- Required to Specify
- Options
- Related Products
- Specification Information
  - Dimensions
  - Style Number
  - Price

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

Specification Information

Related Products

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

Required to Specify

Specify *with Customiz Stain*

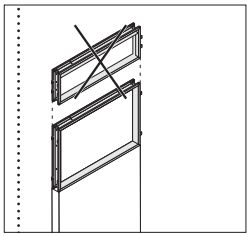
Italic typeface on specifying pages usually identifies wording that you should use in your order.

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.

Additional Resources

Answer 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 Resources web site at village.steelcase.com.

Additional storage products can be found in the *Storage Specification Guide.*

Printed Materials

Answer Product Brochure
This resource is your single source for everything you need to sell Answer. It contains photography showcasing a range of aesthetic and planning options. A complete statement of line, which highlights worksurfaces and storage options, also is included.
Form number 11-0002374

Storage Specification Guide contains storage that attaches to Answer and the full offering of large case storage for use outside of workstations.

Answer Freestanding Specification Guide contains lighting, wall-mount storage, screens, and wire management products.

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).

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 Project-Symbols 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.

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

Answer Product Training
Basic training for Answer and many other Steelcase products is available as part of the Building Product Muscle curriculum on the Steelcase University Web site at village.steelcase.com.

The Answer BPM web-based module is an interactive course filled with pictures, product detail, and practice exercises designed to build knowledge of Answer's positioning, statement of line, features and benefits, competitive products, application, and sales presentation. It also provides printable job aids of all content covered in the course to serve as ongoing performance support for Steelcase and dealer salespeople. The Answer BPM is course SAL140.

Planning Ideas

Planning ideas are available to help inspire, envision, and plan great solutions. 2D and 3D AutoCAD drawings, Sketch-Up files, and SmartTools drawings are available on the Planning Ideas site: www.steelcase.com/planningideas.

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, 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 concerns or service parts questions.

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

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

Related Products

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* or contact Steelcase at 1.888.STEELCASE (1.888.783.3522) or send an email to lineone@steelcase.com.

Height-adjustable desks include a full line of crank, counterbalance, and electric height-adjustable desks which promote well-being in the office.
▶ For additional information, refer to *Height-Adjustable Desks Specification Guide* or call 1.888.STEELCASE or send an email to lineone@steelcase.com.

Answer Assembly Tool
As an alternative to using a rubber mallet, frames can be assembled using the Answer Assembly Tool.
Call Steelcase for pricing and order information. 1.888.STEELCASE (1.888.783.3522) or send an email to lineone@steelcase.com.

Understanding Panels—Thin Trim

Statement of Line 6

Product Details

- Answer Panel Overview—Thin Trim 16
- Panel Buildups 18
- Base Junctions—Thin Trim 20
- Change-of-Height—Thin Trim 24
- Change-of-Height Visual Overview—Thin Trim 26
- Off-Module Panel Connector—Thin Trim 30
- Stacking Junctions—Thin Trim 32
- Build Your Own Elements—Thin Trim 35
- Build Your Own Change-of-Height—Thin Trim 40
- Practice Examples—Thin Trim 45
- Build Your Own 3" In-Line Junction—Thin Trim 46
- Build Your Own Stacking Junctions—Thin Trim 48
- Reconfiguring with Answer—General Guidelines 52
- Base Horizontal Frame Packages—Thin Trim 58
- Stacking Horizontal Frame Packages 62
- Frameless Glass Screens with Recessed Attachment—Thin Trim 64
- Frameless Glass Screens with Clip Attachment—Thin Trim 68
- Universal Screens with Answer Thin Trim Top Cap 70
- Sarto Fence Screens with Answer Thin Trim Top Cap 72
- Top Cap Mounted Storage 74
- Panel Packages—Thin Trim 78
- Answer Boundary Screens 80

Stability Guidelines 148

Statement of Line



Understanding
▶ Page 20
Specifying
▶ Pages 352–356

Base Junctions—Thin Trim

	In-Line Base Junctions	L-Base Junctions	T-Base Junctions	X-Base Junctions	End-of-Run Base Junctions	V-Base Junctions	Y-Base Junctions	Wall-Start Junctions
30"	●	●	●	●	●	●	●	●
36"	●	●	●	●	●	●	●	●
42"	●	●	●	●	●	●	●	●
48"	●	●	●	●	●	●	●	●
54"	●	●	●	●	●	●	●	●
66"	●	●	●	●	●	●	●	●
78"	●	●	●	●	●	●	●	●



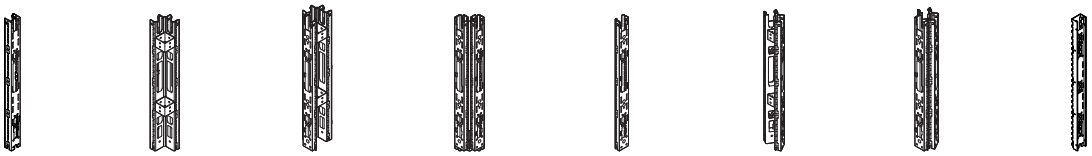
Understanding
▶ Page 24
Specifying
▶ Pages 357–370

Change-of-Height Junctions—Thin Trim

In-Line Change-of-Height Junction	L Change-of-Height Junction	T Change-of-Height Junction	X Change-of-Height Junction	V Change-of-Height Junction	Y Change-of-Height Junction
●	●	●	●	●	●

Note: Accommodates most panel heights and combinations.
▶ *See* Change-of-Height Visual Overview—Thin Trim, *page 26*.

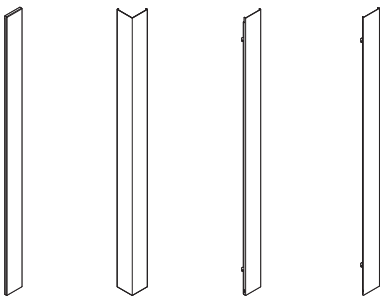
Tip: Answer to c:scape junctions are also available to connect Answer panels and c:scape beams.
▶ *See* page 389



Understanding
▶ Page 32
Specifying
▶ Pages 375–376

Stacking Junctions—Thin Trim

	Stacking In-Line Junctions	Stacking L Junctions	Stacking T Junctions	Stacking X Junctions	Stacking End-of-Run Junctions	Stacking V Junctions	Stacking Y Junctions	Wall-Start Junction
6"	●	●	●	●	●	●	●	●
12"	●	●	●	●	●	●	●	●
18"	●	●	●	●	●	●	●	●
24"	●	●	●	●	●	●	●	●



Understanding
▶ Pages 37–38
Specifying
▶ Page 380

Vertical Trim—Thin Trim

	End-of-Run Vertical Trim	L Vertical Trim	T Vertical Trim	V Vertical Trim
30"	●	●	●	●
36"	●	●	●	●
42"	●	●	●	●
48"	●	●	●	●
54"	●	●	●	●
60"	●	●	●	●
66"	●	●	●	●
72"	●	●	●	●
78"	●	●	●	●
84"	●	●	●	●
90"	●	●	●	●



Understanding
▶ Pages 38–39
Specifying
▶ Page 383

Change-of-Height—Thin Trim

	End-of-Run Change-of-Height	L Corner Change-of-Height	T Corner Change-of-Height	120° Corner Change-of-Height	V Change-of-Height
6"	●	●	●	●	●
12"	●	●	●	●	●
18"	●	●	●	●	●
24"	●	●	●	●	●
30"	●	●	●	●	●
36"	●	●	●	●	●

Note: For all change-of-height trim, see Change-of-Height—Thin Trim *on page 38.*

Statement of Line, continued



Understanding
▶ Page 35
Specifying
▶ Page 386

Junction Posts

30"	36"	42"	48"	54"	66"	78"
●	●	●	●	●	●	●



Understanding
▶ Page 35
Specifying
▶ Page 387

Junction Blocks

90° Corner	120° Corner
●	●

Understanding
▶ Page 35
Specifying
▶ Page 387

Inside Corner Light Seals

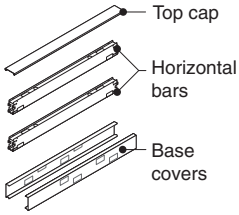
54"	66"	78"
●	●	●



Understanding
▶ Page 36
Specifying
▶ Page 388

Junction Caps

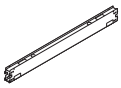
90° Corner Junction Cap	120° Corner Junction Cap	90° Change-of-Height Junction Cap	Junction Cap Corner Aligner
●	●	●	●



Understanding
▶ Page 58
Specifying
▶ Page 392

Base Horizontal Frame Packages—Thin Trim

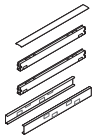
18"	24"	30"	36"	42"	48"	60"	72"
●	●	●	●	●	●	●	●



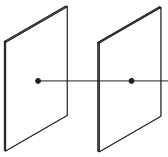
Understanding
▶ Page 62
Specifying
▶ Page 394

Stacking Horizontal Frame Packages

18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
●	●	●	●	●	●	●	●



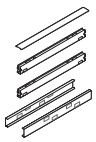
Horizontal frame package



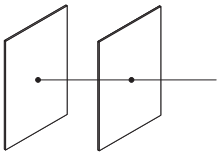
Understanding
▶ Page 78
Specifying
▶ Page 406

Performance Tackable Acoustical Panel Packages—Thin Trim

	18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
42"H	●	●	●	●	●	●	●	●
48"H	●	●	●	●	●	●	●	●
54"H	●	●	●	●	●	●	●	●
66"H	●	●	●	●	●	●	●	●



Horizontal frame package

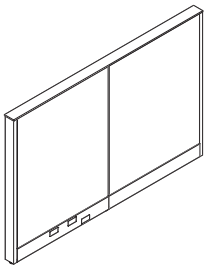


Understanding
▶ Page 78
Specifying
▶ Page 406

Tackable Acoustical Panel Packages—Thin Trim

	18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
42"H	●	●	●	●	●	●	●	●
48"H	●	●	●	●	●	●	●	●
54"H	●	●	●	●	●	●	●	●
66"H	●	●	●	●	●	●	●	●

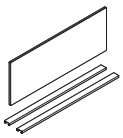
Statement of Line, continued



Understanding
▶ Page 58
Specifying
▶ Page 395

Spanning Top Caps—Thin Trim

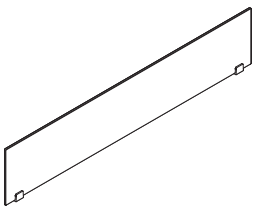
36"W	42"W	48"W	60"W	72"W	78"W	84"W	90"W	96"W
●	●	●	●	●	●	●	●	●



Understanding
▶ Page 64
Specifying
▶ Page 396

Frameless Glass Screens with Recessed Attachment—Thin Trim

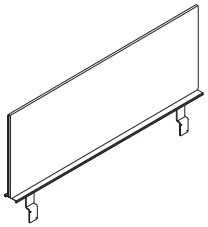
	24"W	30"W	36"W	42"W	48"W	54"W	60"W	66"W	72"W	78"W	84"W	90"W	96"W
6"H	●	●	●	●	●	●	●	●	●	●	●	●	●
12"H	●	●	●	●	●	●	●	●	●	●	●	●	●
18"H	●	●	●	●	●	●	●	●	●	●	●	●	●
24"H	●	●	●	●	●	●	●	●	●	●	●	●	●



Understanding
▶ Page 68
Specifying
▶ Page 400

Frameless Glass Screens with Clip Attachment—Thin Trim

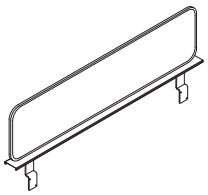
	24"W	30"W	36"W	42"W	48"W	60"W	72"W	78"W	84"W	90"W	96"W
12"H	●	●	●	●	●	●	●	●	●	●	●



Understanding
▶ Page 70
Specifying
▶ Page 402

Universal Screens with Answer Thin Trim Top Cap

	24"W	30"W	36"W	42"W	48"W	54"W	60"W	66"W	72"W	78"W	84"W	90"W	96"W
13 1/2"H	●	●	●	●	●	●	●	●	●	●	●	●	●
19 1/2"H	●	●	●	●	●	●	●	●	●	●	●	●	●



Understanding
▶ Page 72
Specifying
▶ Page 402

Sarto Fence Screens with Answer Thin Trim Top Cap

	24"W	30"W	36"W	42"W	48"W	54"W	60"W	66"W	72"W	78"W	84"W	90"W	96"W
13 1/2"H	●	●	●	●	●	●	●	●	●	●	●	●	●
19 1/2"H	●	●	●	●	●	●	●	●	●	●	●	●	●



Center Mount Bracket



Aisle Mount Bracket

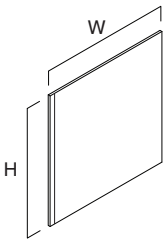
Understanding
▶ Page 74
Specifying
▶ Page 404

Top Cap Mounted Storage—Center Mounted and Aisleway

30"W	36"W	42"W	48"W	54"W	60"W	66"W	72"W (Width of storage unit)
●	●	●	●	●	●	●	●

Statement of Line, continued

Straight Boundary Screens

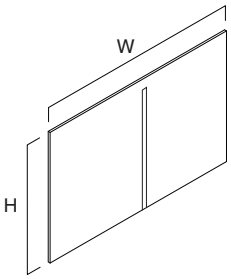


Understanding
▶Page 80
Specifying
▶Pages 408 and 412

Single-Sided Boundary Screens

	27"W	33"W	39"W	45"W	51"W	57"W	63"W	69"W	75"W
30"H	●	●	●	●	●	●	●	●	●
36"H	●	●	●	●	●	●	●	●	●
42"H	●	●	●	●	●	●	●	●	●
48"H	●	●	●	●	●	●	●	●	●
54"H	●	●	●	●	●	●	●	●	●

Tip: Single-sided boundary screens are available in both single-connect and dual-connect.



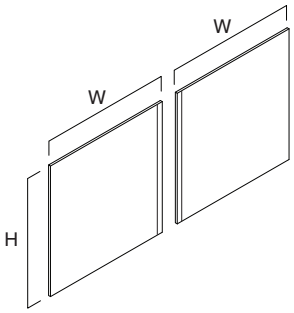
Understanding
▶Page 80
Specifying
▶Pages 408 and 412

Spanning Boundary Screens

	51"W	57"W	63"W	69"W	75"W
30"H	●	●	●	●	●
36"H	●	●	●	●	●
42"H	●	●	●	●	●
48"H	●	●	●	●	●
54"H	●	●	●	●	●

Tip: Spanning boundary screens are available in both single-connect and dual-connect.

Straight Boundary Screens, continued



Understanding
▶Page 80
Specifying
▶Pages 408 and 412

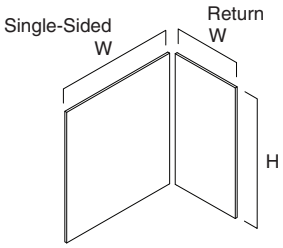
Split Boundary Screens

	25 1/2"W	31 1/2"W	37 1/2"W	43 1/2"W	49 1/2"W	55 1/2"W	61 1/2"W	67 1/2"W	73 1/2"W
30"H	●	●	●	●	●	●	●	●	●
36"H	●	●	●	●	●	●	●	●	●
42"H	●	●	●	●	●	●	●	●	●
48"H	●	●	●	●	●	●	●	●	●
54"H	●	●	●	●	●	●	●	●	●

Tip: Split boundary screens are available in both single-connect and dual-connect.
Tip: Width must be specified for each split segment.

Statement of Line, continued

L Return Single-Sided Boundary Screens



Understanding
▶Page 80
Specifying
▶Pages 416 and 422

Single-Sided Screens (Primary Screens)

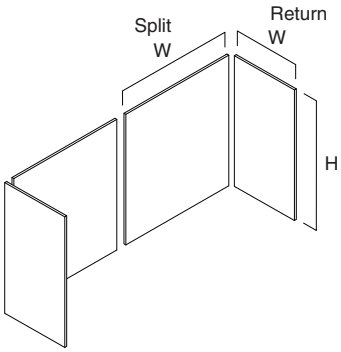
	27"W	33"W	39"W	45"W	51"W	57"W	63"W	69"W	75"W
30"H	●	●	●	●	●	●	●	●	●
36"H	●	●	●	●	●	●	●	●	●
42"H	●	●	●	●	●	●	●	●	●
48"H	●	●	●	●	●	●	●	●	●
54"H	●	●	●	●	●	●	●	●	●

Return Screens

	18"W	24"W	30"W
30"H	●	●	●
36"H	●	●	●
42"H	●	●	●
48"H	●	●	●
54"H	●	●	●

Tip: L return single-sided boundary screens are available in both single-connect and dual-connect.
Tip: Primary and return screens may be specified with equal or unequal widths.

L Return Split Boundary Screens



Understanding
▶Page 80
Specifying
▶Pages 416 and 422

Split Screens (Primary Screens)

	25 1/2"W	31 1/2"W	37 1/2"W	43 1/2"W	49 1/2"W	55 1/2"W	61 1/2"W	67 1/2"W	73 1/2"W
30"H	●	●	●	●	●	●	●	●	●
36"H	●	●	●	●	●	●	●	●	●
42"H	●	●	●	●	●	●	●	●	●
48"H	●	●	●	●	●	●	●	●	●
54"H	●	●	●	●	●	●	●	●	●

Return Screens

	18"W	24"W	30"W
30"H	●	●	●
36"H	●	●	●
42"H	●	●	●
48"H	●	●	●
54"H	●	●	●

Tip: L return split boundary screens are available in both single-connect and dual-connect.
Tip: Width must be specified for each split segment.
Tip: Primary and return screens may be specified with equal or unequal widths.

Answer Panel Overview—Thin Trim

Thin, square, and oval trim styles are available on Answer panels. Trim styles are not compatible with each other. Applications must use one consistent trim style.

Panel buildups allow you to create unique configurations by mixing surface materials and colors on segmented panels. Order skins and horizontal frame packages separately.

Panel frame is made up of two major elements—vertical base junctions and base horizontal connecting bars.

Stacking components can be used on both panel buildups and panel packages.

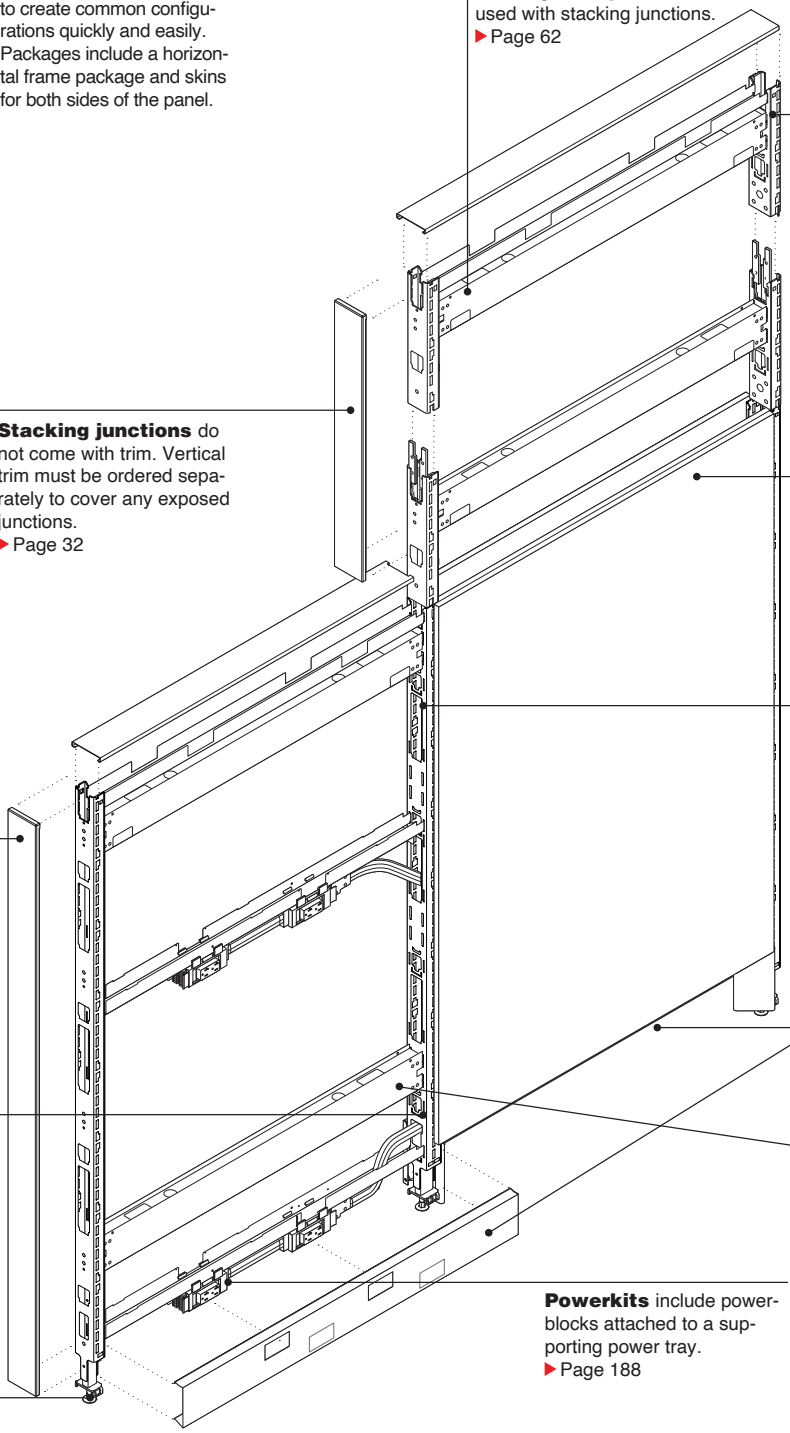
Panel packages are used to create common configurations quickly and easily. Packages include a horizontal frame package and skins for both sides of the panel.

Stacking junctions do not come with trim. Vertical trim must be ordered separately to cover any exposed junctions.
▶ Page 32

Thin end-of-run trim has an integral finished end.

Alternate powerkit harness routing can be accommodated through the junction opening. In in-line applications installed on uneven floors, route harness through junction opening to prevent harness from being exposed.

Leveling glides adjust to install panels on uneven floors. Range is 2 3/4".



Stacking horizontal frame package must be used with stacking junctions.
▶ Page 62

Stacking junctions can be used in panel buildups and panel packages. They are available for in-line, L, T, X, V, Y, and end-of-run configurations.
▶ Page 32

Skins attach to frame without tools and can be removed and repositioned easily.
▶ Page 124

Base junctions are always shared by adjacent panels. They are available for in-line, L, T, X, V, Y, and end-of-run configurations. Wall-start junctions and off-module connectors are also available.
▶ Page 20

Base trims, open base, or big open base trim styles are available on panels with Thin trim style.

Base horizontal connecting bars lock into the vertical junctions at the top and the bottom location of base junction to provide structural stability for the panels.

Powerkits include powerblocks attached to a supporting power tray.
▶ Page 188

Actual Dimensions

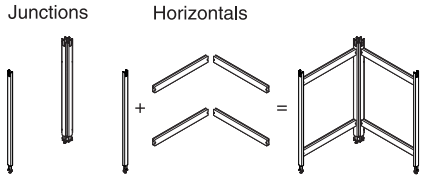
Height 29 1/2", 35 11/16", 41 7/8", 48 1/16", 54 1/4", 66 19/32", and 78 31/32"

Note: Height is minimum from floor to top of top caps. Leveling glides can extend 2 3/4".

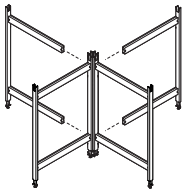
Panel Buildups

Order panel components separately
to create unique configurations.

1. Begin by planning your frames. Junctions determine height and horizontal connecting bars determine width.

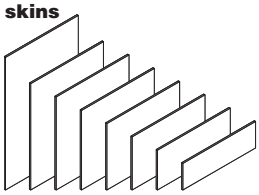


1a. Corner junctions can easily be reconfigured by adding or removing a junction post (available on junctions shipped on or after October 10, 2011).

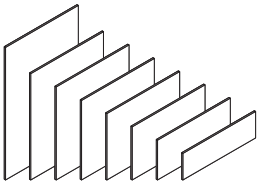


2. Order skins for both sides of panel.
Exception: Windows accommodate both sides of the panel.

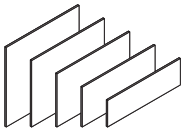
Performance tackable acoustical fabric-covered skins



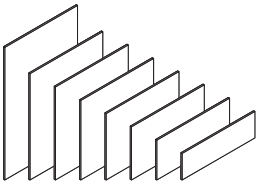
Tackable acoustical fabric-covered skins



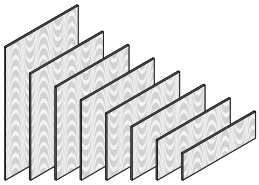
Steel skins (12"H, 18"H, and 24"H have ribbed and perforated options)



Laminate skins

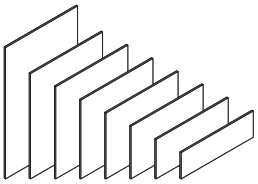


Wood skins

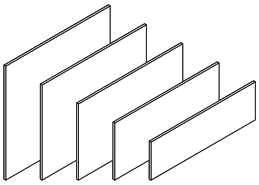


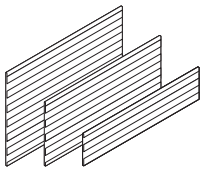
Tip: Wood skin sets are available for 42", 48", 54", and 66" panel heights.

Back painted glass skins

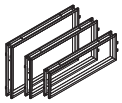


Markerboard skins

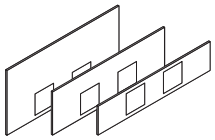




Slatwall



Windows

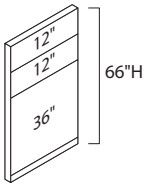


Technology skins

Answer allows a wide variety of skin arrangements to meet specific functional and aesthetic needs. Skins are not dedicated to a specific location and can be used anywhere on the face of the panel.

2. Order skins for both sides of panel, continued

When specifying skins, the total skin height will be 6" less than the overall panel height. For example, if the panel is 66"H the total skin height will be 60".



When planning skin segments, add skin heights together and add an additional 6" for total height.
Skins = 12" + 12" + 36" = 60"
Trim = 6"
Total = 66"H

Skins to the floor are available in fabric, steel, laminate, wood, or wood skin sets. Skins to the floor also plan 6" shorter than the height of the panel, but are taller in actual height to cover the base trim area of the panel. For example, a 54"H panel with to the floor skins would require a 48" skin with suffix "F", which would be approximately 53"H actual dimension.

Tip: Omit base trim option should be selected on the frame package when using a skin to the floor.

Panel Height	Total Standard Skin Height	Style Number	Total Skin To The Floor Height	Style Number
30"H Panel	24"	TS72430TK	24"	TS72430TKF
42"H Panel	36"	TS73630TK	36"	TS73630TKF
48"H Panel	42"	TS74230TK	42"	TS74230TKF
54"H Panel	48"	TS74830TK	48"	TS74830TKF
66"H Panel	60"	TS76030TK	60"	TS76030TKF
78"H Panel	72"	TS77230TK	72"	TS77230TKF

Monolithic Skins

54"H Panels



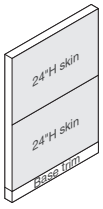
Qty 1 - TS74830TK



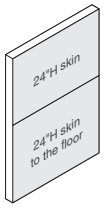
Qty 1 - TS74830TKF

Segmented Skins

54"H Panels

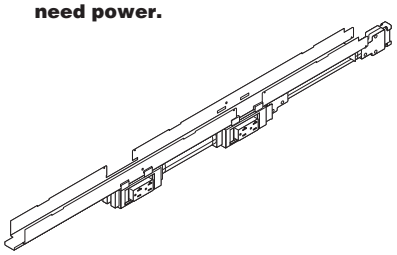


Qty 2 - TS72430TK



Qty 1 - TS72430TK
Qty 1 - TS72430TKF

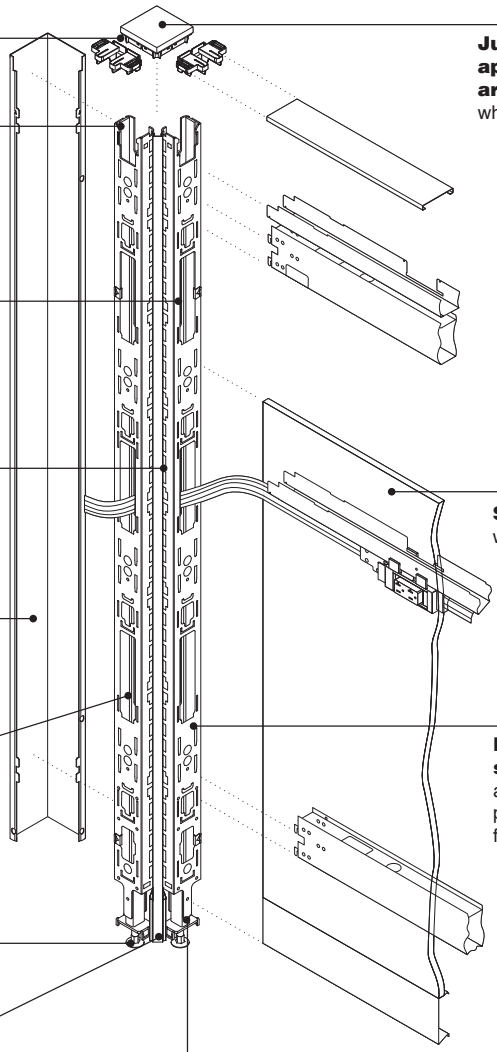
3. Specify powerkits where you will need power.



Base Junctions—Thin Trim

Base junctions complete the structure of panel packages and panel buildups. Answer panels always share a junction with adjacent panels. You order the style of junction you need separately.
▶Specifying thin, page 352.

Thin trim require end-of-run and change-of-height junctions manufactured on or after October 10, 2011.



Corner junction cap aligners ensure correct fit with adjacent panel top caps.

Opening in top of junction allows lay-in cable routing beneath top caps.

Slots in junction accept the panel's horizontal bars every 12", cable trays every 6", and powerkits every 12" vertically.

Slotted channels in junction accommodate worksurface supports and overhead storage components at 1" increments.

Trim is included with L, T, V, and end-of-run junctions to finish exposed surfaces. Trim is available with paint or wood veneer.

Large openings are used to route power or cables through an L, T, X, V, Y, and in-line base junction.

Leveling glides adjust to install panels on uneven floors. Range is 2 3/4".

Inside corner light seals are only needed in 90° applications and are included in the style number when ordering.

Junction cap and appropriate aligners are included with junction when needed.

Skins attach to junction with concealed hardware.

Block and post construction allows the ability to add or remove posts on corner junction for easy configuration.

Lay-in cable routing is accommodated in base area.

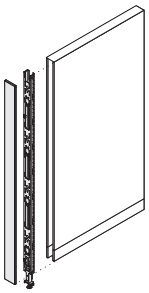
Actual Dimensions

Depth	3"
Height	28 7/16"*, 34 5/8", 40 3/4", 47", 53 1/8", 65 1/2", and 77 3/8"

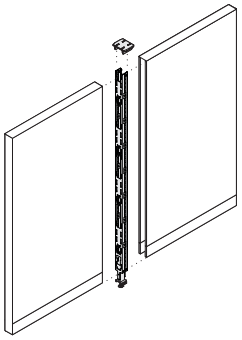
*Note: Wall-start junctions are not available 28 7/16".

Product Details

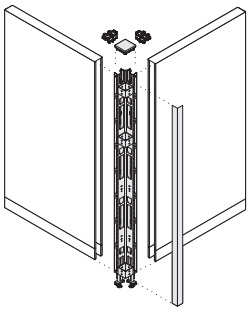
Answer is available with three styles of trim - square, oval, and thin. This section covers Thin trims. Base junctions are specified with desired style. Styles can not be mixed between adjacent panels.
▶For square and oval trims, see page 85.



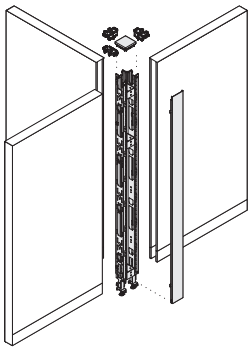
End-of-run base junction includes junction, vertical trim, and trim aligner. Select thin style trim. End-of-run trim adds 1/2" to footprint.



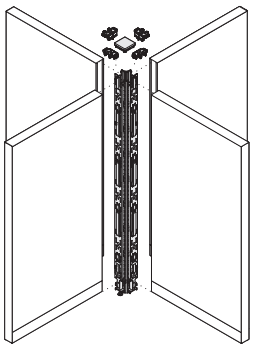
In-line base junction includes junction and plastic top cap aligner. Select thin style trim.



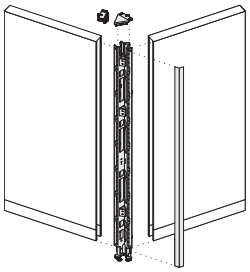
L same height base junction includes junction, inside corner light seal(s), vertical trim, junction cap, and two plastic top cap aligners. Select thin style trim.



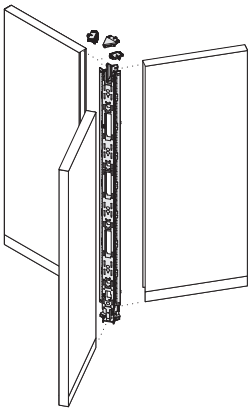
T same height base junction includes junction, inside corner light seal(s), vertical trim, junction cap, and three plastic top cap aligners. Select thin style trim.



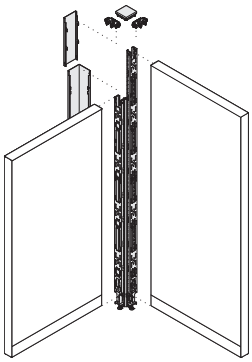
X same height base junction includes junction, inside corner light seal(s), junction cap, and four plastic top cap aligners. Select thin style trim.



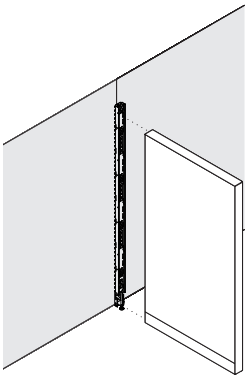
V same height base junction includes junction, vertical trim, junction cap, and plastic top cap aligner. Select thin style trim.



Y same height base junction includes junction, junction cap, and two plastic top cap aligners. Select thin style trim.



Most change-of-height junction configurations are pre-configured and include junctions and needed trims. Change-of-height junctions that are not pre-configured are available through the build your own process.
▶ See specification information, page 386.



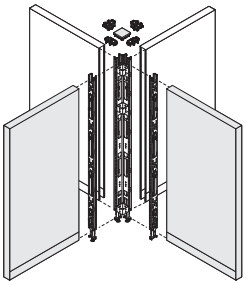
Wall-start junction secures to the stud in a structural wall or drywall fasteners can be used. Vertical trim is not needed. Also used in off-module applications. Wall-start junction adds $^{3}/_{16}$" dimension to panel run.



An in-line top cap aligner is included with in-line junctions. Select thin style.

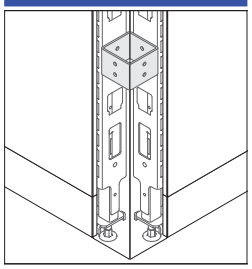


Top cap aligners are included with end-of-run, L, T, X, V, and Y junctions.

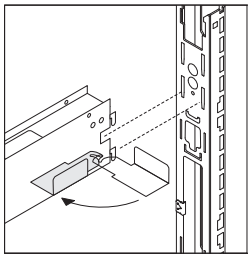


Posts can be added or removed from corner junctions to change from one corner to another.

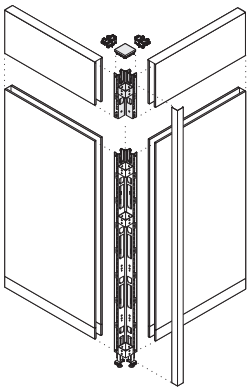
Connections



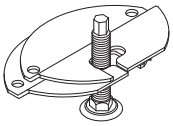
Block and post construction of corner junctions allow junctions to be easily added or removed to configure between L,T, X, V, or Y in an application.



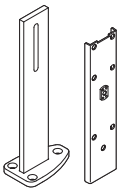
Quick lock on both ends of the panel's horizontal connecting bars engage the junction in a tight structural connection.



Base junctions can accept a stacking junction. Omit trim option should be selected whenever stacking. Omitting trim removes all vertical trim, junction cap, and aligner(s). Remember to specify vertical trim, junction cap, inside corner light seal(s), and aligners separately.
▶ See page 386.



Floor anchor brackets are available to secure junctions to the floor to prevent panel movement. Brackets are intended for use in seismic zones and may require additional code approvals.



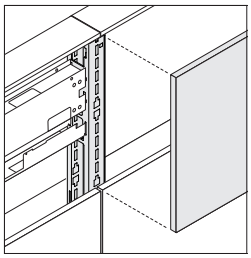
Junction stabilizer bracket can be used to add rigidity to a panel run or when using a Universal sliding door. Bracket must be bolted to a concrete floor. For junctions manufactured before October 10, 2011 use TS7SB. For junctions manufactured on or after October 10, 2011 use TS7SBNJ.

Bracket foot is visible on one side of panel when installed.

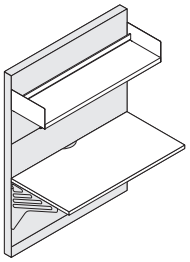
Junction stabilizer bracket blocks power routing in the panel base and just above the base areas. The bracket covers the slots on the junction where the powerkit connects in these two zones. It also blocks the ability for a powerkit harness, pass-through powerkit, or modular harness to route in the base area from an adjacent panel.

Junction stabilizer bracket also blocks lay in of cables in base area of panel.

Base Junctions—Thin Trim, continued

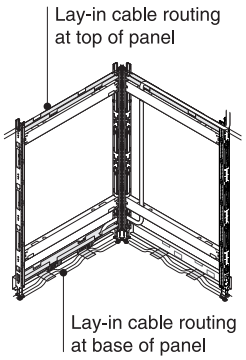


Skins extend onto junction and meet skin of adjacent panel. The slotted channel of the junction is accessible between these two skins.

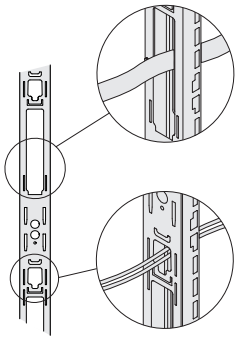


Panels can support worksurfaces, shelves, and bins.

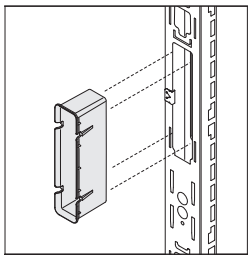
Wiring and Cabling



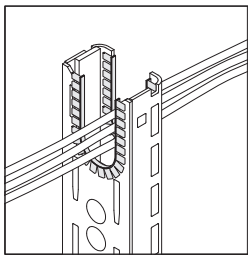
Lay-in cable routing is accommodated in the top of junctions. Lay-in cable and power routing is accommodated in base area.



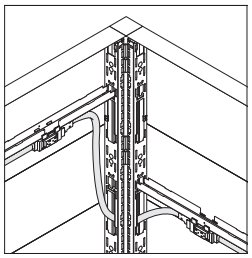
As an alternative to lay-in cable routing, horizontal routing of power and cables can be accommodated through openings in junctions.



Junction tall sleeves can be ordered to cover the exposed metal edges in the large cable routing opening of junctions. Tall junction sleeve can only be used on junctions manufactured on or after October 10, 2011.



Lay-in junction cable sleeves can be added in the field to cover the exposed metal edges in lay-in cable space.



Modular harnesses that are 43" or 80" are available to change the height at which you are routing power kits or to route power from the panel base to different heights.



Carpet gripper glide caps may be added to panel glides to help hold panel in place (used only on junctions manufactured on or after October 10, 2011).

Surface Materials

Base junction
- Black paint

  Tip: Junction is hidden when properly installed.

Junction cap—thin
- Paint
- Wood

Vertical trim—thin
- Paint
- Wood

Painted style numbers include all painted trim and wood style numbers include all wood trim. It is not recommended to mix painted and wood trim. Wood trim is slightly thicker as a result of adding veneer so some misalignment between elements may result.
Tip: Answer panel wood trims are only available with quarter-cut finishes with the exception of maple finishes. Maple on wood trims is only available with flat-cut finishes. For ordering simplicity, both flat-cut and quarter-cut finishes can be specified on panel trims. However, for all finishes except maple, if a flat-cut finish is selected, the trims will have the coordinating quarter-cut finish. For maple finishes, if quarter-cut is selected, the trims will have the coordinating flat-cut finish. Blending panel trims with other wood products that have flat-cut finishes will be visually acceptable for most applications. If a more exact match is desired for non-maple finishes, please specify quarter-cut finishes for the entire project. If a more exact match is desired for maple finishes, please specify flat-cut finishes for the entire project.

Application Topics

Stacking junctions can be used with any height base junction.

Stability Guidelines for application rules.
▶ See page 148

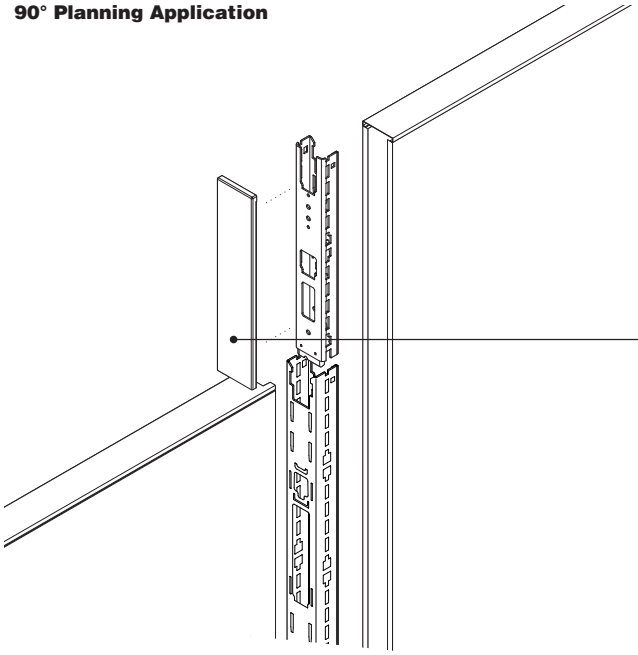
Change-of-Height—Thin Trim

Change-of-height trim is available for base panels and stacking panels. It is used in in-line and corner applications.
▶Specifying thin, page 357.
Note: Change-of-height trims are available in 6"H, 12"H, 18"H, 24"H, 30"H, and 36"H.

Change-of-height (two different panel heights) L, T, X, V, and Y junctions are supported by style numbers in the following pages. Change-of-height (three different panel heights) T, X, and Y and change-of-height (four different panel heights) X junctions are not supported by style numbers and will need to be specified in the build your own section.
▶See page 35 for understanding.
▶See page 386 for specifying.
Note: Change-of-height junctions include the necessary change-of-height trim (including junction cap and aligners) for the change-of-height portion. See the following pages for panel height change-of-height applications (two different panel heights) and what is included in each style number.

Change-of-height junctions are shipped assembled. L, V, and some T junctions are handed. A post may have to be moved during installation to achieve the proper "hand".

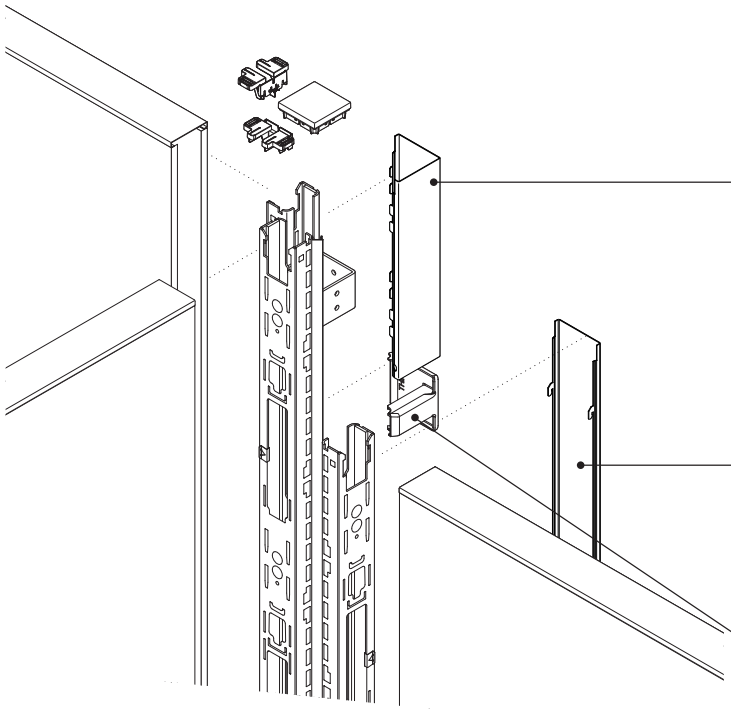
90° Planning Application



An end-of-run aligner is included with the end-of-run change-of-height trim to provide tight alignment between the top cap and the change-of-height trim. No junction cap is required.

End-of-run change-of-height trim is used at end-of-run or in-line change-of-height. The top of the trim aligns with the top cap on the panel.

90° Planning Application



L corner change-of-height trim is used in a T or X change-of-height application when there are two panels at the tallest height located adjacent to each other. No aligners are required to connect the L corner change-of-height trim to the junction cap.

T vertical trim is used to finish trimming out the base of the panel. Base panel trim is included when specifying the change-of-height junction.

An L to T aligner should be specified when an L corner change-of-height trim resides directly above a T trim in a change-of-height application. The L to T aligner creates a tight connection between the two trim pieces.

Actual Dimensions

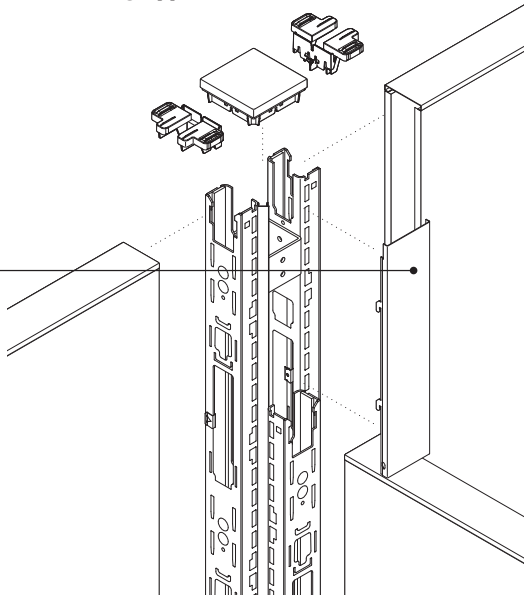
Depth	3"
Height	6 3/16", 12 5/32", 18 1/2", 24 1/2", 30 7/8", and 36 7/8"

An L to T aligner must be specified if an L change-of-height trim is located directly above a T.

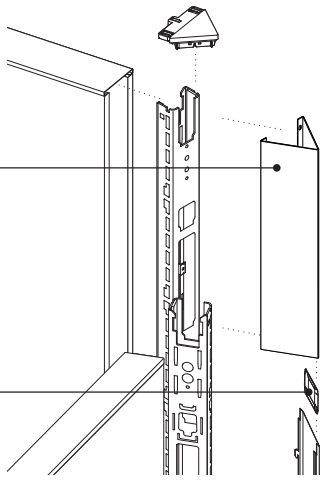
No aligners are required to connect a T corner change-of-height trim to the junction cap or top cap.

T corner change-of-height trim is used in T or X change-of-height applications where there are two panels at the same height located in-line with each other.

90° Planning Application

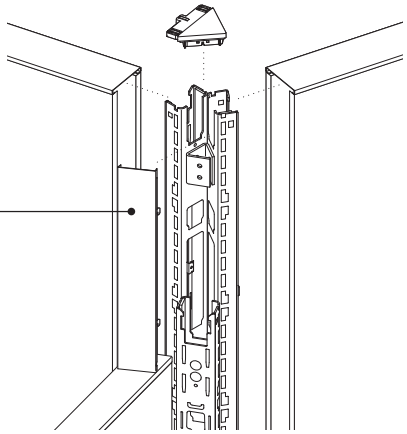


120° Planning Application



120° corner change-of-height trim is used in a V or Y change-of-height application when there is only one panel at the tallest height. No aligners are required to connect the trim to the junction cap or top cap.

120° to V aligner should be specified when a 120° corner change-of-height trim resides directly above a V trim. The 120° to V aligner creates a tight connection between the two trim pieces.



V corner change-of-height trim is used in a Y change-of-height application when there are two panels at the tallest height. No aligners are required to connect the trim to the junction cap or top cap.

Surface Materials

Change-of-height trim
- Paint
- Wood veneer

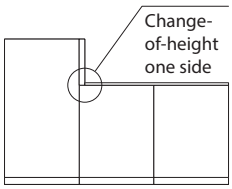
Junction cap
- Paint
- Wood veneer

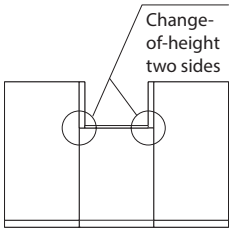
Aligner
- Black plastic only

Application Topics

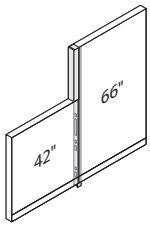
Change-of-height top cap option must be specified on the lower panel of in-line applications.
Tip: Change-of-height top cap option is only needed when using in-line change-of-height.

Thin trim top caps have a notch in one or both ends to accommodate in-line change-of-height applications.





Specify change-of-height top caps at one end unless the panel is adjacent to taller panels on both sides. Then specify a top cap change-of-height on both ends.



Specify an in-line change-of-height junction to connect panels. In this application the in-line change-of-height junction includes a 42" high in-line base junction with a 24" end-of-run stacker. A horizontal stacking beam is required when using an in-line change-of-height junction to support the stacker.

Change-of-Height Visual Overview—Thin Trim

Selecting a Junction

To determine the application you need, follow these steps:

1. Find the type of junction you are constructing – L, T, X, V, Y, or in-line. An array of the applications that are supported by style numbers are shown on the following pages. All same height corner junctions are supported by style numbers on pages 353-356. All change-of-height applications (with two different heights) are included on the following pages. If your application is not included (three heights in an T, X, or Y junction or four heights in an X junction) please see *Build Your Own—Thin Trim*, page 40, to build your desired application.

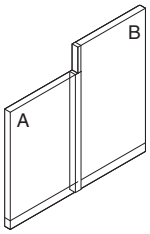
2. It may help if you make a sketch of the junction you are trying to build and then match it with the junction shown on the following pages.

3. Find the type of junction you are looking for in the following pages and see the corresponding specifying page.

Style numbers for junctions are based on the heights of the frames.

Digit in Style Number	Corresponding Frame Height
3	30"
Q	36"
4	42"
5	54"
6	66"
7	78"
8	48"
9	90"

In-Line



A	B	Style Number
30"	36"	**TS73QTCIJ**
30"	42"	**TS734TCIJ**
30"	48"	**TS738TCIJ**
30"	54"	**TS735TCIJ**
30"	66"	**TS736TCIJ**
36"	42"	**TS7Q4TCIJ**
36"	48"	**TS7Q8TCIJ**
36"	54"	**TS7Q5TCIJ**
36"	66"	**TS7Q6TCIJ**
42"	48"	**TS748TCIJ**
42"	54"	**TS745TCIJ**
42"	66"	**TS746TCIJ**
42"	78"	**TS747TCIJ**
48"	54"	**TS785TCIJ**
48"	66"	**TS786TCIJ**
54"	66"	**TS756TCIJ**
54"	78"	**TS757TCIJ**
54"	90"	**TS759TCIJ**
66"	78"	**TS767TCIJ**
66"	90"	**TS769TCIJ**
78"	90"	**TS779TCIJ**

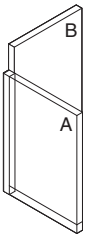
▶ Page 357 to specify

Junction includes

In-line base junction
End-of-run stacking junction
Stacking fork
End-of-run change-of-height trim
Aligner

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*

L Junction



A	B	Style Number
30"	36"	**TS73QTCLJ**
30"	42"	**TS734TCLJ**
30"	48"	**TS738TCLJ**
30"	54"	**TS735TCLJ**
30"	66"	**TS736TCLJ**
36"	42"	**TS7Q4TCLJ**
36"	48"	**TS7Q8TCLJ**
36"	54"	**TS7Q5TCLJ**
36"	66"	**TS7Q6TCLJ**
42"	48"	**TS748TCLJ**
42"	54"	**TS745TCLJ**
42"	66"	**TS746TCLJ**
42"	78"	**TS747TCLJ**
48"	54"	**TS785TCLJ**
48"	66"	**TS786TCLJ**
48"	78"	**TS787TCLJ**
54"	66"	**TS756TCLJ**
54"	78"	**TS757TCLJ**
66"	78"	**TS767TCLJ**

▶ Page 358 to specify

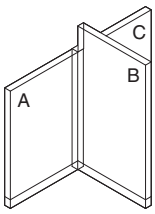
Junction includes

L change-of-height junction
Inside corner light seal
L vertical trim
End-of-run change-of-height trim
Change-of-height junction cap
Aligners

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*

Tip: When specifying remember this junction is handed and the other hand is not supported by style numbers. While in the field, installers may need to move a post to achieve the desired configuration.

T Junctions



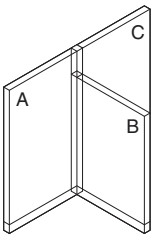
A	B	C	Style Number
30"	36"	30"	**TS73Q3TCTJ**
30"	42"	30"	**TS7343TCTJ**
30"	48"	30"	**TS7383TCTJ**
30"	54"	30"	**TS7353TCTJ**
30"	66"	30"	**TS7363TCTJ**
36"	42"	36"	**TS7Q4QTCTJ**
36"	48"	36"	**TS7Q8QTCTJ**
36"	54"	36"	**TS7Q5QTCTJ**
36"	66"	36"	**TS7Q6QTCTJ**
42"	48"	42"	**TS7484TCTJ**
42"	54"	42"	**TS7454TCTJ**
42"	66"	42"	**TS7464TCTJ**
42"	78"	42"	**TS7474TCTJ**
48"	54"	48"	**TS7858TCTJ**
48"	66"	48"	**TS7868TCTJ**
48"	78"	48"	**TS7878TCTJ**
54"	66"	54"	**TS7565TCTJ**
54"	78"	54"	**TS7575TCTJ**
66"	78"	66"	**TS7676TCTJ**

▶ Page 360 to specify

Junction includes

T change-of-height junction
Inside corner light seals
T vertical trim
End-of-run change-of-height trim
Change-of-height junction cap
Aligners

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*



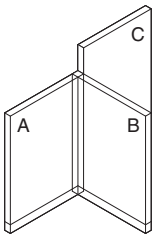
A	B	C	Style Number
36"	30"	36"	**TS7Q3QTCTJ**
42"	30"	42"	**TS7434TCTJ**
42"	36"	42"	**TS74Q4TCTJ**
48"	30"	48"	**TS7838TCTJ**
48"	36"	48"	**TS78Q8TCTJ**
48"	42"	48"	**TS7848TCTJ**
54"	30"	54"	**TS7535TCTJ**
66"	30"	66"	**TS7636TCTJ**
54"	36"	54"	**TS75Q5TCTJ**
54"	42"	54"	**TS7545TCTJ**
54"	48"	54"	**TS7585TCTJ**
66"	42"	66"	**TS7646TCTJ**
78"	42"	78"	**TS7747TCTJ**
66"	36"	66"	**TS76Q6TCTJ**
66"	48"	66"	**TS7686TCTJ**
78"	48"	78"	**TS7787TCTJ**
66"	54"	66"	**TS7656TCTJ**
78"	54"	78"	**TS7757TCTJ**
78"	66"	78"	**TS7767TCTJ**

▶ Page 360 to specify

Junction includes

T change-of-height junction
Inside corner light seals
T vertical trim
T change-of-height trim
90° junction cap
Aligner

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*



A	B	C	Style Number
30"	30"	36"	**TS733QTCTJ**
30"	30"	42"	**TS7334TCTJ**
30"	30"	48"	**TS7338TCTJ**
30"	30"	54"	**TS7335TCTJ**
30"	30"	66"	**TS7336TCTJ**
36"	36"	42"	**TS7QQ4TCTJ**
36"	36"	48"	**TS7QQ8TCTJ**
36"	36"	54"	**TS7QQ5TCTJ**
36"	36"	66"	**TS7QQ6TCTJ**
42"	42"	48"	**TS7448TCTJ**
42"	42"	54"	**TS7445TCTJ**
42"	42"	66"	**TS7446TCTJ**
42"	42"	78"	**TS7447TCTJ**
48"	48"	54"	**TS7885TCTJ**
48"	48"	66"	**TS7886TCTJ**
48"	48"	78"	**TS7887TCTJ**
54"	54"	66"	**TS7556TCTJ**
54"	54"	78"	**TS7557TCTJ**
66"	66"	78"	**TS7667TCTJ**

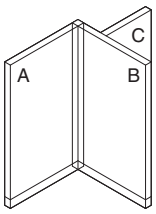
▶ Page 360 to specify

Junction includes

T change-of-height junction
Inside corner light seals
T vertical trim
End-of-run change-of-height trim
Change-of-height junction cap
Aligners

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*

Tip: When specifying remember this junction is handed and the other hand is not supported by style numbers. While in the field, installers may need to move a post to achieve the desired configuration.



A	B	C	Style Number
36"	36"	30"	**TS7QQ3TCTJ**
42"	42"	30"	**TS7443TCTJ**
48"	48"	30"	**TS7883TCTJ**
48"	48"	42"	**TS7884TCTJ**
54"	54"	30"	**TS7553TCTJ**
66"	66"	30"	**TS7663TCTJ**
42"	42"	36"	**TS744QTCTJ**
48"	48"	36"	**TS788QTCTJ**
54"	54"	36"	**TS755QTCTJ**
66"	66"	36"	**TS766QTCTJ**
54"	54"	42"	**TS7554TCTJ**
54"	54"	48"	**TS7558TCTJ**
66"	66"	42"	**TS7664TCTJ**
78"	78"	42"	**TS7774TCTJ**
66"	66"	48"	**TS7668TCTJ**
78"	78"	48"	**TS7778TCTJ**
66"	66"	54"	**TS7665TCTJ**
78"	78"	54"	**TS7775TCTJ**
78"	78"	66"	**TS7776TCTJ**

▶ Page 360 to specify

Junction includes

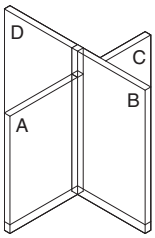
T change-of-height junction
Inside corner light seals
T vertical trim
L change-of-height trim
90° junction cap
Aligner

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*

Tip: When specifying remember this junction is handed and the other hand is not supported by style numbers. While in the field, installers may need to move a post to achieve the desired configuration.

Change-of-Height Visual Overview—Thin Trim, continued

X Junctions



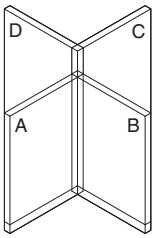
A	B	C	D	Style Number
30"	36"	30"	36"	**TS73Q3QTCXJ**
30"	42"	30"	42"	**TS73434TCXJ**
30"	48"	30"	48"	**TS73838TCXJ**
30"	54"	30"	54"	**TS73535TCXJ**
30"	66"	30"	66"	**TS73636TCXJ**
36"	42"	36"	42"	**TS7Q4Q4TCXJ**
36"	48"	36"	48"	**TS7Q8Q8TCXJ**
36"	54"	36"	54"	**TS7Q5Q5TCXJ**
36"	66"	36"	66"	**TS7Q6Q6TCXJ**
42"	48"	42"	48"	**TS74848TCXJ**
42"	54"	42"	54"	**TS74545TCXJ**
42"	66"	42"	66"	**TS74646TCXJ**
42"	78"	42"	78"	**TS74747TCXJ**
48"	54"	48"	54"	**TS78585TCXJ**
48"	66"	48"	66"	**TS78686TCXJ**
48"	78"	48"	78"	**TS78787TCXJ**
54"	66"	54"	66"	**TS75656TCXJ**
54"	78"	54"	78"	**TS75757TCXJ**
66"	78"	66"	78"	**TS76767TCXJ**

▶ Page 364 to specify

Junction includes

X change-of-height junction
Inside corner light seals
Two T change-of-height trims
90° junction cap
Aligner

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*



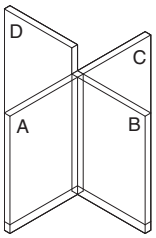
A	B	C	D	Style Number
30"	30"	36"	36"	**TS733QQTCXJ**
30"	30"	42"	42"	**TS73344TCXJ**
30"	30"	48"	48"	**TS73388TCXJ**
30"	30"	54"	54"	**TS73355TCXJ**
30"	30"	66"	66"	**TS73366TCXJ**
36"	36"	42"	42"	**TS7QQ44TCXJ**
36"	36"	48"	48"	**TS7QQ88TCXJ**
36"	36"	54"	54"	**TS7QQ55TCXJ**
36"	36"	66"	66"	**TS7QQ66TCXJ**
42"	42"	48"	48"	**TS74488TCXJ**
42"	42"	54"	54"	**TS74455TCXJ**
42"	42"	66"	66"	**TS74466TCXJ**
42"	42"	78"	78"	**TS74477TCXJ**
48"	48"	54"	54"	**TS78855TCXJ**
48"	48"	66"	66"	**TS78866TCXJ**
48"	48"	78"	78"	**TS78877TCXJ**
54"	54"	66"	66"	**TS75566TCXJ**
54"	54"	78"	78"	**TS75577TCXJ**
66"	66"	78"	78"	**TS76677TCXJ**

▶ Page 364 to specify

Junction includes

X change-of-height junction
Inside corner light seals
L change-of-height trim
90° junction cap
Aligner

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*



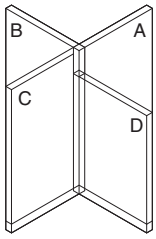
A	B	C	D	Style Number
30"	30"	30"	36"	**TS7333QTCXJ**
30"	30"	30"	42"	**TS73334TCXJ**
30"	30"	30"	48"	**TS73338TCXJ**
30"	30"	30"	54"	**TS73335TCXJ**
30"	30"	30"	66"	**TS73336TCXJ**
36"	36"	36"	42"	**TS7QQQ4TCXJ**
36"	36"	36"	48"	**TS7QQQ8TCXJ**
36"	36"	36"	54"	**TS7QQQ5TCXJ**
36"	36"	36"	66"	**TS7QQQ6TCXJ**
42"	42"	42"	48"	**TS74448TCXJ**
42"	42"	42"	54"	**TS74445TCXJ**
42"	42"	42"	66"	**TS74446TCXJ**
42"	42"	42"	78"	**TS74447TCXJ**
48"	48"	48"	54"	**TS78885TCXJ**
48"	48"	48"	66"	**TS78886TCXJ**
48"	48"	48"	78"	**TS78887TCXJ**
54"	54"	54"	66"	**TS75556TCXJ**
54"	54"	54"	78"	**TS75557TCXJ**
66"	66"	66"	78"	**TS76667TCXJ**

▶ Page 364 to specify

Junction includes

X change-of-height junction
Inside corner light seals
End-of-run change-of-height trim
Change-of-height junction cap
Aligners

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*



A	B	C	D	Style Number
36"	36"	36"	30"	**TS7QQQ3TCXJ**
42"	42"	42"	30"	**TS74443TCXJ**
48"	48"	48"	30"	**TS78883TCXJ**
54"	54"	54"	30"	**TS75553TCXJ**
42"	42"	42"	36"	**TS7444QTCXJ**
48"	48"	48"	36"	**TS7888QTCXJ**
54"	54"	54"	36"	**TS7555QTCXJ**
66"	66"	66"	36"	**TS7666QTCXJ**
54"	54"	54"	42"	**TS75554TCXJ**
48"	48"	48"	42"	**TS78884TCXJ**
66"	66"	66"	30"	**TS76663TCXJ**
66"	66"	66"	42"	**TS76664TCXJ**
66"	66"	66"	48"	**TS76668TCXJ**
54"	54"	54"	48"	**TS75558TCXJ**
66"	66"	66"	54"	**TS76665TCXJ**
78"	78"	78"	42"	**TS77774TCXJ**
78"	78"	78"	48"	**TS77778TCXJ**
78"	78"	78"	54"	**TS77775TCXJ**
78"	78"	78"	66"	**TS77776TCXJ**

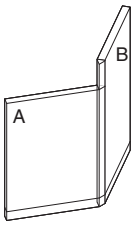
▶ Page 364 to specify

Junction includes

X change-of-height junction
Inside corner light seals
T change-of-height trim
90° junction cap
Aligners

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*

V Junctions



A	B	Style Number
30"	36"	**TS73QTCVJ**
30"	42"	**TS734TCVJ**
30"	48"	**TS738TCVJ**
30"	54"	**TS735TCVJ**
30"	66"	**TS736TCVJ**
36"	42"	**TS7Q4TCVJ**
36"	48"	**TS7Q8TCVJ**
36"	54"	**TS7Q5TCVJ**
36"	66"	**TS7Q6TCVJ**
42"	48"	**TS748TCVJ**
42"	54"	**TS745TCVJ**
42"	66"	**TS746TCVJ**
42"	78"	**TS747TCVJ**
48"	54"	**TS785TCVJ**
48"	66"	**TS786TCVJ**
48"	78"	**TS787TCVJ**
54"	66"	**TS756TCVJ**
54"	78"	**TS757TCVJ**
66"	78"	**TS767TCVJ**

▶Page 368 to specify

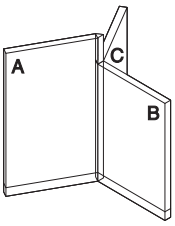
Junction includes

V change-of-height junction
V vertical trim
120° change-of-height trim
120° junction cap
Aligner

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*

Tip: When specifying remember this junction is handed and the other hand is not supported by style numbers. While in the field, installers may need to move a post to achieve the desired configuration.

Y Junctions



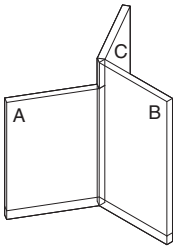
A	B	C	Style Number
36"	30"	30"	**TS7Q33TCYJ**
42"	30"	30"	**TS7433TCYJ**
48"	30"	30"	**TS7833TCYJ**
48"	42"	42"	**TS7844TCYJ**
54"	30"	30"	**TS7533TCYJ**
66"	30"	30"	**TS7633TCYJ**
42"	36"	36"	**TS74QQTCYJ**
48"	36"	36"	**TS78QQTCYJ**
54"	36"	36"	**TS75QQTCYJ**
66"	36"	36"	**TS76QQTCYJ**
54"	42"	42"	**TS7544TCYJ**
54"	48"	48"	**TS7588TCYJ**
66"	42"	42"	**TS7644TCYJ**
78"	42"	42"	**TS7744TCYJ**
66"	48"	48"	**TS7688TCYJ**
78"	48"	48"	**TS7788TCYJ**
66"	54"	54"	**TS7655TCYJ**
78"	54"	54"	**TS7755TCYJ**
78"	66"	66"	**TS7766TCYJ**

▶Page 370 to specify

Junction includes

Y change-of-height junction
120° change-of-height trim
120° junction cap

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*



A	B	C	Style Number
30"	36"	36"	**TS73QQTCYJ**
30"	42"	42"	**TS7344TCYJ**
30"	48"	48"	**TS7388TCYJ**
30"	54"	54"	**TS7355TCYJ**
30"	66"	66"	**TS7366TCYJ**
36"	42"	42"	**TS7Q44TCYJ**
36"	48"	48"	**TS7Q88TCYJ**
36"	54"	54"	**TS7Q55TCYJ**
36"	66"	66"	**TS7Q66TCYJ**
42"	48"	48"	**TS7488TCYJ**
42"	54"	54"	**TS7455TCYJ**
42"	66"	66"	**TS7466TCYJ**
42"	78"	78"	**TS7477TCYJ**
48"	54"	54"	**TS7855TCYJ**
48"	66"	66"	**TS7866TCYJ**
48"	78"	78"	**TS7877TCYJ**
54"	66"	66"	**TS7566TCYJ**
54"	78"	78"	**TS7577TCYJ**
66"	78"	78"	**TS7677TCYJ**

▶Page 370 to specify

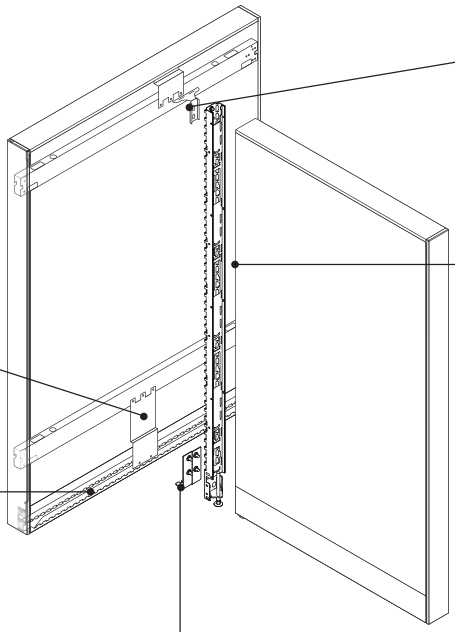
Junction includes

Y change-of-height junction
V change-of-height trim
120° junction cap
Aligner

*Tip: Style numbers for wood junctions require a **W** to be added to the end of the style number.*

Off-Module Panel Connector—Thin Trim

Off-module panel connectors allow a fin wall to be attached off-module to a spine wall in 1" increments.
▶ Specifying, page 374



Top brackets attach to top horizontal connecting beam and secure top of the wall-start junction. If fin wall is 12", 18", or 24" shorter than spine wall, the top horizontal connecting bar can be lowered to attach brackets.

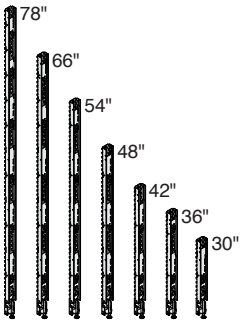
Wall-start junction must be ordered separately.

Bottom bracket attaches to lower horizontal connecting beam and secures to lower portion of bottom channel.

Bottom channel has slots in 1" increments to attach panel off-module. Channel must match width of panel and be attached between two junctions.

Bottom bracket for wall-start junction attaches the junction and bottom channel to secure the lower portion of the wall-start junction.

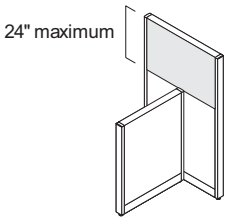
Product Details



Wall-start junctions connect to the off-module panel connectors to start a panel run off from the spine. Available in 30"H, 36"H, 42"H, 48"H, 54"H, 66"H, and 78"H. Wall-start junction must match the height of the fin wall. Wall-start junctions are ordered separately.

Connections

Off-module fin wall must always be the same height or shorter than the spine wall.

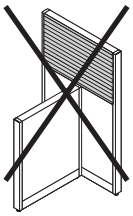


When fin wall is more than 24" shorter than the spine wall an additional horizontal beam must be added to the spine wall at the same height as the fin wall. Order a stacking horizontal frame kit.

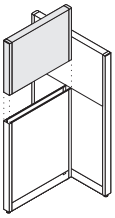
Spine wall skins must be segmented with a seam matching the height of the shorter fin wall. This allows access to the top bracket and the spine wall horizontal beam.

Actual Dimensions

Width 22 1/2", 34 1/2", 40 1/2", 46 1/2", 58 1/2", and 70 1/2"



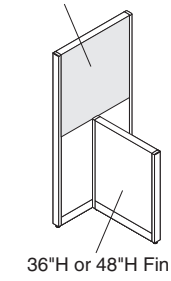
Slatwall skins cannot be placed on the spine panel when an off-module fin panel is positioned below it.



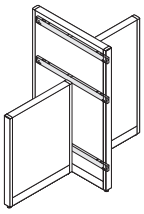
When stacking on the fin panel, the spine wall skins must be segmented with a seam matching the height of the fin base panel.

When stacking wall-start junctions in an off-module application, the off-module panel connector connects to the base wall-start junction.

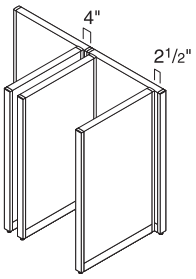
Two off-module panels can be connected back to back at the same location.



For off-module fin walls 36"H or 48"H, base junctions must match the height of fin wall base junctions. Taller spine wall heights can be achieved by stacking.

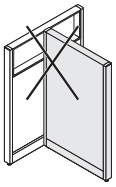


When connecting two off-module fins at different heights on either side of the spine panel, an additional horizontal beam must be ordered and installed at the same height of the shorter fin panel.

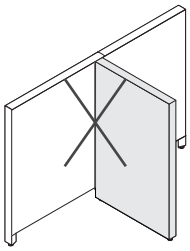


An off-module fin wall cannot connect flush to the end of a panel in the spine wall. The closest connection point will leave a 2 1/2" tail on the spine including the end-of-run trim.

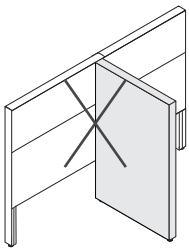
An off-module fin wall cannot attach at a junction in the spine wall. There is a 2" area of dead space on either side of the junction rendering a total of 4" dead space.



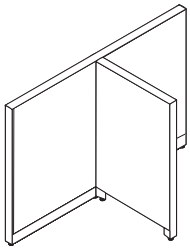
An off-module fin wall cannot be installed over a window that is located at the top of a spine panel.



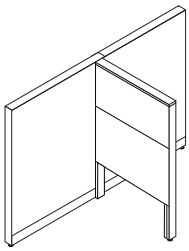
An off-module connector cannot be used on a spine wall with open base trim.



An off-module connector cannot be used on a spine wall with big open base.



A fin panel connected off-module can have open base trim.



A fin panel connected off-module can have big open base trim.

Wiring & Cabling

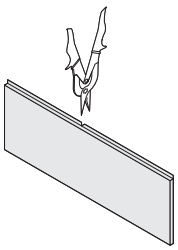
Wiring and cabling components cannot be routed internally from a spine wall to an off-module fin wall without cutting openings in the spine wall skin. *Tip: It is recommended that you route wiring and cabling through the spine wall.*

Internode power components should be used to bring power from the spine wall to the workstation.
▶See *Post and Beam Specification Guide.*

Surface Materials

Off-module bracket
- Black paint

Tip: Bracket is hidden when properly installed.



Off-module installation requires field modification of the light seal on the top skin. Surface covering is not affected.

Application Topics

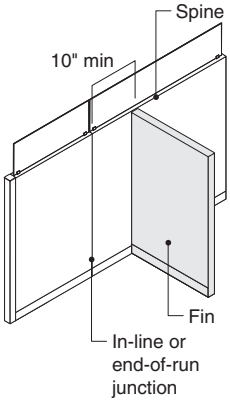
Stability Guidelines for Application Rules
▶Page 148

Stacking junctions can be used with any height base junction.

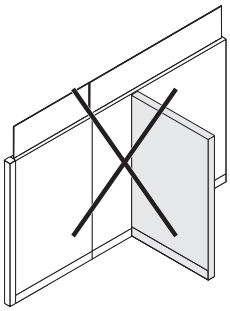
Bins, shelves, and worksurfaces cannot be attached off-module.

Off-module panel connector works with Thin trims. Thin style trims do not require a top cap filler.

When using a wall-start junction manufactured before October 10, 2011 with an off module panel connector manufactured on or after October 10, 2011 the "old" bottom bracket must be used. It can be ordered from Service Parts, part number TS500938MP. If using an old off-module panel connector manufactured before Octo-ber 10, 2011 with a wall-start junction manufactured on or after October 10, 2011 the bottom bracket included with the off module panel connector should be used.



When using frameless glass with clip attachment on a spine panel, with a same height off-module panel connection, the off-module cannot connect within 10" of an end-of-run or in-line junction connection.



Recessed frameless glass cannot be used on a spine panel hosting the same height off-module connection. The off-module fin panel can use recessed frameless glass, but must have the wallstart option specified.

Stacking Junctions—Thin Trim

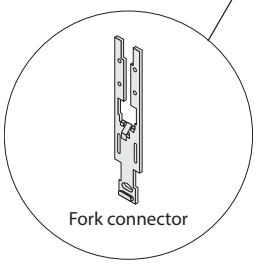
Stacking junctions allow you to adjust the panel heights within a workstation.
▶ Specifying thin, page 375

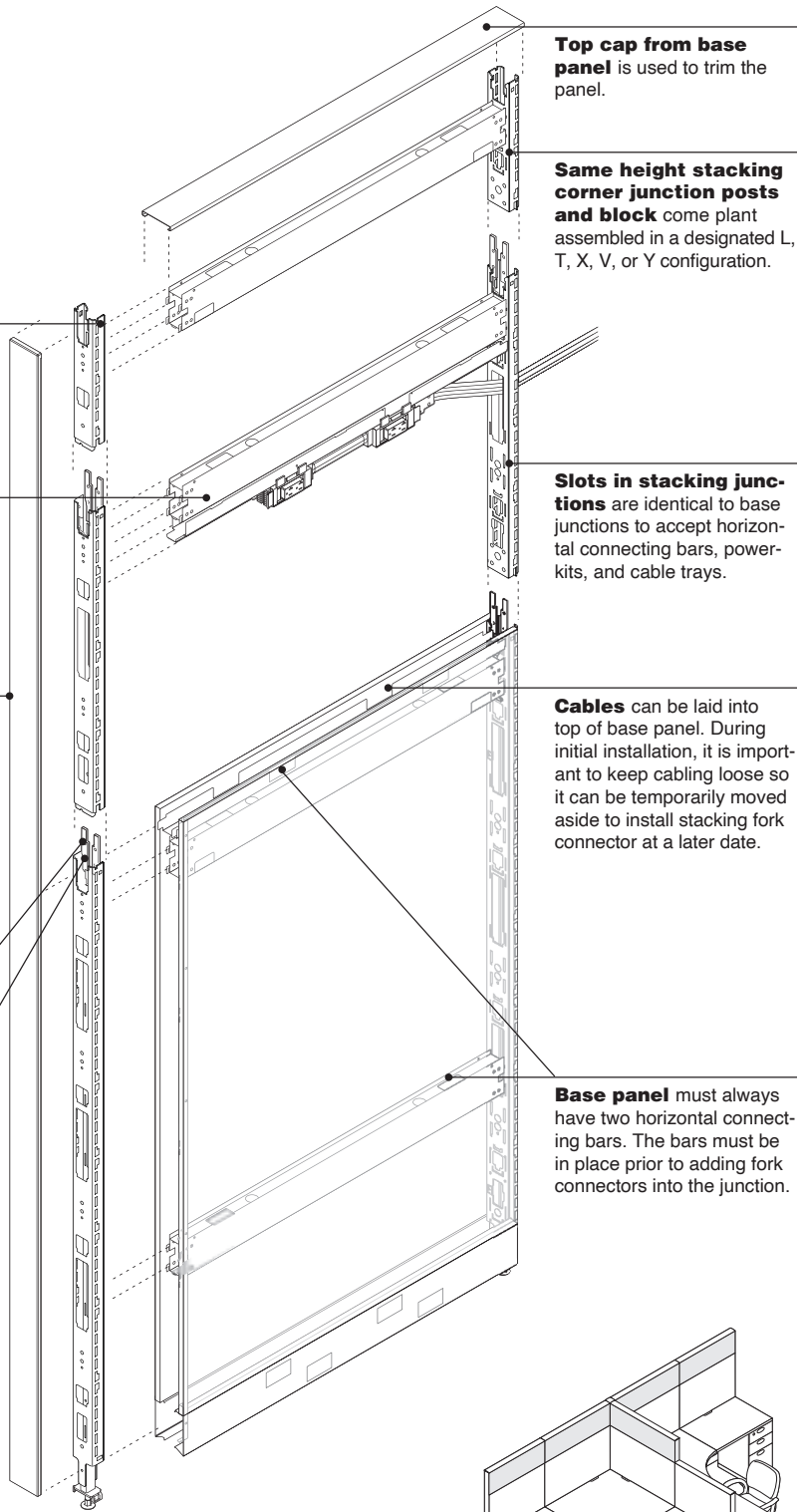
Stacking junctions are available for in-line, L, T, X, V, Y, end-of-run, and wall-start configurations.

Stacking horizontal frame package, specified separately, must be used with stacking junctions. Each package includes one horizontal connecting bar.

When stacking, omit base junction trim and specify full height (base height plus stacking height) vertical trim, inside corner light seal(s) (90° applications only), junction cap, and aligners separately.

Fork connectors are included with stacking junction for proper connection to the base panel.





Top cap from base panel is used to trim the panel.

Same height stacking corner junction posts and block come plant assembled in a designated L, T, X, V, or Y configuration.

Slots in stacking junctions are identical to base junctions to accept horizontal connecting bars, power-kits, and cable trays.

Cables can be laid into top of base panel. During initial installation, it is important to keep cabling loose so it can be temporarily moved aside to install stacking fork connector at a later date.

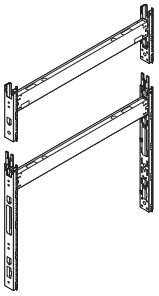
Base panel must always have two horizontal connecting bars. The bars must be in place prior to adding fork connectors into the junction.

Actual Dimensions

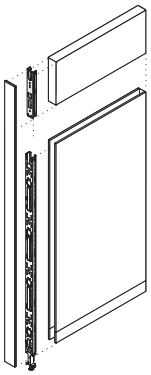
Depth	3"
Height	6 3/16", 12 3/8", 18 1/2", and 24 3/4"

Product Details

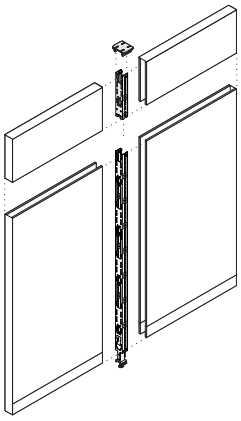
All existing base panels can accept a stacking junction.



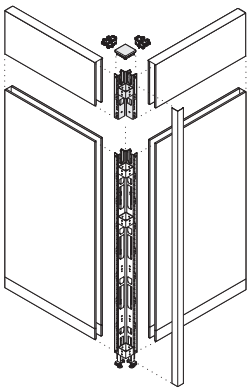
Stacking junctions do not include any trim. The omit trim option should be specified on base junctions when stacking. All vertical trim, junction caps, and aligners are specified separately when stacking on base junction.



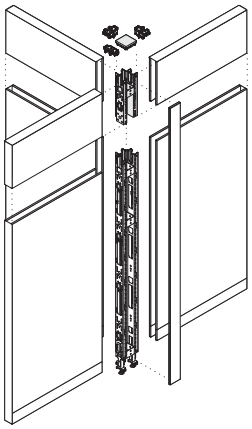
End-of-run stacking junction includes junction and fork connector. Full height trim must be specified separately. End-of-run trim adds 1/2" to footprint.



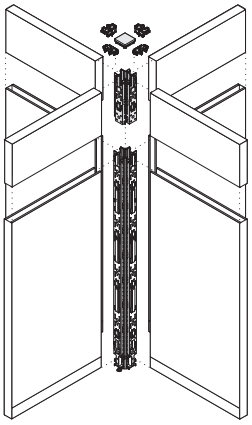
In-line stacking junction includes junction and fork connectors.



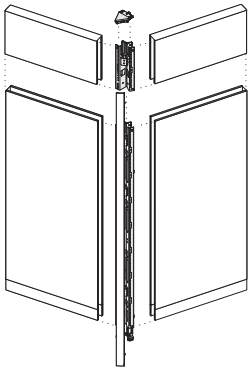
L-stacking junction includes junction and fork connectors. Full height trim, inside corner light seal(s), junction cap and aligner(s) must be specified separately.



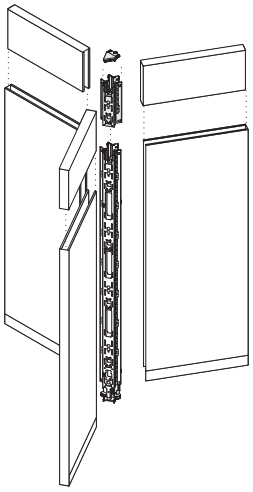
T-stacking junction includes junction and fork connectors. Full height trim, inside corner light seal(s), junction cap and aligner(s) must be specified separately.



X-stacking junction includes junction and fork connectors.



V-stacking junction includes junction and fork connectors. Full height trim, inside corner light seal(s), junction cap and aligner(s) must be specified separately.



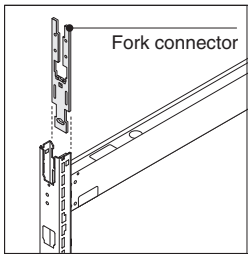
Y-stacking junction includes junction and fork connectors.

Full height vertical trim is available in the specifying section in 30", 36", 42", 48", 54", 60", 66", 72", 78", 84", and 90".
▶Specifying thin, page 380.

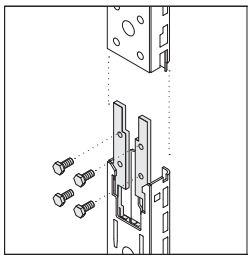
Standard skins, cable trays, and powerkits are used in stackable solutions. To maximize the benefits of stackability, consider matching the skin height to the stacking junction height.

Connections

Skins on base panel do not need to be removed to install a stacking junction in most cases.

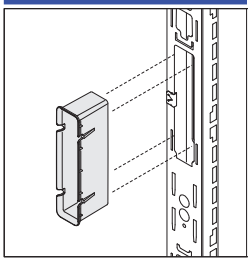


Fork connector is included with stacking junction for proper connection to the base panel. Two fork connectors are included with in-line, L, and V stacking junctions, three are included with T and Y stacking junctions, and four are included with X stacking junctions. One fork connector is included with each wall-start stacking junction and end-of-run.

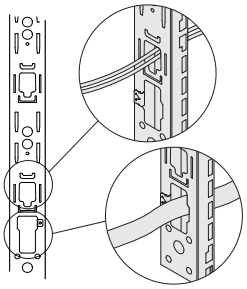


Fork connectors secure into the base junction. Stacking junction is bolted to fork connectors.

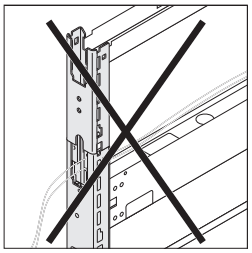
Wiring & Cabling



Junction tall sleeves can be ordered to cover the exposed metal edges in the large cable routing opening of the junctions manufactured on or after October 10, 2011.



Horizontal routing of power and cables can be accommodated through openings in stacking junctions.



Power and data cables cannot route through the joint, the top of base panel and bottom of 6"H stacker interfere.

Powerkit installation for stacking components is the same process as for installation in base panels.

Stacking Junctions—Thin Trim, continued

Surface Materials

Stacking junction
- Black paint

Tip: Junction is hidden when properly installed.

Application Topics

Stacking stability guidelines provide detailed information on applications.
▶ Page 148

Maximum height that can be stacked on a base panel is 36", consisting of one 24"H and one 12"H, or two 18"H stacking junction.

Maximum height that an Answer panel configuration can reach is 90".

Maximum number of stacking junctions that can be added to a base panel is two.

Any height base panel can be used with stacking junctions.

Bins and shelves can hang from the first stacked tier only.

Consolidation point kit cannot be used with stacking components.

When using 6"H stacking junctions, a stacking horizontal beam is not needed.

Hanging components are not allowed on the 6"H stacking junctions.

Frameless glass, transaction tops, Universal and Sarto top cap screens, and top cap mounted storage cannot be mounted on a 6"H stacking junction.

12"H slatwall skin cannot be placed on the top of the 6"H stacking junction.

6"H stacking junction can be placed only on base junction. It cannot be used on top of another stacking junction.

Glass windows cannot be placed in the top position of a panel segment that has a 6"H stacker.

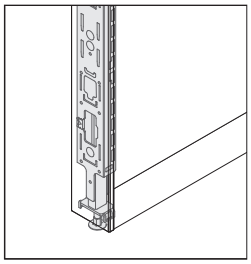
Build Your Own Elements—Thin Trim

Junction Posts



▶Specifying, page 386

Product Details



Junction posts are available in 30"H, 42"H, 48"H, 54"H, 66"H, and 78"H and can be ordered separately for use in building change-of-height junctions that are not supported by style numbers.

Junction posts do not come with trim. All trim must be specified separately.

Junction posts can be fastened to 90° corner or 120° corner junction blocks. Posts can be easily added or removed from the junction blocks to reconfigure the application.

Fasteners are included with the junction blocks. For additional fasteners order part number T521882MP (quantity 50).

Surface Materials

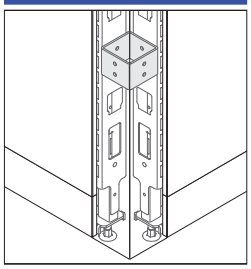
- Black paint only

Junction Blocks



▶Specifying, page 387

Product Details



90° corner and 120° corner junction blocks can be ordered separately for use in building change-of-height junctions that are not supported by style numbers.

90° corner and 120° corner junction blocks are available in packages of three, four, or five.

Four fasteners are included with each junction block.

Junction post can be easily added or removed from junction blocks to reconfigure the application.

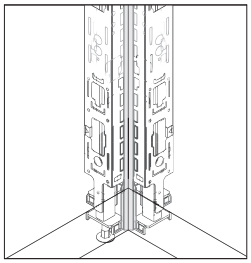
Surface Materials

- Black paint only

Inside Corner Light Seal

▶Specifying, page 387

Product Details



Inside corner light seals are available in 54"H, 66"H, and 78"H and need to be specified in 90° corner junction applications (they are not required in 120° corner applications).

Inside corner light seals are available in packages of four.

Inside corner light seals should be specified to the panel in a shorter 90° change-of-height corner.

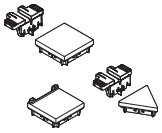
Inside corner light seals can be field cut to accommodate shorter post heights.

Surface Materials

- Black paint only

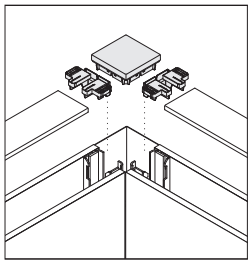
Build Your Own Elements—Thin Trim, continued

Junction Caps



▶ Specifying, page 388

Product Details



90° junction caps, 90° change-of-height junction caps, and 120° junction caps can be ordered separately for use in building change-of-height junctions that are not supported by style numbers.

Junction cap corner aligners (TS7CJCA10) must be ordered separately (package of 10).

90° junction caps can be used in L, T, or X applications and can be converted between applications by adding or removing a junction cap corner aligner.

120° junction caps can be used in V or Y applications and can be converted between applications by adding or removing a junction cap corner aligner.

90° change-of-height junction caps are used in some L, T, and X change-of-height junctions.

Surface Materials

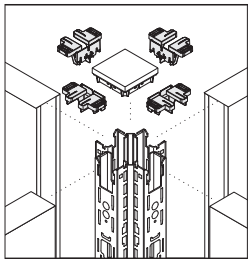
- Plastic
- Wood veneer

Junction Cap Aligner



▶ Specifying, page 388

Product Details



Junction cap aligners need to be ordered for all corner junctions that are not supported by style numbers.

Junction cap aligners are available in packages of 10.

Junction cap aligners need to be ordered for use with 90° change-of-height caps.

Surface Materials

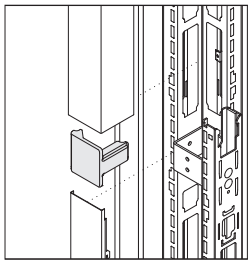
- Black plastic only

Vertical Trim Aligners



▶ Specifying, page 388

Product Details



L to T aligners and 120° to V aligners can be ordered separately for use in building change-of-height junctions that are not supported by style numbers.

Vertical trim aligners are available in packages of four.

L to T aligners are used in change-of-height applications to connect an L change-of-height trim to a T vertical trim.

120° to V aligners are used in change-of-height applications to connect a 120° change-of-height trim to a V vertical trim.

Surface Materials

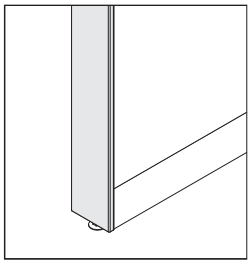
- Black plastic only

End-of-Run Vertical Trim—Thin Trim



▶Specifying, page 380

Product Details



Thin end-of-run vertical trim should be specified for the full height of the panel (base height plus stacking height, if stacking).

Thin end-of-run applications do not require a junction cap as the end-of-run trim connects with the panel top cap.

Vertical trim aligners to connect the end-of-run vertical trim to the top cap are included with the end-of-run vertical trim.

Thin end-of-run vertical trim can only be applied to end-of-run junctions manufactured on or after October 10, 2011.

Surface Materials

- Paint
- Wood

Tip: Composite veneers are not available on Answer trims.

Actual Dimensions

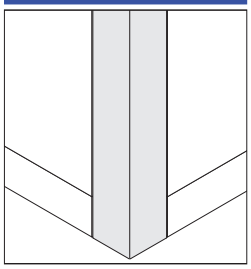
Height: $28^{15}/_{16}$", $34^{3}/_{4}$", $41^{1}/_{4}$", $47^{7}/_{16}$", $53^{5}/_{8}$", $59^{13}/_{16}$", 66", $72^{3}/_{16}$", $78^{3}/_{8}$", $84^{9}/_{16}$", and $90^{11}/_{16}$"

L Vertical Trim—Thin Trim



▶Specifying, page 381

Product Details



L vertical trim height should be determined by using the build your own change-of-height junctions or build your own stacking junction sections of this specification guide.

90° junction caps and junction cap aligners are not included with L vertical trim and must be ordered separately.

Surface Materials

- Paint
- Wood

Tip: Composite veneers are not available on Answer trims.

Actual Dimensions

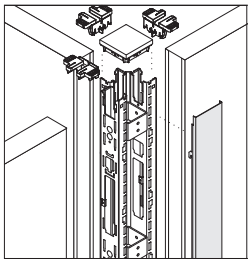
Height: $28^{15}/_{16}$", $34^{3}/_{4}$", $41^{1}/_{4}$", $47^{7}/_{16}$", $53^{5}/_{8}$", $59^{13}/_{16}$", 66", $72^{3}/_{16}$", $78^{3}/_{8}$", $84^{9}/_{16}$", and $90^{11}/_{16}$"

T Vertical Trim—Thin Trim



▶Specifying, page 381

Product Details



T vertical trim height should be determined by using the build your own change-of-height junctions or build your own stacking junction sections of this specification guide.

90° junction caps and junction cap aligners are not included with T vertical trim and must be ordered separately.

An L to T aligner needs to be specified in applications connecting a thin L change-of-height trim to a T vertical trim.
▶See page 388.

Surface Materials

- Paint
- Wood

Tip: Composite veneers are not available on Answer trims.

Actual Dimensions

Height: $28^{15}/_{16}$", $34^{3}/_{4}$", $41^{1}/_{4}$", $47^{7}/_{16}$", $53^{5}/_{8}$", $59^{13}/_{16}$", 66", $72^{3}/_{16}$", $78^{3}/_{8}$", $84^{9}/_{16}$", and $90^{11}/_{16}$"

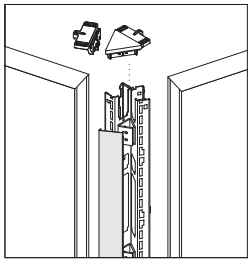
Build Your Own Elements—Thin Trim, continued

V Vertical Trim—Thin Trim



▶Specifying, page 382

Product Details



V vertical trim height should be determined by using the build your own change-of-height junctions or build your own stacking junction sections of this specification guide.

120° junction caps and junction cap aligners are not included with V vertical trim and must be ordered separately.

A 120° to V aligner needs to be specified separately in applications connecting a thin 120° change-of-height trim to a V vertical trim.
▶See page 388.

Surface Materials

- Paint
- Wood

Tip: Composite veneers are not available on Answer trims.

Actual Dimensions

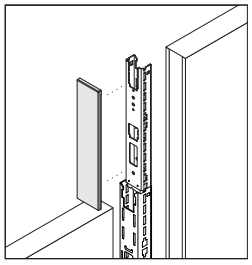
Height: 28 15/16", 34 3/4", 41 1/4", 47 7/16", 53 5/8", 59 13/16", 66", 72 3/16", 78 3/8", 84 9/16", and 90 11/16"

End-of-Run/In-Line Change-of-Height Trim—Thin Trim



▶Specifying, page 383

Product Details



End-of-run/in-line change-of-height should be determined by using the build your own change-of-height junctions or build your own stacking junction sections of this specification guide.

Vertical trim aligners to connect the change-of-height end-of-run/in-line vertical trim to the top cap are included with the end-of-run vertical trim.

Thin end-of-run/in-line change-of-height trim can only be applied to junctions manufactured on or after October 10, 2011.

Surface Materials

- Paint
- Wood

Tip: Composite veneers are not available on Answer trims.

Actual Dimensions

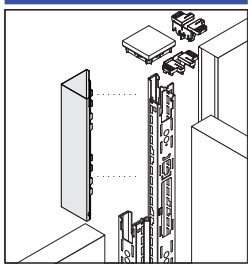
Height: 6 3/16", 12 5/16", 18 1/2", 24 11/16", 30 7/8", 35 3/32", and 37 1/16"

L Corner Change-of-Height—Thin Trim



▶Specifying, page 384

Product Details



L corner change-of-height trim height should be determined by using the build your own change-of-height junctions or build your own stacking junction sections of this specification guide.

An L to T aligner needs to be specified in applications connecting a thin L change-of-height trim to a T vertical trim.
▶See page 388.

Thin L change-of-height trim can only be applied to junctions manufactured on or after October 10, 2011.

Surface Materials

- Paint
- Wood

Tip: Composite veneers are not available on Answer trims.

Actual Dimensions

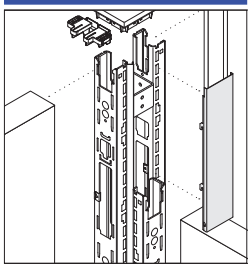
Height: 6 3/16", 12 5/16", 18 1/2", 24 11/16", 30 7/8", 35 3/32", and 37 1/16"

T Corner Change-of-Height—Thin Trim



▶Specifying, page 384

Product Details



T corner change-of-height trim height should be determined by using the build your own change-of-height junctions or build your own stacking junction sections of this specification guide.

An L to T aligner needs to be specified in applications connecting a thin L change-of-height trim to a T vertical trim.
▶See page 388.

Thin T change-of-height trim can only be applied to junctions manufactured on or after October 10, 2011.

Surface Materials

- Paint
- Wood

Tip: Composite veneers are not available on Answer trims.

Actual Dimensions

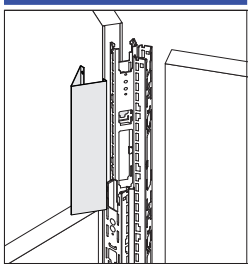
Height: 6 3/16", 12 5/16", 18 1/2", 24 11/16", 30 7/8", 35 3/32", and 37 1/16"

120° Corner Change-of-Height—Thin Trim



▶Specifying, page 385

Product Details



120° corner change-of-height trim height should be determined by using the build your own change-of-height junctions or build your own stacking junction sections of this specification guide.

A 120° to V aligner needs to be specified separately in applications connecting a thin 120° change-of-height trim to a V vertical trim.
▶See page 388.

Thin 120° change-of-height trim can only be applied to junctions manufactured on or after October 10, 2011.

Surface Materials

- Paint
- Wood

Tip: Composite veneers are not available on Answer trims.

Actual Dimensions

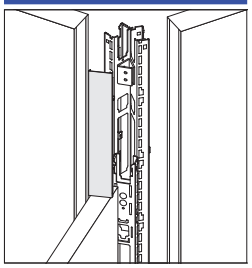
Height: 6 3/16", 12 5/16", 18 1/2", 24 11/16", 30 7/8", and 37 1/16"

V Corner Change-of-Height—Thin Trim



▶Specifying, page 385

Product Details



V corner change-of-height trim height should be determined by using the build your own change-of-height junctions or build your own stacking junction sections of this specification guide.

A 120° to V aligner needs to be specified separately in applications connecting a thin 120° change-of-height trim to a V vertical trim.
▶See page 388.

V corner change-of-height trim can only be applied to junctions manufactured on or after October 10, 2011.

Surface Materials

- Paint
- Wood

Tip: Composite veneers are not available on Answer trims.

Actual Dimensions

Height: 6 3/16", 12 5/16", 18 1/2", 24 11/16", 30 7/8", and 37 1/16"

Build Your Own Change-of-Height—Thin Trim

Usage Rules

Follow these for all three height T, X, or Y applications and for all four height X applications. The change-of-height overview pages illustrate and provide a style number for all other standard combinations.

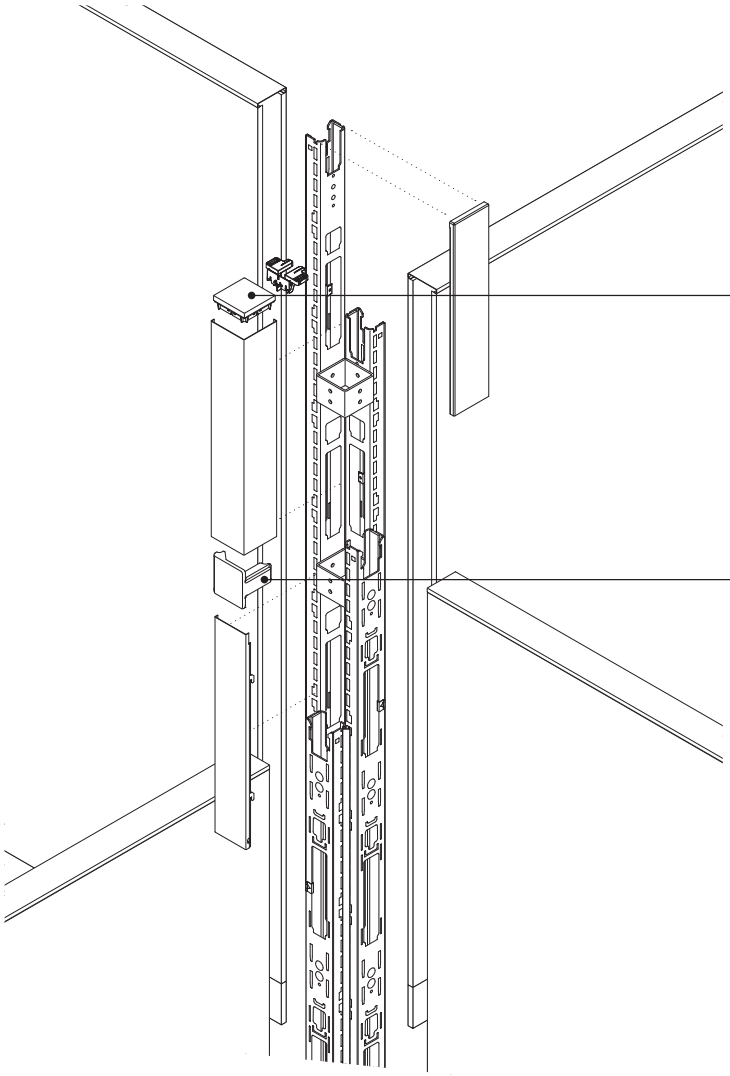
Example

Four change-of-height X application.

Post heights:
- 66"
- 54"
- 42"
- 30"

Trim:
- 12" change-of-height end-of-run
- Change-of-height corner junction cap
- 12" L change-of-height trim
- L to T aligner
- 12" T change-of-height trim
- Aligners

The specification guide supports specific style numbers for all L, T, X, V, and Y change-of-height applications with two heights (see page 358). If the change-of-height application has three or more heights, you must follow the directions on the following pages to properly specify your desired application.

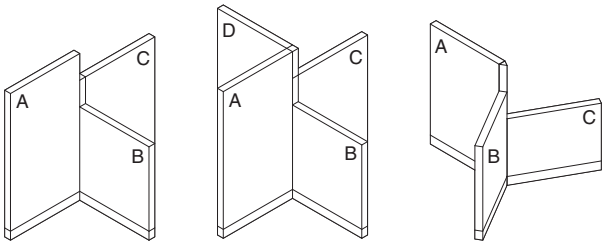


Junction caps are always located at the second tallest panel height. If there are two panels at the same tallest height, the junction cap will be located there.

L to T aligners or 120° to V aligners are required to be specified in certain change-of-height applications to provide consistent alignment of trim pieces.

How to Build Your Own Change-of-Height Applications

Step 1: Draw out the panel application you would like to build (T, X, or Y).



Step 2: Junction Posts
Determine the post heights for each leg of the corner junction corresponding to the panel heights.



Side A (e.g. 78")
Side B (e.g. 66")
Side C (e.g. 54")
Side D (e.g. 42") (For use in X configurations with four different heights only)

Step 3: Junction Blocks
From the list below, select the change-of-height application type that matches your drawing:
a). T or Y junction with three different panel heights (go to step 3a).
b). X junction with three different panel heights (go to step 3b).
c). X junction with four different panel heights (go to step 3c).

Step 3a: If the shortest panel is 48" high or lower, order three blocks.
▶See specifying page 387.

If the shortest panel is 54" high, order four blocks.
▶See specifying page 387.

Step 3b: If there are two panels at 78" high and the lowest panel is 54" high, order five blocks.
▶See specifying page 387.

If there is a panel less than or equal to 48" high and only ONE panel at the tallest height, order three blocks.
▶See specifying page 387.

For all other change-of-height configurations order four blocks.
▶See specifying page 387.

Step 3c: For all X junctions with four different panel heights use four blocks.
▶See specifying page 387.

Step 4: Inside Corner Light Seals

- You will need two inside corner light seals for a T corner and four inside corner light seals for an X corner (none are needed for a Y corner).
- Inside corner light seals are sold in packages of four.
- Packages come in three heights: 54", 66", and 78".
- Specify the height to correspond to the tallest junction and field cut as necessary.

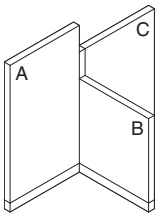
Inside corner light seal–54"H, package of four **TS754ICLS**
Inside corner light seal–66"H, package of four **TS766ICLS**
Inside corner light seal–78"H, package of four **TS778ICLS**

Step 5: Vertical Trim
Locate the application below that is the same as the application you originally illustrated.
Specify the trims listed in the option you selected below. You will be required to refer back to your original drawing several times to calculate the proper trim heights.

Build Your Own Change-of-Height—Thin Trim, continued

How to Build Your Own Change-of-Height Applications, continued

T Change-of-Height Application (3 heights)



Option 1

Step 2: Vertical Junction Posts

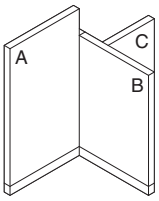
A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**

Step 3: Junction Blocks - see step 3a on page 41

Step 4: Light seals **TS7___ICLS**

Step 5: Trim

Thin end-of-run change-of-height = A - C	**TS7___TICHT(W)**
T change-of-height = C - B	**TS7___TCTCHT(W)**
T vertical = C	**TS7___TTVT(W)**
90° change-of-height corner cap	**TS790COHJC(W)**
Junction cap aligner	**TS7CJCA10** (10 pack)



Option 2

Step 2: Vertical Junction Posts

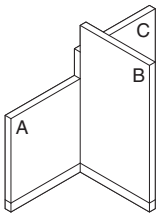
A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**

Step 3: Junction Blocks - see step 3a on page 41

Step 4: Light seals **TS7___ICLS**

Step 5: Trim

Thin end-of-run change-of-height = A - B	**TS7___TICHT(W)**
L change-of-height = B - C	**TS7___TCLCHT(W)**
T vertical = C	**TS7___TTVT(W)**
90° change-of-height corner cap	**TS790COHJC(W)**
L to T aligner	**TS7LTA4** (4 pack)
Junction cap aligner	**TS7CJCA10** (10 pack)



Option 3

Step 2: Vertical Junction Posts

A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**

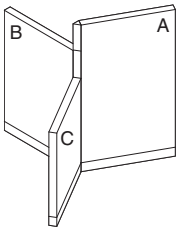
Step 3: Junction Blocks - see step 3a on page 41

Step 4: Light seals **TS7___ICLS**

Step 5: Trim

Thin end-of-run change-of-height = B - C	**TS7___TICHT(W)**
L change-of-height = C - A	**TS7___TCLCHT(W)**
T vertical = A	**TS7___TTVT(W)**
90° change-of-height corner cap	**TS790COHJC(W)**
L to T aligner	**TS7LTA4** (4 pack)
Junction cap aligner	**TS7CJCA10** (10 pack)

Y Change-of-Height Application (3 heights)



Option 1

Step 2: Vertical Junction Posts

A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**

Step 3: Junction Blocks - see step 3a on page 41

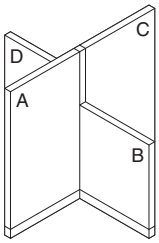
Step 4: Light seal None

Step 5: Trim

120° change-of-height = A - B	**TS7___T120CHT(W)**
V change-of-height = B - C	**TS7___TVCHT(W)**
120° corner cap	**TS7120JC(W)**
120° to V aligner	**TS7120VA4**

How to Build Your Own Change-of-Height Applications, continued

X Change-of-Height Application (3 heights)



Option 1

Step 2: Vertical Junction Posts

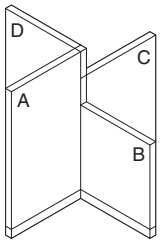
A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**
D	**TS7___JP**

Step 3: Junction Blocks
see step 3b on page 41

Step 4: Light seals **TS7___ICLS**

Step 5: Trim

T change-of-height = A - B	**TS7___TCTCHT(W)**
T change-of-height = A - D	**TS7___TCTCHT(W)**
90° junction cap	**TS790JC(W)**
Two junction cap aligners	**TS7CJCA10** (10 pack)



Option 2

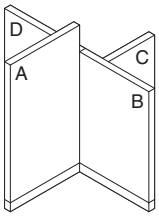
A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**
D	**TS7___JP**

Step 3: Junction Blocks
see step 3b on page 41

Step 4: Light seals **TS7___ICLS**

Step 5: Trim

L change-of-height = A - C	**TS7___TCLCHT(W)**
T change-of-height = C - B	**TS7___TCTCHT(W)**
90° junction cap	**TS790JC(W)**
Two junction cap aligners	**TS7CJCA10** (10 pack)
L to T aligner	**TS7LTA4** (4 pack)



Option 3

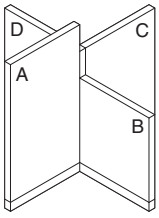
A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**
D	**TS7___JP**

Step 3: Junction Blocks
see step 3b on page 41

Step 4: Light seals **TS7___ICLS**

Step 5: Trim

End-of-run change-of-height = A - B	**TS7__TICHT(W)**
T change-of-height = B - C	**TS7___TCTCHT(W)**
90° change-of-height junction cap	**TS790COHJC(W)**
Two junction cap aligners	**TS7CJCA10** (10 pack)



Option 4

Step 2: Vertical Junction Posts

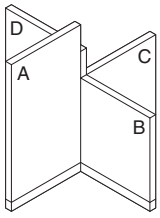
A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**
D	**TS7___JP**

Step 3: Junction Blocks
see step 3b on page 41

Step 4: Light seals **TS7___ICLS**

Step 5: Trim

End-of-run change-of-height = A - C	**TS7__TICHT(W)**
T change-of-height = C - B	**TS7___TCTCHT(W)**
90° change-of-height junction cap	**TS790COHJC(W)**
Two junction cap aligners	**TS7CJCA10** (10 pack)



Option 5

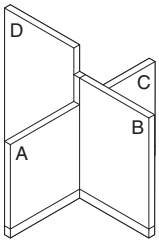
A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**
D	**TS7___JP**

Step 3: Junction Blocks
see step 3b on page 41

Step 4: Light seals **TS7___ICLS**

Step 5: Trim

End-of-run change-of-height = A - D	**TS7__TICHT(W)**
L change-of-height = D - C	**TS7___TCLCHT(W)**
90° change-of-height junction cap	**TS790COHJC(W)**
Junction cap aligner	**TS7CJCA10** (10 pack)



Option 6

A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**
D	**TS7___JP**

Step 3: Junction Blocks
see step 3b on page 41

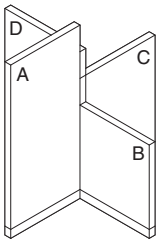
Step 4: Light seals **TS7___ICLS**

Step 5: Trim

End-of-run change-of-height = D - B	**TS7__TICHT(W)**
Two T change-of-height = B - A	**TS7___TCTCHT(W)**
90° change-of-height junction cap	**TS790COHJC(W)**
Junction cap aligner	**TS7CJCA10** (10 pack)

How to Build Your Own Change-of-Height Applications, continued

X Change-of-Height Application (4 heights)



Option 7

Step 2: Vertical Junction Posts

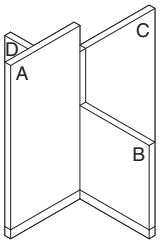
A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**
D	**TS7___JP**

Step 3: Junction Blocks
see step 3c on page 41

Step 4: Light seals **TS7___ICLS**

Step 5: Trim

End-of-run change-of-height = A - D	**TS7__TICHT(W)**
L change-of-height = D - C	**TS7__TCLCHT(W)**
T change-of-height = C - B	**TS7__TCTCHT(W)**
90° change-of-height junction cap	**TS790COHJC(W)**
Junction cap aligner	**TS7CJCA10** (10 pack)
L to T aligner	**TS7LTA4** (4 pack)



Option 8

Step 2: Vertical Junction Posts

A	**TS7___JP**
B	**TS7___JP**
C	**TS7___JP**
D	**TS7___JP**

Step 3: Junction Blocks
see step 3c on page 41

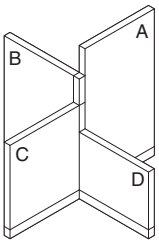
Step 4: Light seals **TS7___ICLS**

Step 5: Trim

End-of-run change-of-height = A - C	**TS7__TICHT(W)**
T change-of-height = C - B	**TS7__TCTCHT(W)**
T change-of-height = C - D	**TS7__TCTCHT(W)**
90° change-of-height junction cap	**TS790COHJC(W)**
Junction cap aligner	**TS7CJCA10** (10 pack)

Practice Examples—Thin Trim

Example One

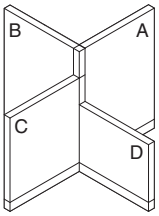


Step 1: Draw out the application - X - 4 Change-of-Height

		Quantity	Style Number
Step 2: Vertical Junction Posts			
A	66" H	1	**TS766JP**
B	54" H	1	**TS754JP**
C	42" H	1	**TS742JP**
D	30" H	1	**TS730JP**
Step 3 (a-c): Junction Blocks (3c)		1	**TS790JB4**
Step 4: Light seal		1	**TS766ICLS** (4 pack)
Step 5: Trim			
End-of-run change-of-height = A - B		1	**TS712TCICHT**
L change-of-height = B - C		1	**TS712TCLCHT**
T change-of-height = C - D		1	**TS712TCTCHT**
90° change-of-height junction cap		1	**TS790COHJC**
L to T aligner		1	**TS7LTA4** (4 pack)
Junction cap aligner		1	**TS7CJCA10** (10 pack)

Note: Junction cap resides at the second tallest panel height. In this case there is a panel higher so it is a 90° change-of-height junction cap instead of a 90° corner junction cap.

Example Two

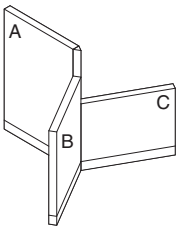


Step 1: Draw out the application - X - 3 Change-of-Height

		Quantity	Style Number
Step 2: Vertical Junction Posts			
A	54" H	1	**TS754JP**
B	54" H	1	**TS754JP**
C	42" H	1	**TS742JP**
D	30" H	1	**TS730JP**
Step 3 (a-c): Junction Blocks (3c)		1	**TS790JB4**
Step 4: Light seal		1	**TS766ICLS** (4 pack)
Step 5: Trim			
L change-of-height = A - C		1	**TS712TCLCHT**
T change-of-height = C - D		1	**TS712TCTCHT**
90° junction cap		1	**TS790JC**
L to T aligner		1	**TS7LTA4** (4 pack)
Junction cap aligner		2	**TS7CJCA10** (10 pack)

Note: Junction cap resides at the second tallest panel height. In this case there are two panels at the tallest height so a 90° junction cap would be specified instead of a 90° change-of-height junction cap as in the previous example.

Example Three



Step 1: Draw out the application - Y - 3 Change-of-Height

		Quantity	Style Number
Step 2: Vertical Junction Posts			
A	54" H	1	**TS754JP**
B	42" H	1	**TS742JP**
C	30" H	1	**TS730JP**
Step 3 (a-c): Junction Blocks (3b)		1	**TS7120JB3**
Step 4: Light seal		N.A.	N.A.
Step 5: Trim			
120° change-of-height = A - B		1	**TS712T120CHT(W)**
V change-of-height = B - C		1	**TS712TVCHT(W)**
120° corner junction cap		1	**TS7120JC(W)**
120° to V aligner		1	**TS7120A4** (4 pack)

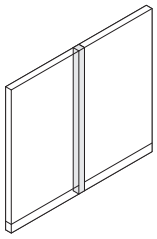
Build Your Own 3" In-Line Junction—Thin Trim

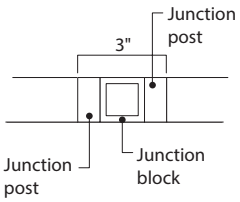
Usage Rules

If you need to add inches to your application while planning, order the following parts in the appropriate heights to create an "I" junction or a 3" in-line junction connection.

Tip: Junctions 48"H or shorter require two junction blocks. Junctions 54"H or higher require three junction blocks.

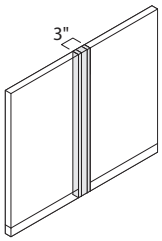
Normal In-Line Connection





TOP VIEW

3" In-Line Junction



How to Build Your Own 3" In-Line Junction

Step 1:		Panel Junction
	2	**TS7___JP**
Step 2:		Junction Blocks (pack of 3 - use 2 or 3 depending on height)
Step 3:		Junction Cap
	1	**TS790JC**
Step 4:		Junction Cap Aligner (pack of 10 - use 1)
	1	**TS7CJCA10**
Step 5:		T Vertical Trim
	2	**TS7___TTVT**

Practice Example

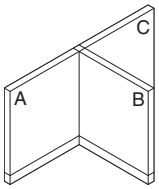
Quantity	Style Number
2	**TS754JP**
1	**TS790JB3**
1	**TS790JC**
1	**TS7CJCA10**
2	**TS754TTVT**

Build Your Own Stacking Junctions—Thin Trim

Stacking junctions have several implications on the actual frame components of the panel, as well as how the frame is trimmed.
Note: Same height stacking junctions are supported as style numbers, see page 375. This section should only be used when you need to stack and there is not a pre-configured stacking junction style number.

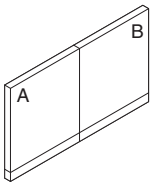
When stacking be sure to follow the steps listed below:

Step 1: Start by drawing out your base application ONLY (do not include stackers).



Corner

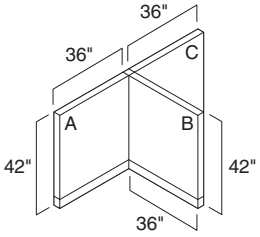
Example: 42"H T panel application label one panel A, one panel B, and one panel C.



In-Line

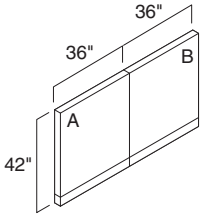
Example: 42"H in-line panel application label one panel A and one panel B.

Step 2: Label each panel with a letter and dimensions (remember to work counterclockwise).



Corner

Example: 42"H T panel application label one panel A, one panel B, and one panel C.

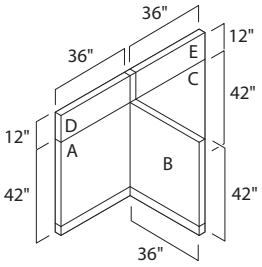


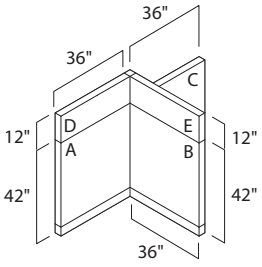
In-Line

Example: 42"H in-line panel application label one panel A and one panel B.

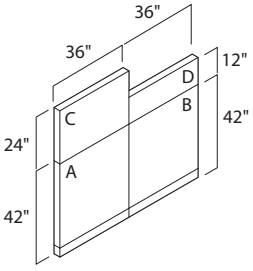
Step 3: Omit **ALL** trims (this will omit the junction cap and aligners as well).

Step 4: Determine where you would like stacking junctions on your application and label them with a letter and dimension.
Remember: Maximum height that an Answer panel can reach is 90". Maximum height that can be stacked on a base panel is 36" consisting of one 24"H and one 12"H or two 18"H stacking junctions.





Corner

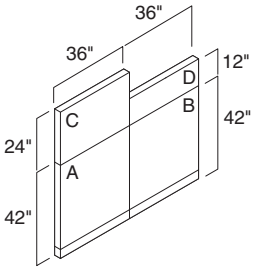


In-Line

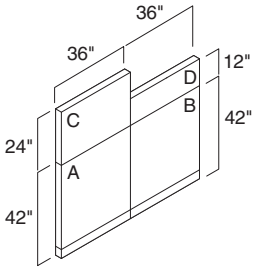
Steelcase
June 2022

Step 5: Look at your application in total. Does your application have an in-line or corner (L, T, X, V, or Y) stacking junction?

- For in-line stacking, go to step 6
- For corner (L, T, X, V, or Y) stacking go to step 7



Step 6: In-line stacking junctions



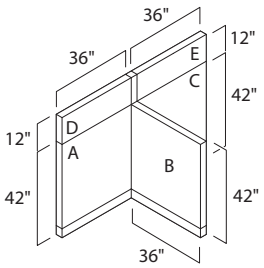
Step 6a: Specify in-line stacking junction for the shared junction. The height specified is the shortest height of the stacking junction. In this example it would be the height of stacking junction D (12").

Step 6b: Specify an end-of-run stacking junction for the difference between the tallest stacking junction and the lowest stacking junction. In this example it would be the height of stacking junction C minus the height of stacking junction D (24" - 12" = 12").

Step 6c: Go to step 7 to specify end-of-run stacking junctions for the stacking junctions that are not in-line. To complete specifying the stacking junctions in this example, one 24" end-of-run and one 12" end-of-run stacking junction would need to be specified.

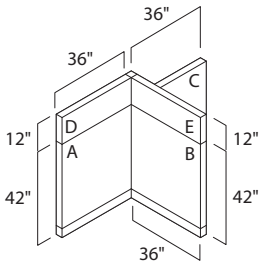
Step 7: Corner (L, T or X, V, or Y) stacking junctions

Look at each panel individually. Start with panel A and determine what you would like to stack to that panel (if anything). Repeat on the remaining panels in the application.



Base panel A: Add 12" thin end-of-run stacking junction (Panel D)
Base panel B: No change
Base panel C: Add 12" thin end-of-run stacking junction (Panel E)
Specify the proper height and type of stacking junction
1. End-of-run stacking junction
2. L, T, X, V, or Y stacking junction

Stacking junction panel D: 12" stacking junction requires two 12" end-of-run stacking junctions
Stacking junction panel E: 12" stacking junction requires two 12" end-of-run stacking junctions



Base panel A: Add 12" thin end-of-run stacking junction (Panel D)
Base panel B: Add 12" thin end-of-run stacking junction (Panel E)
Base panel C: No change

Stacking junction panel D: 12" stacking junction requires one 12" end-of-run stacking junction and a 12" "L" to be shared with panel E
Stacking junction panel E: 12" stacking junction requires one 12" end-of-run stacking junction

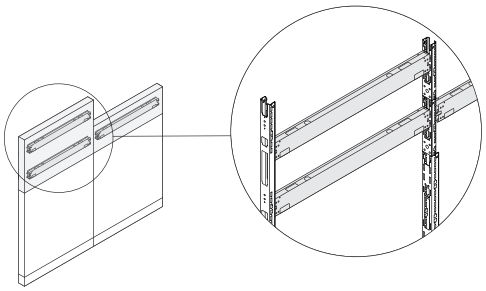
Note: 1. Corner stacking junctions are created by attaching thin end-of-run stacking junctions and junction blocks.
2. Thin end-of-run stacking junctions are also used when creating an in-line change-of-height condition.
3. In-line stacking junctions are only used when creating in-line stacking conditions when adjacent panels are the same height.

▶See page 376 to specify.

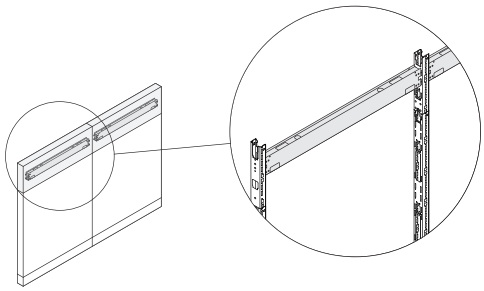
Build Your Own Stacking Junctions—Thin Trim, continued

Step 8: Stacking horizontal frame packages
Each stacking junction needs to be connected by at least one stacking horizontal frame package.

If one side of the panel section has two stacking junctions, and the other side has one, two stacking horizontal frame packages need to be specified.

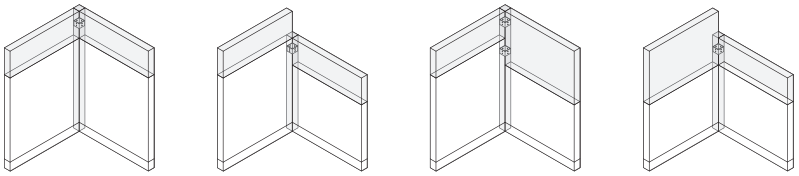


If there is one stacking junction on both sides of the panel, specify one stacking horizontal frame package to be shared between the two stacking junctions.



▶ See page 394 to specify.

Step 9: Junction blocks
Junction blocks are required at the top of each junction whenever there are two or more junctions or stacking junctions adjacent to each other in a corner application.



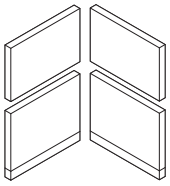
▶ See page 387 to specify.

Step 10: Junction caps and aligners
Now that the application is constructed, trims need to be added (since ALL trims were omitted in step 2).

90° Applications (In-Line, L, T, and X)

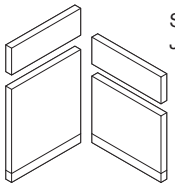
Same height base application stacking to same height application
Change-of-height base application stacking to a change-of-height application
Change-of-height base application stacking to same height application
Same height base application stacking to change-of-height application

Same height base application stacking to same height application (see drawing)



Specify: Junction cap: 90° corner
Junction cap aligner: Number required is equal to the number of panels connecting to the junction cap

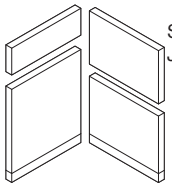
Change-of-height base application stacking to a change-of-height application (see drawing)



Specify: Junction cap: 90° corner change-of-height
Junction cap aligner: Number required is equal to the number of panels at the second tallest height

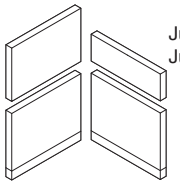
Step 10: Junction caps and aligners, continued

Change-of-height base application stacking to same height application (see drawing)



Specify: Junction cap: 90° corner
Junction cap aligner: Number required is equal to the number of panels connecting to the junction cap

Same height base application stacking to change-of-height application (see drawing)



Junction cap: 90° corner change-of-height
Junction cap aligner: Number required is equal to the number of panels at the second tallest height

120° applications (V or Y) - All 120° applications require:

Junction cap: 120° junction cap
Junction cap aligner: Number required is one less than the number of panels connecting to the junction cap

For complete list of style numbers:
Junction cap ▶See page 388.
Junction cap aligner ▶See page 388.

Step 11: Trim

90° Applications	**Required to Specify**
Level 1	
One panel at the tallest height	End-of-run/change-of-height trim = tallest height minus second height
Two panels at the tallest height in an "L" configuration	L trim = tallest height minus the third height (could be to the floor)
Two panels at the tallest height along the spine of a "T" configuration Look at both sides of the spine individually as two T trims (different heights) will need to be specified.	T trim = tallest height minus the third height (could be to the floor).
Three panels at the tallest height	T trim = tallest height minus the fourth height (could be the floor).
Level 2	
Two panels at the second height or higher in an "L" configuration	L trim - second height minus third height
Two panels at the second height along the spine of a "T" configuration	T trim = second height minus the third height (could be to the floor). Look at both sides of the spine individually as two T trims (different heights) will need to be specified.
Three panels at the second height or higher	T trim - second height minus third height
Level 3	
Three panels at third height	T trim - third height minus fourth height

120° Applications	**Required to Specify**
Level 1	
One panel at the tallest height	120° change-of-height trim = tallest height minus second height
Two panels at the tallest height in a "V" configuration	V trim = tallest height minus the third height (could be to the floor)
Level 2	
Two panels at the second height or higher in a "V" configuration	V trim = second height minus the third height (could be to the floor)

Step 12: Inside corner light seal

Specify Inside corner light seal to match the overall height of the lower panel in the application (used only on 90° applications).

Step 13: Change-of-height aligners

If you have both L and T aligners at one junction, an L/T aligner is needed.
If you have both 120° and V trims at one junction, a 120°/V aligner is needed.

Reconfiguring with Answer—General Guidelines

General Junction Guidelines

Junctions manufactured **before** 10/10/11 are purpose built and have specific features.
- Skin clip attachment locations every 12"
- Cannot accept 6" technology skin
- Cannot accept the open base trim
- Large opening for routing power and data is only at worksurface height
- Corner junctions are purpose built and cannot change configuration from one application to the next

Junctions manufactured **after** 10/10/11 are universal corner junctions.
- Skin clip attachment locations every 6"
- Can accept 6" technology skin
- Can accept the open base trim
- Large openings for routing power and data are located every 12" inside the panel
- Corner junctions are considered universal. The junction can easily be transformed from one configuration to another (i.e. turn an L- into a T-junction)

Purpose built and universal corner junctions can be used in the same application.

Junctions Manufactured Before and After 10/10/11

In-line junctions can be used with Oval, Square, or Thin panel trim. In-line junctions manufactured before OR after 10/10/11 can be used with Thin trim. The only differences between the junctions are those listed in the general guidelines above.

Corner Junctions
Same Height

- Same height are interchangeable between Oval, Square, or Thin panel trim.
- Same height corner junctions manufactured before OR after 10/10/11 can be used with Thin trim.

- **Universal junction configuration** (manufactured after 10/10/11)
  – Post and block configuration – all the posts are the same height.
  – Can be reconfigured to another style corner junctions.
  – Can accept Oval, Square, or Thin panel trims.

Examples:

❶ Change an L to a T
- Add one junction post
- Replace the L trim with a T trim
- Add a junction cap aligner
- Inventory L trim

❷ Change an L to an X
- Add one junction post
- Add two junction cap aligners
- Inventory L trim

❸ Change a T to an L
- Remove one junction post
- Remove one junction cap aligner
- Replace the T trim with an L trim

❹ Change an X to an L
- Remove two junction posts
- Remove two junction cap aligners
- Add an L trim

❺ Change an X to a T
- Remove one junction post
- Remove one junction cap aligner
- Add a T trim

Purpose Built Junction configuration (manufactured before 10/10/11)
- Cannot be reconfigured to be another style corner junction. If desire to change from an L- to a T-junction, the entire junction must be changed out.
- Can accept Oval, Square, or Thin panel trims.

Corner Junctions – Change-of-Height
Thin Trim

- Change-of-height corner junctions can only accept universal junctions manufactured after 10/10/11.
- Junction posts will **only go up to the height of the panels**

Example:

❶ 42/54" L-junction
- One junction post at 42"H
- One junction post at 54"H

- Cannot accept purpose built change-of-height junctions manufactured before 10/10/11.
- When reconfiguring from Square or Oval trim to Thin trim, purpose built corner junctions must be change to universal corner junctions.

Junctions Manufactured Before and After 10/10/11, continued

Corner Junctions – Change-of-Height, continued

Oval and Square Trim

- Can accept junctions manufactured before 10/10/11 (purpose built configuration).
- Can accept junctions manufactured after 10/10/11 (universal junction configuration).
- Junction posts will go up to the **highest** panel height

Example:

❶ 42/54" L-junction
- Two junction posts at 54"H

End-of-Run Junctions

Thin Trim

- Thin trim requires Thin end-of-run junctions
- When reconfiguring from Square or Oval trim to Thin trim, all end-of-run junctions must be changed to Thin end-of-run junctions

Square and Oval Trim

- The end-of-run junction utilized in a Square or Oval application is the same as the in-line junction.
- Square and Oval applications cannot use Thin end-of-run junctions.

Stacking Junctions

- Stacking junctions manufactured before 10/10/11 can be stacked on purpose built junctions (before 10/10/11) or universal junctions (after 10/10/11).
- Stacking junctions manufactured after 10/10/11 can be stacked on purpose built junctions (before 10/10/11) or universal junctions (after 10/10/11).

Trims

Trim style must be consistent across the entire application. Trim styles cannot be mixed and matched across applications.

Example:

❶ Square top caps cannot be used with Thin vertical trims. The entire application must be Thin trim (top caps and vertical trim) OR the entire application must be Square trim (top caps and vertical trim).

New Junctions (after 10/10/11) to New Junctions

End-of-Run Junctions

- **End-of-run junction** includes junction post plus an end-of-run trim and aligner.
  - – When reconfiguring a junction post can be used at an end-of-run or as a post to make up a 90° or 120° corner.
  - – End-of-run junctions are not the same as in-line junctions.

In-line Junctions

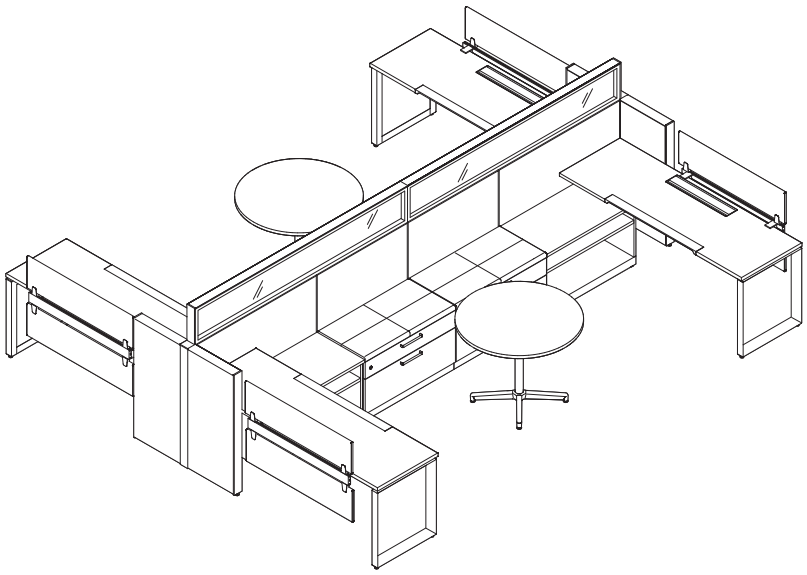
- **End-of-run junction** includes a junction and an in-line aligner.
  - – In-line junctions cannot be used at an end-of-run with Thin trim.
  - – In-line junctions can be used at an end-of-run with Square or Oval trim.
  - – In-line junctions **cannot** be used at a corner junction.

Corner Junctions

- Universal corner junctions are made up of blocks and posts.
- Universal corner junctions can be changed from one configuration (i.e. L) to another configuration (i.e. T, X, V, or Y) by adding blocks and/or junction posts.
- When reconfiguring corner junctions, additional corner trim and aligner pieces will need to be ordered.

Reconfiguring with Answer—General Guidelines, continued

New Junctions (after 10/10/11) to New Junctions, continued



Current Style Number (Square before 10/10/11)			New Style Number (Thin after 10/10/11)		
Qty	**Style Number**	**Description**	**Qty**	**Style Number**	**Description**
4	TS718SHF	Frame—Horizontal Package, Square, 18"W, change-of-height at one end of top cap	4	TS718THF	Frame—Horizontal Package, Thin, 18"W
2	TS736SHF	Frame—Horizontal Package, Square, 36"W (omit top cap)	2	TS736THF	Frame—Horizontal Package, Thin, 36"W
4	TS742SEPJ	Junction—End-of-Run, Square, 42"H	4	TS742TEPJ	Junction—End-of-Run, Thin, 42"H
2	TS742SIPJ	Junction—In-Line, Square, 42"H	2	TS742TIPJ	Junction—In-Line, Thin, 42"H
2	TS7454STPJ	Junction—T Junction	2	TS7454TCTJ	Junction -T, Change-of-Height, Thin, 42" to 54" to 42"
4	TS712SCHS	Change-of-Height Trim, Square	N.A.	N.A.	N.A.
2	TS748SHF	Frame—Horizontal Package, Square, 48"W	2	TS748THF	Frame—Horizontal Package, Thin, 48"W
1	TS754SIPJ	Junction—In-Line, Square, 54"H	1	TS754TIPJ	Junction—In-Line, Thin, 54"H
2	TS772STC	Spanning Top Cap—Square, 72"W	2	TS772TTC	Spanning Top Cap—Thin, 72"
The following style numbers can be re-used in this configuration:					
4	TS73618TKF	Panel Skin—Tackable Acoustical, 40" x 18", Floor			
4	TS73636TK	Panel Skin—Tackable Acoustical, 36" x 36"			
4	TS73648TK	Panel Skin—Tackable Acoustical, 36" x 48"			
2	TS71284SPW	Window—Single Pane			
2	TS7SWS	Spanning Window In-Line Support			
4	WS2472S	Worksurface—Straight			
4	UTTRMN	Tray—Universal Worksurface, Modular			
4	TS7WKSPT	Reinforcing Channel, 57"W			
4	DSR 40	SOTO Rail, 40"W			
8	CQSF4212	Screen—Personal/Modesty Fixed			
4	UFC24	Leg—Universal Closed			
4	RLF18361AP	Lateral—Universal, Proud Front Steel, 1.5-High Open/Open			
4	RLF18361BP	Lateral—Universal, Proud Front Steel, 1.5-High Dwr/Dwr			
4	RPDC1836P	Cushion			
2	BFR36	Table—Round			
2	BX26	Base—X			
2	USSBR	Bracket—side support			

	Need To Order			Extra (to inventory)		
	Qty	**Style Number**	**Description**	**Qty**	**Style Number**	**Description**
	4	T521710SR	Thin Trim Top Cap—18"W – Service Part	4	N.A.	Square Trim Top Cap—18"W, change-of-height one end
	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	4	TS742TEPJ	Junction—End-of-Run, Thin, 42"H (includes junction and trim)	4	TS742SEPJ	Junction—End-of-Run, Square, 42"H (includes junction and trim)
	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	2	TS7454TCTJ	Junction—T, Change-of-Height, Thin, 42" to 54" to 42"	2	TS7454STPJ	Junction—T, Junction
	N.A.	N.A.	N.A.	4	TS712SCHS	Change-of-Height Trim, Square
	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	2	TS784TTC	Spanning Top Cap—Thin, 84"	2	TS784STC	Spanning Top Cap—Square, 84"

Reconfiguring with Answer—General Guidelines, continued

SmartTools Specification Tips

- Before 10/10/11 Oval and Square junctions were manufactured with purpose build junctions. Starting 10/10/11 Oval and Square junctions began being manufactured with universal junctions. The style number stayed the same but the junction construction changed.
- SmartTools designates new and old junctions. Old junctions are designated with an asterisk (*).
- SmartTools provides the ability to change between new and old junctions, as well as connect them together where applicable.
- For assistance in reconfigurations, SmartTools allows designers to create "alternatives". Alternatives will allow designers to create an original application (alternative one) and make a copy of it (alternative two). The designer can then make design changes to alternative two to reflect what the reconfigured space will look like.
- Once design changes are made, the designer will be able to use SmartTools outputs to compare alternative one to alternative two to determine the following information:
  - Bucket one: What product from alternative one can be used in alternative two.
  - Bucket two: What product from alternative one will not be needed in alternative two.
  - Bucket three: What additional product will be needed in alternative two.
  - Since universal junctions can be broken down into individual components (blocks, posts, light seals, and trim), to re-use the maximum number of parts a designer can manually determine if a match can be made between the parts left in bucket two and the parts needed in bucket three.

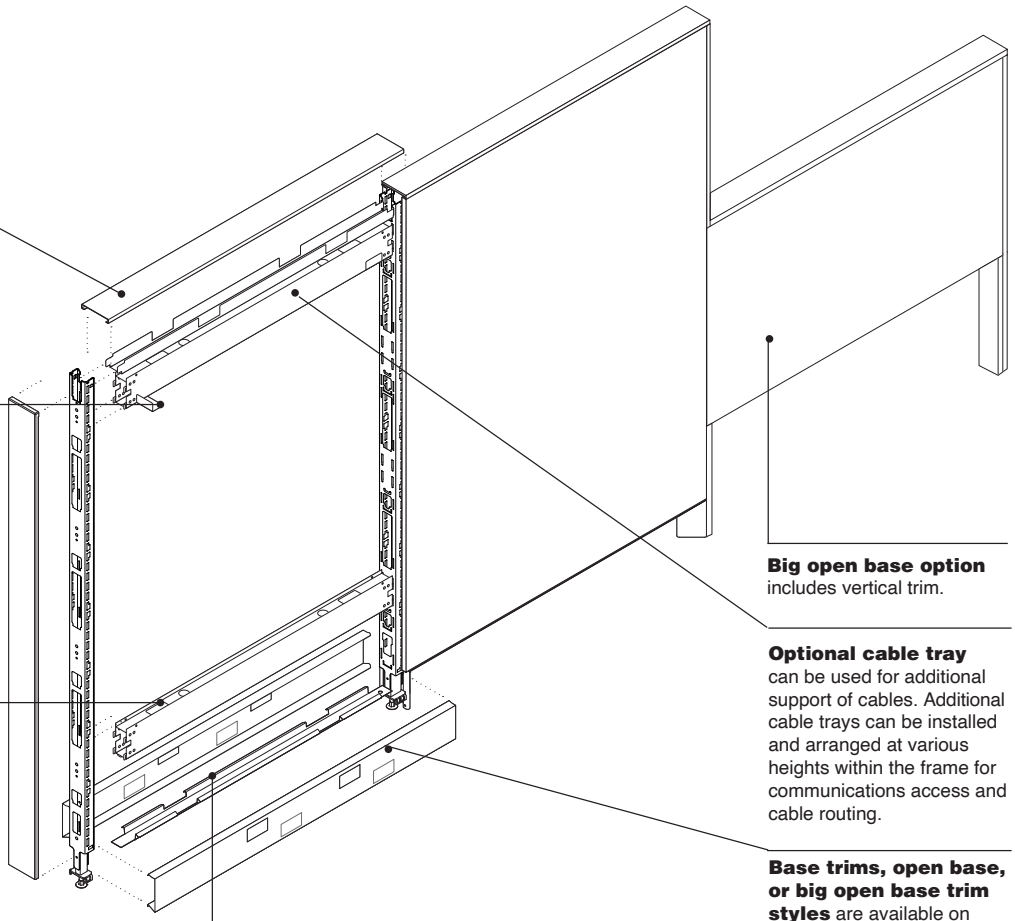
Base Horizontal Frame Packages—Thin Trim

Base horizontal frame packages include horizontal connecting bars that lock into vertical junctions and complete the structure of a panel. A top cap and pair of base trims are also included. Cable tray and base cable tray are available as options.
▶ Specifying, page 392

Top cap snaps onto top of panel skins. Top caps to accommodate change-of-height are also available. Wood veneer is available as an option.

Quick lock connects horizontal bars to vertical junctions for quick assembly.

Horizontal connecting bars lock into vertical junctions. The top bar can be lowered to a maximum of 24" from the top position. The bottom bar must always be positioned in the lowest slot in a junction.



Optional base cable tray can be used to support lay-in of cables.

Big open base option includes vertical trim.

Optional cable tray can be used for additional support of cables. Additional cable trays can be installed and arranged at various heights within the frame for communications access and cable routing.

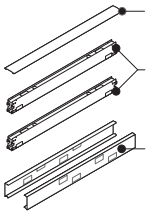
Base trims, open base, or big open base trim styles are available on panels with Thin trim style.

Base trim with knockouts accommodates power and communication terminations. Top knockout is for power, bottom knockout is for communication. Filler to close unused openings is available from Service Parts (TS7BTFSR).

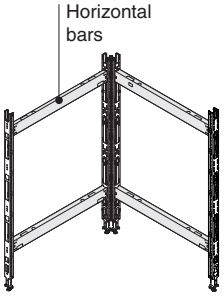
Actual Dimensions

Width	$17\frac{13}{16}$", $23\frac{13}{16}$", $29\frac{13}{16}$", $35\frac{13}{16}$", $41\frac{13}{16}$", $47\frac{13}{16}$", $59\frac{13}{16}$", and $71\frac{13}{16}$"
Base trim height	$3\frac{3}{4}$"
Big open base height	$9\frac{11}{16}$"
Receptacle Opening	
Width of opening	$2\frac{5}{8}$"
Height of opening	$1\frac{3}{8}$"

Product Details

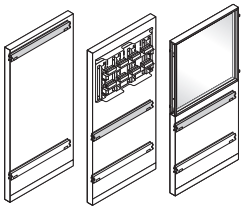


Horizontal frame packages are available when you want to build up your own panel. The package includes all the components of a panel except the skins so you can order the skins separately to mix combinations of skin surface materials and colors. These frame packages do not include vertical junctions. Options for big open base and open base are available. Cable trays and base cable trays are optional.

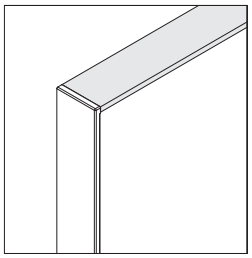


Two horizontal connecting bars must be used in each base panel.

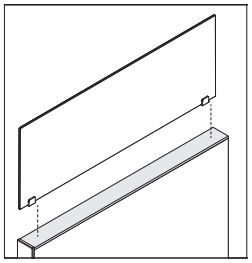
Horizontal bars determine panel width. They are not dedicated to a specific panel height; any horizontal bar can be used or reused with any junction height.



Top horizontal bar may be lowered to allow for a 12"H, 18"H, or 24"H glass window or consolidation point kit to be placed at the top of the panel. Bottom horizontal bar in base panel must remain in lowest position.



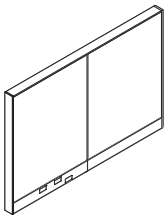
Top caps are available in three styles - thin, square, and oval. This section covers Thin trims. Horizontal frame packages should be specified with Thin trim. Thin, square, and oval top caps can not be mixed between adjacent panels. *Tip: Change-of-height top cap option is only needed when using in-line change-of-height.*



Omit top cap option is available and should be selected when adding a frameless glass screen to the top of the panel, when spanning a single top cap across multiple panels, or when adding a Universal or Sarto screen to the top of the panel.

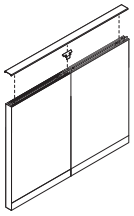
Spanning top caps are available for Thin trims.

When spanning a single top cap across multiple panels, select the omit top cap option and specify a spanning top cap separately. Top cap width must match total width of spanned panels.



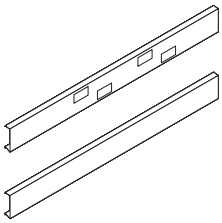
Spanning top caps can only be used in an in-line condition. They cannot span over a corner junction.

Spanning top caps can be used on any panel height.

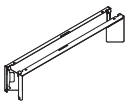


In-line spanning top cap lightseals should be specified separately for each in-line panel joint the top cap spans.

Omit base trim option should be selected when using skins to the floor.

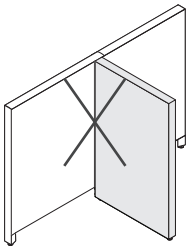


Base trims are available with or without knockouts. Base trims with knockouts accommodate power and communication terminations.

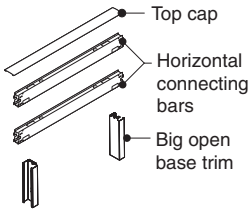


Open base trims are available. They do not accommodate power and data routing or entry in the base. Open base trim can only be added on a junction manufactured on or after October 10, 2011.

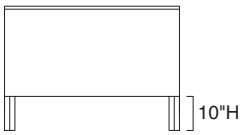
Open base trims occupy the same space as the standard base trims. Open base trims occupy the bottom 3¾" of the panel; the height of the opening is 2½".



A panel with open base trim cannot serve as the spine panel in an off-module connection.



Big open base option is available on Thin trim panel. The horizontal frame package includes two inside vertical trims in addition to two horizontal connecting bars and a Thin trim top cap.

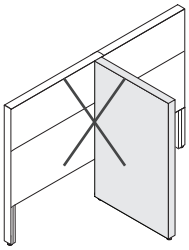


Big open base option provides a larger open base aesthetic for the panel. The opening is about 10"H.

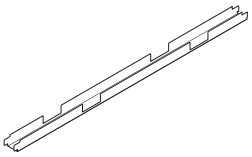
When the big open base option is specified, big open base skins must be used.

When big open base is used, power is available only at 20"H or higher.

Big open base trim package is available for reconfiguring a panel segment to the big open base. The big open base trim package includes two inside vertical trims. The big open base reconfiguration package is **TSBBOBTRM**.

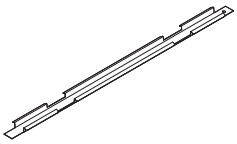


An off-module connector cannot be used on a spine wall with big open base.



Cable tray can be positioned every 6" vertically above the base to support cable routing.

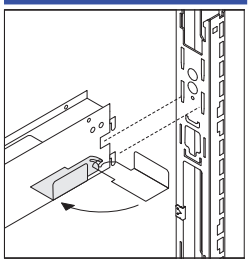
Cable tray can accept added cable carriers attached below tray to expand horizontal cable management options.
▶ See *Montage Specification Guide* for cable carrier (**ZCC**).



Base cable tray is used only in the base to support lay-in cable routing in the base. Base cable tray cannot be used if omit base trim option is selected for one or both sides of panel or if open base trim is used.

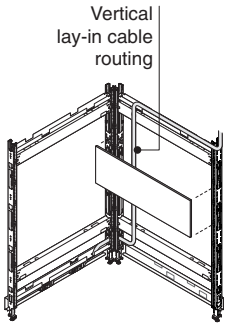
Base Horizontal Frame Packages—Thin Trim, continued

Connections

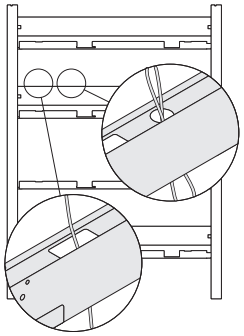


Quick lock on both ends of the panel's horizontal connecting bars engage the junction in a tight structural connection.

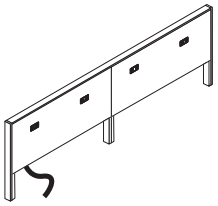
Wiring & Cabling



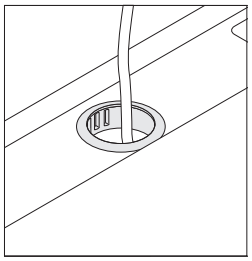
Vertical lay-in cable routing can be accommodated behind skins.



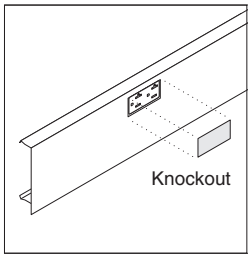
As an alternative to lay-in cable routing, vertical routing of power and cables through panel interior can be accommodated by openings in horizontal connecting bars. Also, see lay-in utility packages for vertical lay-in of power and cables.
▶ Page 176



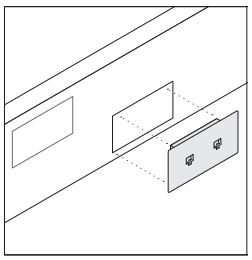
Power and data enter a panel with big open base from underneath the panel. Route power and data up through large vertical routing openings in the horizontal bar. Use a multipurpose infeed to bring power into a panel with big open base.



Feed-through horizontal connecting bar cable sleeves can be added in the field to finish the exposed metal edges of vertical cable pass-through openings.



Knockouts in base trim can be removed in the field where needed. Knockout dimensions are 1⅜"H by 2⅝"W.



Communication outlets attach to openings in panel base trim. Order communication outlets from an outside vendor. Knockouts for communication in base accommodate modular furniture size only.

Surface Materials

Top cap base trim, open base trim, and big open base vertical trim

- Paint color chosen on base trim will also apply to the top cap. They are not chosen independently.
- Wood veneer (option)

Tip: Answer panel wood trims are only available with quarter-cut finishes with the exception of maple finishes. Maple on wood trims is only available with flat-cut finishes. For ordering simplicity, both flat-cut and quarter-cut finishes can be specified on panel trims. However, for all finishes except maple, if a flat-cut finish is selected, the trims will have the coordinating quarter-cut finish. For maple finishes, if quarter-cut is selected, the trims will have the coordinating flat-cut finish. Blending panel trims with other wood products that have flat-cut finishes will be visually acceptable for most applications. If a more exact match is desired for non-maple finishes, please specify quarter-cut finishes for the entire project. If a more exact match is desired for maple finishes, please specify flat-cut finishes for the entire project.

Horizontal connecting bars

- Black paint

Tip: Components are hidden when properly installed.

Application Topics

Use a cable tray to provide extra support for 60"W and 72"W full skins where people may lean against the panel.

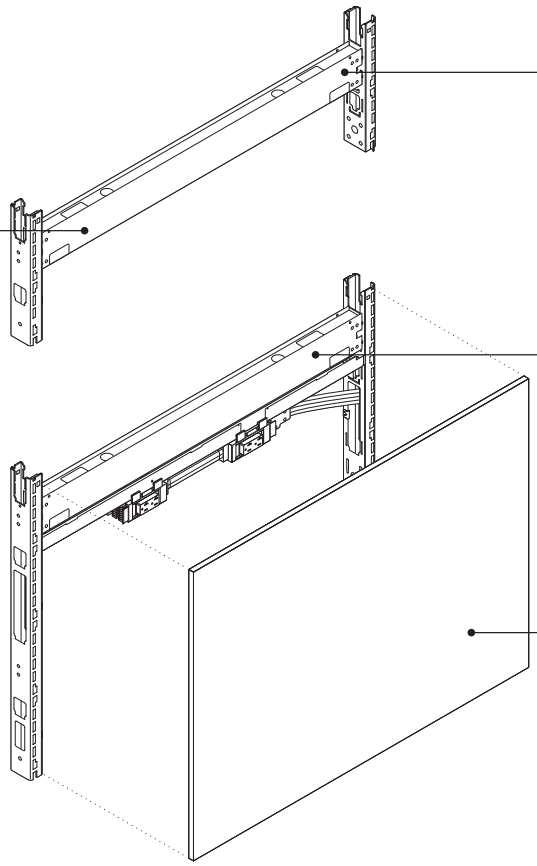
Base Horizontal
Frame Packages—
Thin Trim

Stacking Horizontal Frame Packages

Stacking horizontal frame package provides structural stability for stacking junctions.
▶ Specifying thin, page 394

Each stacking junction is specified separately.
▶ Page 375

When stacking, vertical trim must be specified separately to span the full-height of the base junctions plus the stacking junction.



Each stacking segment must have one horizontal connecting bar.
Exception: If a window is used with stacking junctions, a horizontal connecting bar is not needed.

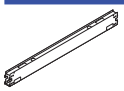
Horizontal connecting bar is included with each stacking horizontal frame package.

Skins, ordered separately, are added to both sides of stacking frame.

Actual Dimensions

Width 17¼", 23¼", 29¼", 35¼", 41¼", 47¼", 59¼", and 71¼"

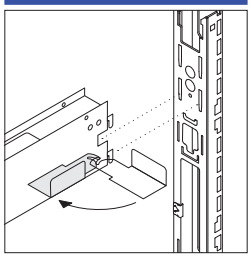
Product Details



Stacking horizontal frame package includes one horizontal connecting bar. Stacking junction is not included.

Stacking horizontal frame package is available in eight widths— 18", 24", 30", 36", 42", 48", 60", and 72"—to match panel width. These horizontal connecting bars are identical to those in horizontal frame packages and can be re-used with any type of junction.

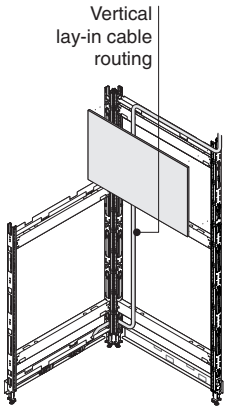
Connections



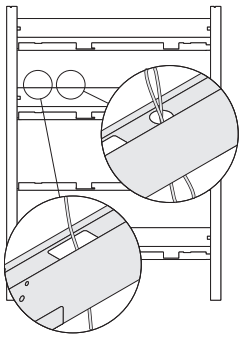
Quick-lock mechanism on the horizontal connecting bar engages the stacking junction in a tight structural connection.

Base panel must always have two horizontal connecting bars.

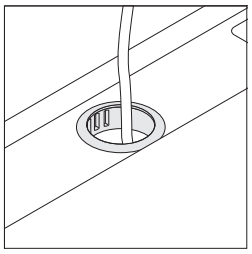
Wiring & Cabling



Vertical lay-in cable routing can be accommodated behind skins.



Vertical routing of power and cables through panel interior is accommodated by openings in horizontal connecting bars.



Feed-through horizontal connecting bar cable sleeves can be added in the field to finish the exposed metal edges of vertical cable pass-through openings.

Power kit installation for stacking components is the same process as for installation in base panels.

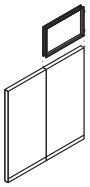
Surface Materials

Stacking horizontal frame package

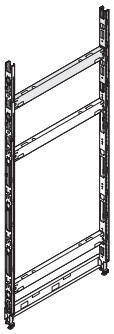
- Black

Tip: Components are hidden when properly installed.

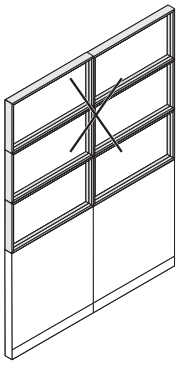
Application Topics



When stacking a 12"H, 18"H, or 24"H window, a stacking horizontal frame package is not needed. Remember, the base panel always has two horizontal connecting bars for support.



When double stacking junctions, each stacking junction must have a horizontal beam.



No more than two windows can be stacked on top of each other.

Consolidation point kit cannot be used with stacking components.

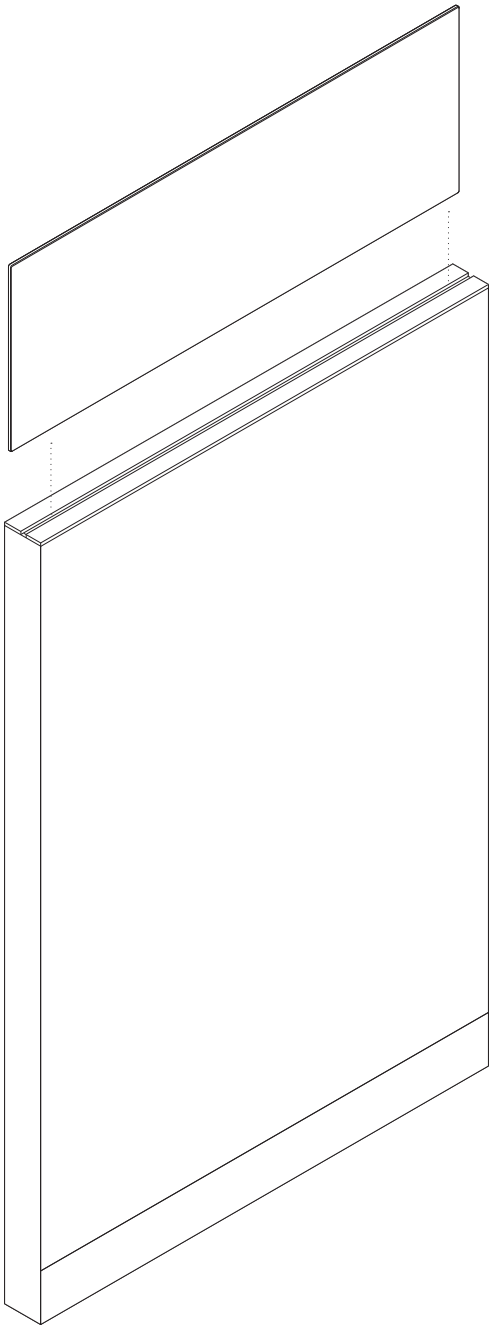
Stacking horizontal frame package is used when additional horizontal bar is needed in off-module application. See off-module guidelines.

Stacking Stability Guidelines provides detailed information on applications.
▶ Page 148

Frameless Glass Screens with Recessed Attachment—Thin Trim

Frameless glass screen with recessed attachment can be added to the top of a panel to help define space and provide some privacy while still providing access to natural light and promoting communication between adjacent workers.

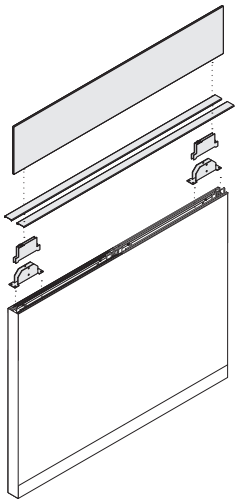
▶ Specifying, page 396



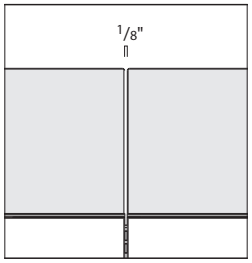
Product Details

Frameless glass screen with recessed attachment is secured to horizontal connecting bar by supports below the top cap. Two brackets are used below the top cap to attach the glass to the panel on 24"–66"W panels. Three brackets are used on panels 72" and wider.

Frameless glass screens with recessed attachment can be used on panels with thin profile trim.



Frameless glass kit includes glass screen, supports, and top caps.



Gap between adjacent glass screens is 1/8".

Actual Dimensions

Glass Width—standard: 23 7/8", 29 7/8", 35 7/8", 41 7/8", 47 7/8", 53 7/8", 59 7/8", 65 7/8", 71 7/8", 77 7/8", 83 7/8", 89 7/8", and 95 7/8"

Glass Width—change-of-height one end Thin trim: 23 7/16", 29 7/16", 35 7/16", 41 7/16", 47 7/16", 53 7/16", 59 7/16", 65 7/16", 71 7/16", 77 7/16", 83 7/16", 89 7/16", and 95 7/16"

Glass Height: 9 5/16", 15 1/2", 21 11/16", and 27 7/8"

Glass Thickness: 3/8"

Surface Materials

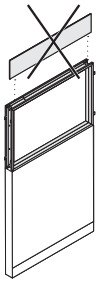
Glass
- 6500 Clear Glass
- 6530 Frosted Glass

Tip: Frosted glass for recessed frameless glass attachment is a laminated construction.There may be variation in color, texture, and finish between the sample of 6530 Frosted Glass and the actual product.

Top cap
- Paint
- Wood veneer

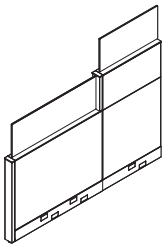
Application Topics

Frameless glass screen can be placed on the top of a panel only. Top beam in the panel must be located in the top position of the frame in order to support frameless glass. Frameless glass can be used on base panels or stacking panels.

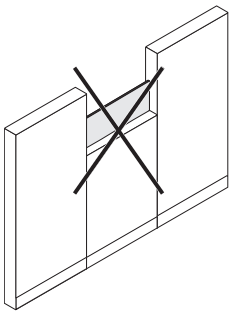


Frameless glass screen cannot be used when a window is located in the top position of the panel.

Framelesss glass screen cannot be added to a panel segment with a 6" stacker.

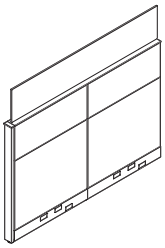


At an in-line change-of-height condition, a change-of-height top cap should be specified. Change-of-height top cap option is available to allow for positioning of glass next to change-of-height trim on one side only. Glass is shortened and top cap provided supports change-of-height on one end only. A change-of-height top cap is not needed at a corner change-of-height condition.



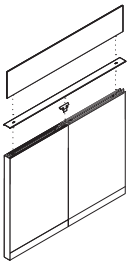
Frameless glass screen will not fit between two in-line change-of-height trims.

Frameless glass kit is available without glass screen to accommodate customer's own glass. See chart of field installed glass size requirements for specific dimensions required for glass to fit in frameless glass brackets. Steelcase recommends the use of safety glass meeting ANSI Z97.1 for field installed glass. Check with your local building authority for requirements in your area.



A single frameless glass screen can span over two or more in-line panels up to 96".

Frameless glass screens with recessed attachment cannot span a corner junction.



In-line spanning top cap lightseal must be specified separately when used in this application. Spanning top cap lightseal attaches to underside of top cap to fill space between skin lightseals. Specify one for each in-line junction the frameless glass screen spans.



Before November 2012



After November 2012

Plastic end-of-run and junction cap aligners manufactured after November 2012 will have features to accommodate recessed frameless glass. Aligners manufactured before November 2012 will not be able to accommodate recessed frameless glass and new aligners will need to be ordered.



Each Answer frameless glass with recessed attachment kit will come with two aligners to align top caps when two frameless glass kits are used in an in-line condition.

When specifying frameless glass or top cap mounted storage in a wall-start application or an off module fin panel, the wall-start option should be selected. A recessed frameless glass top cap connector **(TS7TFGRC)** must also be ordered for this application.

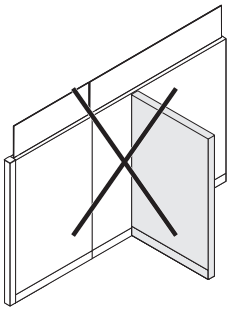


A recessed frameless glass top cap connector (TS7TFGRC) must be specified when a frameless glass screen is adjacent to a corner junction and the frameless glass top caps are located at a different (lower) height than the junction cap.

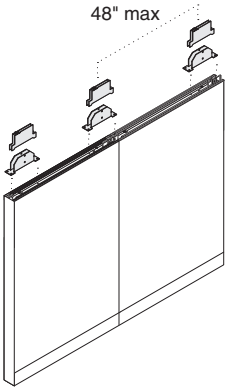
A recessed frameless glass top cap connector must be specified when recessed frameless glass is coming into an in-line change-of-height condition and the recessed frameless glass is located on the lower panel.

A recessed frameless glass top cap connector (TS7TFGRC) must be specified when a frameless glass screen is adjacent to a boundary screen that is the same or taller height as the panel.

A recessed frameless glass top cap connector must be specified when recessed, frameless glass is adjacent to a utility pole.

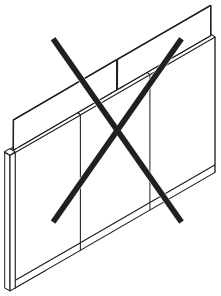


Recessed frameless glass cannot be used on a spine panel hosting the same height off-module connection. The off-module fin panel can use recessed frameless glass, but must have the wall-start option specified.



When omitting glass and using acrylic or 3 form material in place of glass additional support clamps may need to be ordered as service parts (T522096SR or T522097SR). Frameless glass kits 54" to 66" will also require additional support clamps to be ordered. When installing the support clamps the maximum allowed distance between the clamps is 48".

Frameless Glass Screens with Recessed Attachment—Thin Trim, continued



Both ends of the frameless glass screen must be at a junction. The frameless screen cannot end in the middle of a panel segment.

Field-Installed Glass Size Requirements

Style Number	Heights	Maximum Width	Thickness Range (min-max)
Standard			
TS7624TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	23 7/8"	.350–.4500"
TS7630TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	29 7/8"	.350–.4500"
TS7636TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	35 7/8"	.350–.4500"
TS7642TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	41 7/8"	.350–.4500"
TS7648TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	47 7/8"	.350–.4500"
TS7654TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	53 7/8"	.350–.4500"
TS7660TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	59 7/8"	.350–.4500"
TS7666TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	65 7/8"	.350–.4500"
TS7672TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	71 7/8"	.350–.4500"
TS7678TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	77 7/8"	.350–.4500"
TS7684TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	83 7/8"	.350–.4500"
TS7690TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	89 7/8"	.350–.4500"
TS7696TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	95 7/8"	.350–.4500"
TS71224TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	23 7/8"	.350–.4500"
TS71230TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	29 7/8"	.350–.4500"
TS71236TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	35 7/8"	.350–.4500"
TS71242TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	41 7/8"	.350–.4500"
TS71248TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	47 7/8"	.350–.4500"
TS71254TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	53 7/8"	.350–.4500"
TS71260TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	59 7/8"	.350–.4500"
TS71266TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	65 7/8"	.350–.4500"
TS71272TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	71 7/8"	.350–.4500"
TS71278TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	77 7/8"	.350–.4500"
TS71284TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	83 7/8"	.350–.4500"
TS71290TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	89 7/8"	.350–.4500"
TS71296TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	95 7/8"	.350–.4500"
TS71824TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	23 7/8"	.350–.4500"
TS71830TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	29 7/8"	.350–.4500"
TS71836TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	35 7/8"	.350–.4500"
TS71842TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	41 7/8"	.350–.4500"
TS71848TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	47 7/8"	.350–.4500"
TS71854TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	53 7/8"	.350–.4500"
TS71860TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	59 7/8"	.350–.4500"
TS71866TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	65 7/8"	.350–.4500"
TS71872TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	71 7/8"	.350–.4500"
TS71878TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	77 7/8"	.350–.4500"
TS71884TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	83 7/8"	.350–.4500"
TS71890TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	89 7/8"	.350–.4500"
TS71896TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	95 7/8"	.350–.4500"

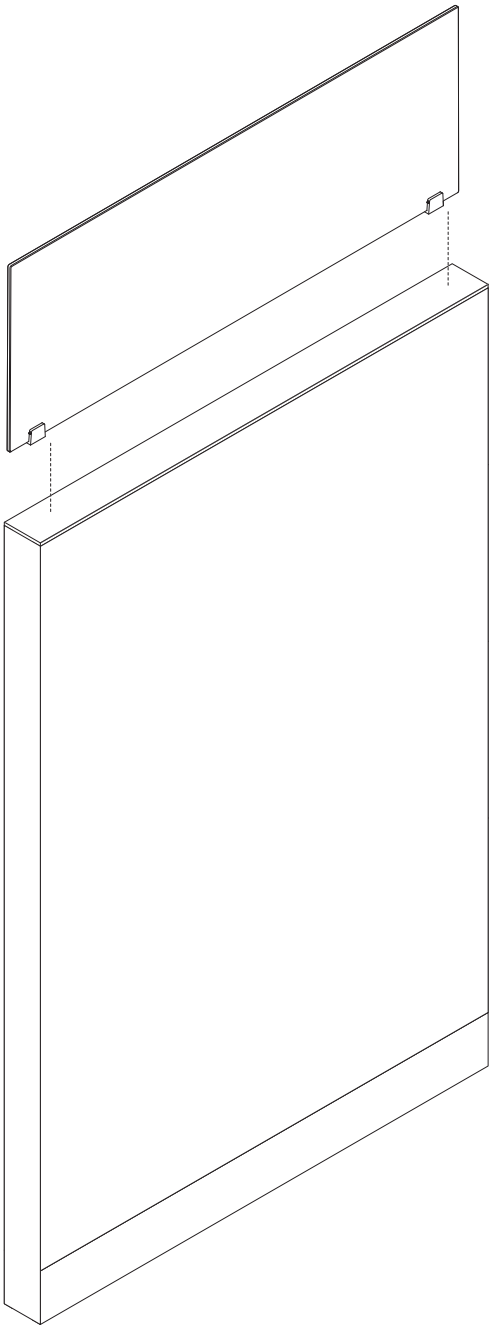
Field-Installed Glass Size Requirements

Style Number	Heights	Maximum Width	Thickness Range (min-max)
Change-of-Height—one end			
TS7624TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	23 7/16"	.350–.4500"
TS7630TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	29 7/16"	.350–.4500"
TS7636TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	35 7/16"	.350–.4500"
TS7642TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	41 7/16"	.350–.4500"
TS7648TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	47 7/16"	.350–.4500"
TS7654TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	53 7/16"	.350–.4500"
TS7660TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	59 7/16"	.350–.4500"
TS7666TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	65 7/16"	.350–.4500"
TS7672TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	71 7/16"	.350–.4500"
TS7678TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	77 7/16"	.350–.4500"
TS7684TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	83 7/16"	.350–.4500"
TS7690TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	89 7/16"	.350–.4500"
TS7696TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	95 7/16"	.350–.4500"
TS71224TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	23 7/16"	.350–.4500"
TS71230TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	29 7/16"	.350–.4500"
TS71236TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	35 7/16"	.350–.4500"
TS71242TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	41 7/16"	.350–.4500"
TS71248TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	47 7/16"	.350–.4500"
TS71254TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	53 7/16"	.350–.4500"
TS71260TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	59 7/16"	.350–.4500"
TS71266TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	65 7/16"	.350–.4500"
TS71272TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	71 7/16"	.350–.4500"
TS71278TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	77 7/16"	.350–.4500"
TS71284TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	83 7/16"	.350–.4500"
TS71290TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	89 7/16"	.350–.4500"
TS71296TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	95 7/16"	.350–.4500"
TS71824TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	23 7/16"	.350–.4500"
TS71830TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	29 7/16"	.350–.4500"
TS71836TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	35 7/16"	.350–.4500"
TS71842TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	41 7/16"	.350–.4500"
TS71848TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	47 7/16"	.350–.4500"
TS71854TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	53 7/16"	.350–.4500"
TS71860TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	59 7/16"	.350–.4500"
TS71866TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	65 7/16"	.350–.4500"
TS71872TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	71 7/16"	.350–.4500"
TS71878TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	77 7/16"	.350–.4500"
TS71884TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	83 7/16"	.350–.4500"
TS71890TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	89 7/16"	.350–.4500"
TS71896TFGR	9 5/16", 15 1/2", 21 11/16", and 27 7/8"	95 7/16"	.350–.4500"

Frameless Glass Screens with Clip Attachment—Thin Trim

Frameless glass screen with clip attachment can be added to the top of a panel to help define space and provide some privacy while still providing access to natural light and promoting communication between adjacent workers.

▶ Specifying, page 400



Actual Dimensions

Glass Width – standard: 23 3/4", 29 3/4", 35 3/4", 41 3/4", 47 3/4", 59 3/4", 71 3/4", 77 3/4", 83 3/4", 89 3/4", and 95 3/4"

Glass Width – change-of-height one end thin trim: 23 1/4", 29 1/4", 35 1/4", 41 1/4", 47 1/4", 59 1/4", 71 1/4", 77 1/4", 83 1/4", 89 1/4", and 95 1/4"

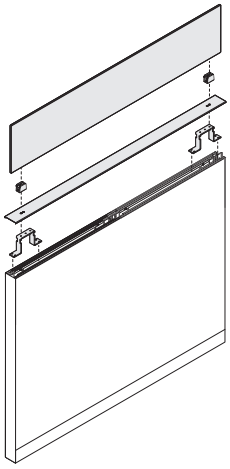
Glass Height: 11 3/4"

Glass Thickness: 3/8"

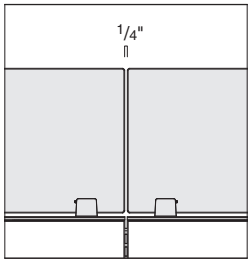
Product Details

Frameless glass screen with clip attachment is secured to horizontal connecting bar by supports below the top cap and brackets above the top cap. Two brackets are used above the top cap to attach the glass to the panel on 24"–60"W panels. Three brackets are used on panels 78" and wider.

Frameless glass screens with clip attachment can be used on panels with thin profile trim.



Frameless glass kit includes glass screen, brackets, supports, and top cap with holes to accommodate brackets.



Gap between adjacent glass screens is 1/4".

Surface Materials

Glass
- 6500 Clear Glass
- 6530 Frosted Glass

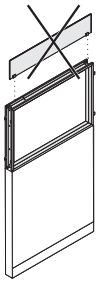
Tip: Frosted glass for clip attachment frameless glass is a double opaque glass construction. There may be variation in color, texture, and finish between the sample of 6530 Frosted Glass and the actual product.

Brackets
- Paint

Top cap
- Paint
- Wood veneer

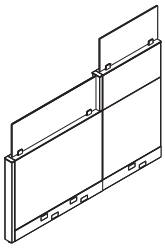
Application Topics

Frameless glass screen can be placed on the top of a panel only. Top beam in the panel must be located in the top position of the frame in order to support frameless glass. Frameless glass can be used on base panels or stacking panels.

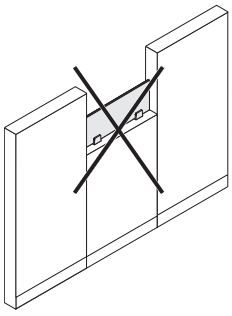


Frameless glass screen cannot be used when a window is located in the top position of the panel.

Framelesss glass screen cannot be added to a panel segment with a 6" stacker.

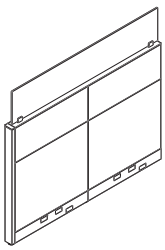


Change-of-height top cap option is available to allow for positioning of glass next to change-of-height trim on one side only. Glass is shortened and top cap provided supports change-of-height on one end only.

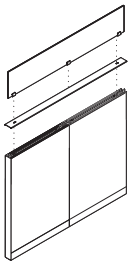


Frameless glass screen will not fit between two change-of-height trims.

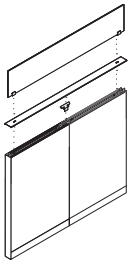
Frameless glass kit is available without glass screen to accommodate customer's own glass. See chart of field installed glass size requirements for specific dimensions required for glass to fit in frameless glass brackets. Steelcase recommends the use of safety glass meeting ANSI Z97.1 for field installed glass. Check with your local building authority for requirements in your area.



A single frameless glass screen can span over two or more panels.



90" and 96" wide frameless glass screen kits include three brackets. Two brackets attach to supports below the top cap. The third bracket attaches only to the top cap through a hole that is drilled in the top cap by the installer on site.



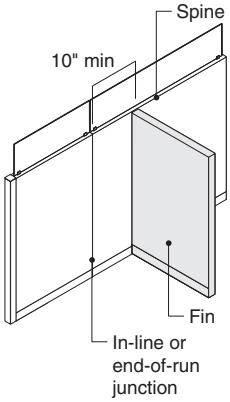
In-line spanning top cap lightseal must be specified separately when used in this application. Spanning top cap lightseal attaches to underside of top cap to fill space between skin lightseals. Specify one for each in-line junction the frameless glass screen spans.

A template tool is available from Service Parts (T511082SR) to assist in locating where holes are to be drilled on the beam of an existing panel to allow supports to be attached. This only applies to beams produced prior to September 2009. Beams produced after this date include holes to allow frameless glass supports to be attached.

Field-Installed Glass Size Requirements

Style Number	Maximum Height	Maximum Width	Thickness Range (min-max)
Standard			
TS71224TFG	11 3/4"	23 3/4"	.350-.400"
TS71230TFG	11 3/4"	29 3/4"	.350-.400"
TS71236TFG	11 3/4"	35 3/4"	.350-.400"
TS71242TFG	11 3/4"	41 3/4"	.350-.400"
TS71248TFG	11 3/4"	47 3/4"	.350-.400"
TS71260TFG	11 3/4"	59 3/4"	.350-.400"
TS71272TFG	11 3/4"	71 3/4"	.350-.400"
TS71278TFG	11 3/4"	77 3/4"	.350-.400"
TS71284TFG	11 3/4"	83 3/4"	.350-.400"
TS71290TFG	11 3/4"	89 3/4"	.350-.400"
TS71296TFG	11 3/4"	95 3/4"	.350-.400"
Change-of-Height – one end			
TS71224TFG	11 3/4"	23 1/4"	.350-.400"
TS71230TFG	11 3/4"	29 1/4"	.350-.400"
TS71236TFG	11 3/4"	35 1/4"	.350-.400"
TS71242TFG	11 3/4"	41 1/4"	.350-.400"
TS71248TFG	11 3/4"	47 1/4"	.350-.400"
TS71260TFG	11 3/4"	59 1/4"	.350-.400"
TS71272TFG	11 3/4"	71 1/4"	.350-.400"
TS71278TFG	11 3/4"	77 1/4"	.350-.400"
TS71284TFG	11 3/4"	83 1/4"	.350-.400"
TS71290TFG	11 3/4"	89 1/4"	.350-.400"
TS71296TFG	11 3/4"	95 1/4"	.350-.400"

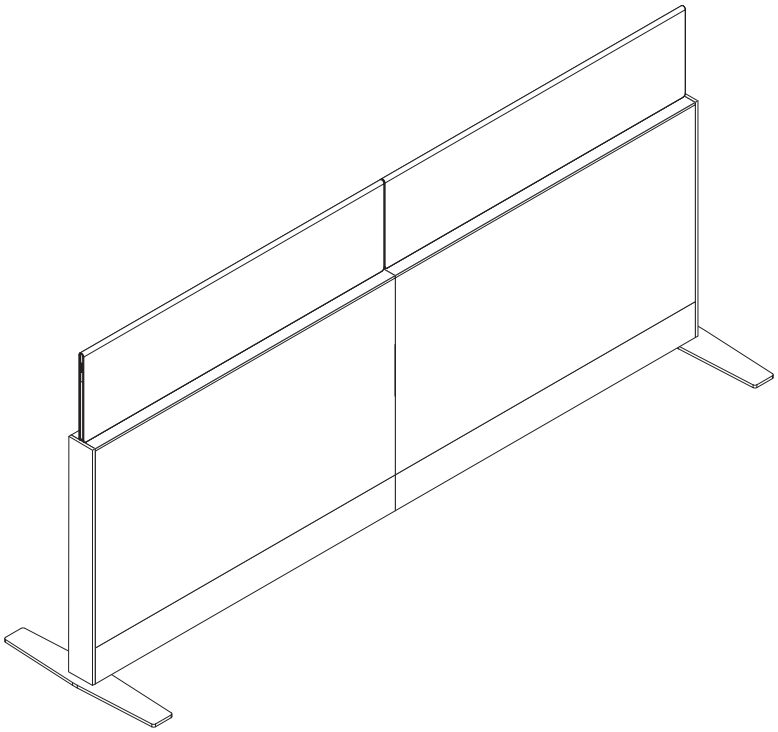
Tip: Field installed glass should always be tempered. Laminated glass must not be used.



When using frameless glass on a spine panel with a same height off-module panel connections, the off-module cannot connect within 10" of an end-of-run or in-line junction connection.

Universal Screens with Answer Thin Trim Top Cap

Universal screens provide a tackable boundary element along the Answer panel. They are available in two heights to accommodate varying levels of privacy.
▶Specifying, page 402



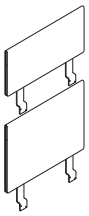
Actual Dimensions

Height	13½" or 19½"
Width	24", 30", 36", 42", 48", 54", 60", 66", 72", 78", 84", 90", or 96"

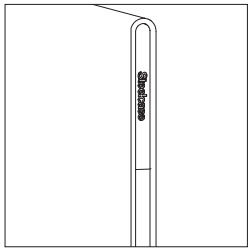
Tip: 13½"H screen aligns with a 42" overall height from the floor, when installed to a 30"H panel. 19½" screen aligns with a 48" overall height from the floor, when installed to a 30"H panel.

Product Details

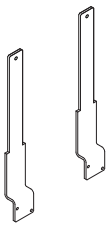
Universal screens with Answer top cap can only be used with thin profile trim.



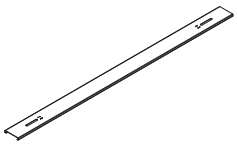
Universal screens are tackable and available in 13½"H and 19½"H, and have widths from 24"W to 96"W.



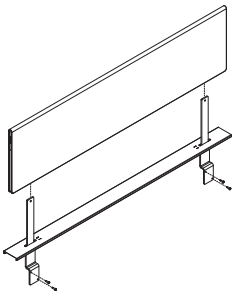
The edge of the screen is comprised of two different materials. The upper segment is merle plastic. The lower portion is PET which can be specified in medium heather grey to provide contrast or dark heather grey for a uniform visual.



Brackets are included with screens. Two brackets are used on all screens.

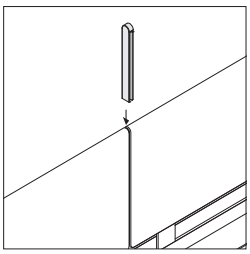


Universal screens include a thin trim top cap with slots for the screen brackets.



Universal screen and top cap slide onto brackets.

Screen brackets install on horizontal connecting bar prior to installation of skins and top cap.

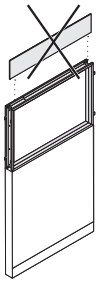


When Universal screens are placed directly adjacent to each other in-line, a small aligner can be placed in between the screens at the top to connect them for planar alignment. Aligners are ordered separately in packages of 10.

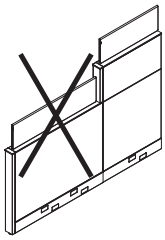
Application Topics

Universal screen can be placed on the top of a panel only. Top bar in the panel must be located in the top position of the frame in order to support Universal screens. Universal screens can be used on base panels or stacking panels.

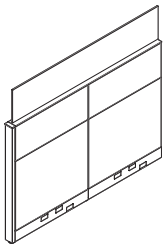
The Universal screen cannot be added to a panel segment with a 6" stacker.



Universal screens cannot be used when a window is located in the top position of the panel.

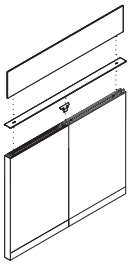


Universal screens on Answer panel cannot be added to the lower panel segment of an in-line change-of-height condition.



A single Universal screen can span over two or more in-line panels up to 96".

Universal screens for Answer panel cannot span a corner junction.



In-line spanning top cap lightseal must be specified separately when used in this application. Spanning top cap lightseal attaches to underside of top cap to fill space between skin lightseals. Specify one for each in-line junction the Universal screen spans.

Universal screens can be used on a spine panel hosting the same height off-module connection. The off-module panel cannot connect to the spine where the Universal screen bracket connects to the horizontal bar.

Surface Materials

Screen
- Fabric

▶See *Surface Materials,* page 723.

Brackets
- 7360 Merle

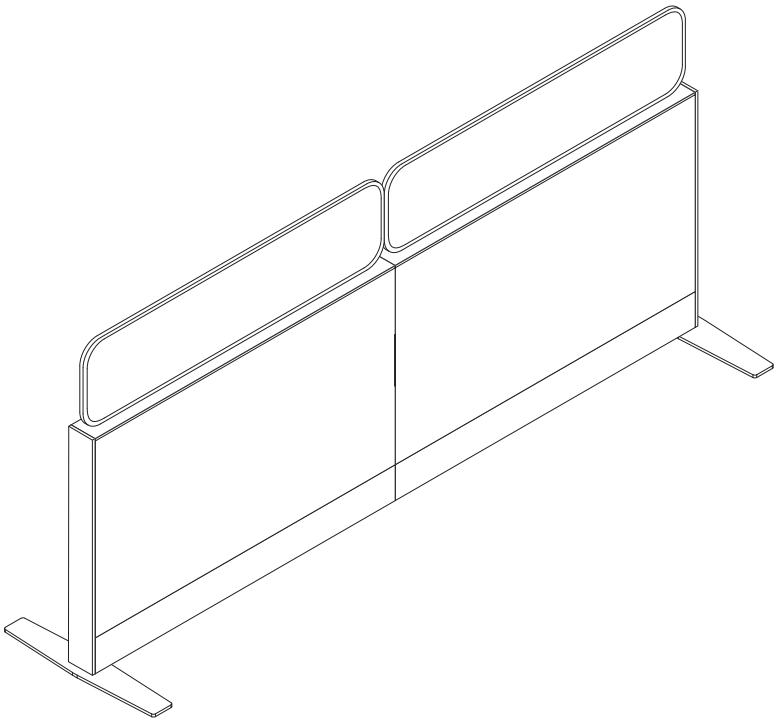
Edge (lower segment)
- P630 Medium Heather Grey PET
- P631 Dark Heather Grey PET

Top cap
- Paint

▶See *Surface Materials,* page 723.

Sarto Fence Screens with Answer Thin Trim Top Cap

Sarto screens provide a light scale tackable boundary element along the Answer panel. They are available in two heights to accommodate varying levels of privacy.
▶ Specifying, page 402



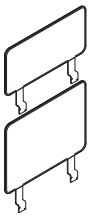
Actual Dimensions

Screen Height	12½" or 18½"
Width	24", 30", 36", 42", 48", 54", 60", 66", 72", 78", 84", 90", or 96"

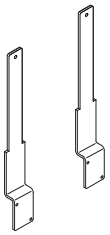
Tip: 13½"H screen aligns with a 42" overall height from the floor, when installed to a 30"H panel. 19½"H screen aligns with a 48" overall height from the floor, when installed to a 30"H panel.

Product Details

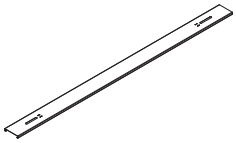
Sarto screens with Answer top cap can only be used with thin profile trim.



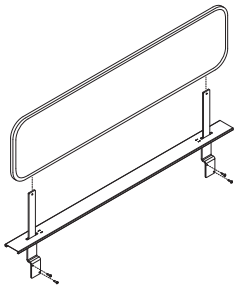
Sarto screens are tackable. They are available in two heights, 13½"H and 19½"H, and have widths ranging from 24"W to 96"W.



Brackets and hard stops are included with screens. Two brackets are used on screens 54"W and smaller. Three brackets are used on screens 60"W and larger.



Universal screens include a thin trim top cap with slots for the screen brackets



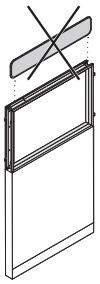
Sarto screen slides onto brackets after top cap and hard stops are installed on the brackets.

Screen brackets install on horizontal connecting bar prior to installation of skins and top cap.

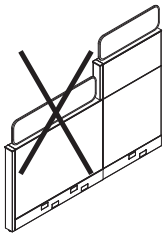
Application Topics

Sarto screen can be placed on the top of a panel only. Top bar in the panel must be located in the top position of the frame in order to support Sarto screens. Sarto screens can be used on base panels or stacking panels.

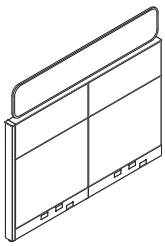
The Sarto screen cannot be added to a panel segment with a 6" stacker.



Sarto screens cannot be used when a window is located in the top position of the panel.



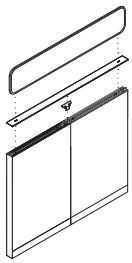
Sarto screens on Answer panel cannot be added to the lower panel segment of an in-line change-of-height condition.



A single Sarto screen can span over two or more in-line panels up to 96".

A single Sarto screen that is 60"W or wider cannot span two panel sections of equal width. The middle bracket of the Sarto screen will interfere with the inline junction.

Sarto screens for Answer panel cannot span a corner junction.



In-line spanning top cap lightseal must be specified separately when used in this application. Spanning top cap lightseal attaches to underside of top cap to fill space between skin lightseals. Specify one for each in-line junction the Sarto screen spans.

Sarto screens can be used on a spine panel hosting the same height off-module connection. The off module panel cannot connect to the spine where the Universal screen bracket connects to the horizontal bar.

Surface Materials

Screen

- Fabric

▶See *Surface Materials,* page 723.

Brackets

- 7360 Merle

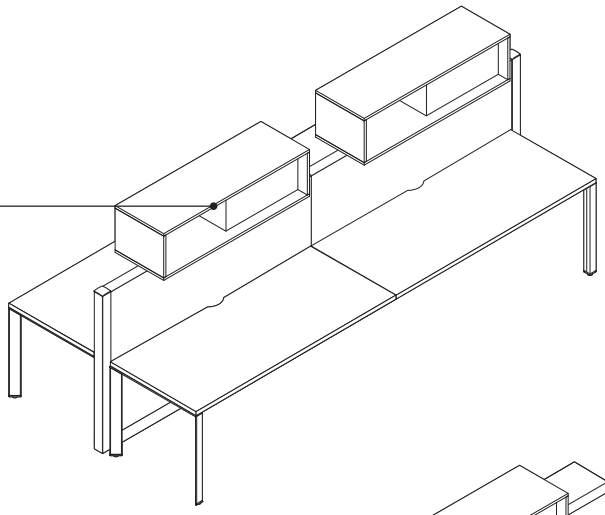
Top Cap

- Paint

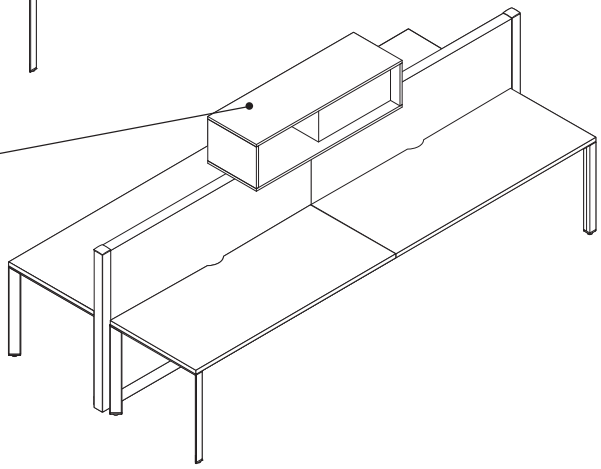
▶See *Surface Materials,* page 723.

Top Cap Mounted Storage

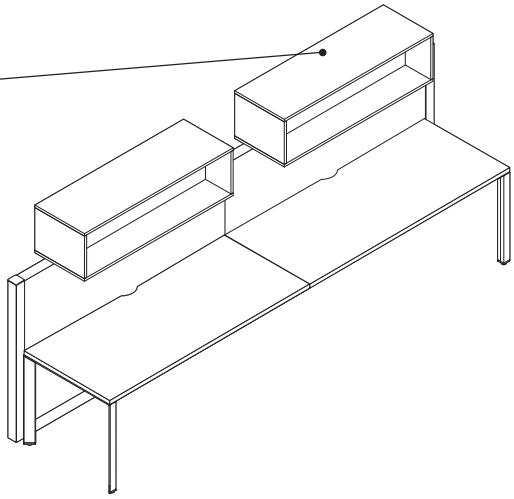
Top cap mounted storage allows for existing Duo, Elective Elements, Currency Enhanced, and c:scape storage to be mounted on top of Answer panels.
▶Specifying, page 404



c:scape, Duo, Currency Enhanced, and Elective Elements storage can be mounted on top of Answer panels with thin trim.



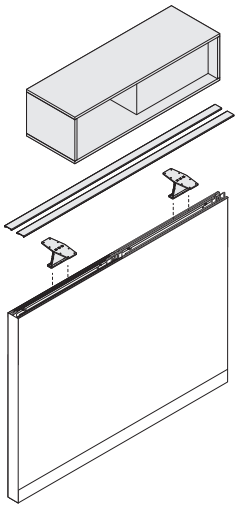
Top cap mounted storage can be mounted both on- and off-module.



Top cap mounted storage can be specified for both center-mounted (shared) and aisleway applications.

Product Details

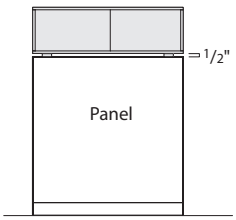
Top cap mounted storage utilizes existing c:scape, Duo, Currency Enhanced, and Elective Elements storage and secures it to the horizontal connecting bar using supports below the top cap. Storage units can be mounted both centered (shared) or in an aisleway condition (personal). There are unique brackets for each application. Two brackets are used below the top cap to attach storage units that are center mounted (all sizes) or in aisleway applications where the storage is between 30"W and 48"W. Three brackets are used in aisleway applications where the storage units are 54"W to 72"W.



The top cap mounted storage solution is comprised of three elements specified separately:

- standard c:scape, Duo, Currency Enchanced, or Elective Elements storage.
  ▶See complete listing for compatible storage, page 76.
- top cap mounted storage bracket.
- top cap and aligner packages.

Top cap mounted storage can be used on panels with thin trim only.



Front View

When installed, there is a ½" gap between the top cap and the bottom of the storage unit.

When mounting Elective Elements personal storage, a proud back should be specified. While inset is also an option, proud will provide you with a cleaner aesthetic.

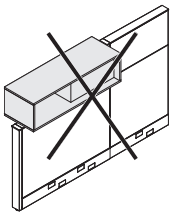
When mounting c:scape storage (personal and slim), the bottom of the storage will have extra holes visible that are used when storage is used in a c:scape application.

The maximum storage unit length that can be used in a top cap mounted application is 72". Storage wider than 72" cannot be top cap mounted.

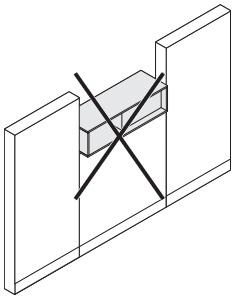
Application Topics

Top cap mounted storage can be placed on top of a thin trim panel only. It can be used with both painted and wood trims. The top beam in the panel must be located in the top position of the frame in order to support top cap mounted storage.

Top cap mounted storage can only be used on base panels. It cannot be used on stacking panels.



Top cap mounted storage can not be used in a change-of-height condition when the storage is located on the lower panel and matches the panel width. It can be used if the storage width is smaller than the panel width.

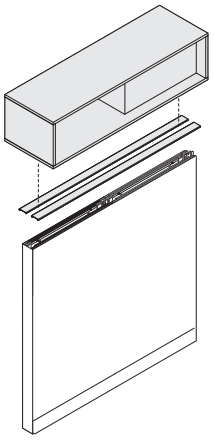


Top cap mounted storage will not fit between two change-of-height trims if the storage is the same width as the panel it is mounted to. Storage must be narrower width than panel in this application.

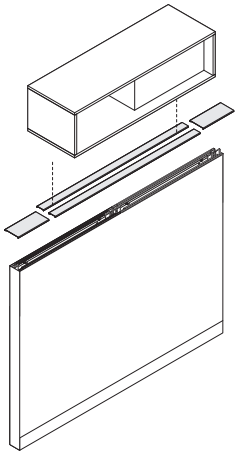
Top cap and aligner packages are ordered together as one style number. The aligner package includes two end-of-run aligners, two in-line aligners, and one pair of recessed-to-recessed aligners.



In certain application conditions a top cap connector aligner (TS7TFGRC) will also need to be specified. These include when storage or frameless glass is used on-module next to a wall-start junction, adjacent to a boundary screen, on an off-module panel, or in a corner change-of-height where the storage is used on the lower panel.

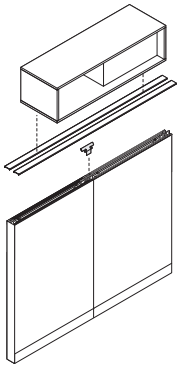


Top cap mounted storage has the ability to be mounted on panel module, or in off-module conditions. When the storage matches the panel width, the standard top caps from the horizontal frame package can be omitted as the top cap mounted storage top caps will be sufficient.



When the top cap mounted storage does not match the panel width, standard top caps will need to remain specified with the horizontal frame packages. Center mounted top caps will be used under the storage. The standard top caps will be used to finish off the top of the panel where there is not storage present. The standard top caps will need to be field cut to size.

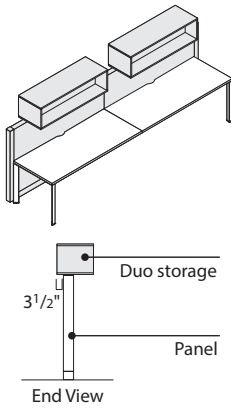
Top cap mounted storage has the ability to span both in-line and corner junctions.



In-line spanning top cap lightseal must be specified separately when used in this application. Spanning top cap light seal attaches to the underside of the top cap to fill space between skin lightseals. Specify one for each in-line junction the top cap mounted storage spans over.

End-of-run and junction cap aligners manufactured after November 2012 will have features to accommodate top cap mounted storage top caps. Aligners manufactured before November 2012 will not be able to accommodate top cap mounted storage top caps and new aligners will be needed.

Duo, Currency Enhanced, and Elective Elements storage can be top cap mounted on Answer panels up to 48"H. c:scape storage can be top cap mounted on Answer panels up to 42"H.



End View

When top cap mounted storage is used in an aisleway application the back of the storage unit will overhang the back of the panel 3½".

Connections

Both center and aisleway conditions can accept storage units up to 72"W. Center mounted conditions can accept storage up to 25"D. Aisleway mounted applications can accept storage up to 17"D.

Top cap mounted brackets should be mounted within 10" from the end of the storage unit. When possible, use the predrilled holes in the Answer horizontal bar. In some applications and in aisleway applications where the storage is larger than 48"W, additional holes will need to be drilled into the beam.

Both center and aisleway mounted storage units cannot overhang an end of run or corner junction more than 3½" due to ADA guidelines.

Surface Materials

Brackets
- Paint

Top cap
- Paint
- Wood veneer

Top Cap Mounted Storage, continued

Universal tie plates (TS7TIEPLATE) can be used to help align two storage units mounted in-line with no gap between them. Two tie plates should be used, one near each edge. When using with Duo, Currency Enhanced, or Elective Elements storage, the hardware shipped with the plates can be used. When used with c:scape storage, pan head self drilling fasteners should be ordered from the service parts catalog (853108629MP).

Surface Materials

Brackets
- Paint

Top cap
- Paint
- Wood veneer

Duo, c:scape, Elective Elements, and Currency Enhanced Storage Units That Can Be Used with Answer Top Cap Mounting Brackets

Duo

Duo Shared Tall Storage

BDTD54

BDTD66

Duo Individual Tall Storage

BDTS54

BDTS66

Duo Slim Storage

BDS54

BDS66

c:scape

Tip: c:scape personal and shared storage units have multiple holes in the bottom of cabinet that could be visible in same applications to end users.

c:scape Personal Tall Storage

CQMT173015P

CQMT173615P

CQMT174215P

CQMT174815P

CQMT176015P

CQMT176615P

CQMT177215P

c:scape Shared Tall Storage

CQMT173015S

CQMT173615S

CQMT174215S

CQMT174815S

CQMT176015S

CQMT176615S

CQMT177215S

c:scape Personal Slim Storage

CQMS173007P

CQMS173607P

CQMS174207P

CQMS174807P

CQMS176007P

CQMS176607P

CQMS177207P

c:scape, continued

c:scape Shared Slim Storage

CQMS173007S

CQMS173607S

CQMS174207S

CQMS174807S

CQMS176007S

CQMS176607S

CQMS177207S

CQMS246007S

CQMS246607S

CQMS247207S

Elective Elements

Tip: Same Elective Elements storage units have different back options including inset, proud, or tackable.

Elective Elements Single-High Overhead with Hinged Door

E6OS153015H

E6OS153615H

E6OS154215H

E6OS154815H

E6OS155415H

E6OS156015H

E6OS156615H

E6OS157215H

E6OS183015H

E6OS183615H

E6OS184215H

E6OS184815H

E6OS185415H

E6OS186015H

E6OS186615H

E6OS187215H

Elective Elements, continued

Elective Elements Single-High Overhead with Sliding Door

E6OS153615S

E6OS154215S

E6OS154815S

E6OS155415S

E6OS156015S

E6OS156615S

E6OS157215S

E6OS183615S

E6OS184215S

E6OS184815S

E6OS185415S

E6OS186015S

E6OS186615S

E6OS187215S

Elective Elements Single-High Overhead Open

E6OS153015P

E6OS153615P

E6OS154215P

E6OS154815P

E6OS155415P

E6OS156015P

E6OS156615P

E6OS157215P

E6OS173015P

E6OS173615P

E6OS174215P

E6OS174815P

E6OS175415P

E6OS176015P

E6OS176615P

E6OS177215P

Duo, c:scape, Elective Elements, and Currency Enhanced Storage Units That Can Be Used with Answer Top Cap Mounting Brackets

Elective Elements, continued

Elective Elements Personal for FrameOne

E6OA153015P
E6OA153615P
E6OA154215P
E6OA154815P
E6OA156015P
E6OA156615P
E6OA157215P

Elective Elements Shared for FrameOne

E6OF153015P
E6OF153615P
E6OF154215P
E6OF154815P
E6OF156015P
E6OF156615P
E6OF157215P

Elective Elements Personal for FrameOne with Sliding Door

E6OA153615S
E6OA154215S
E6OA154815S
E6OA156015S
E6OA156615S
E6OA157215S

Elective Elements, continued

Elective Elements Shared for FrameOne with Sliding Door

E6OF153615S
E6OF154215S
E6OF154815S
E6OF156015S
E6OF156615S
E6OF157215S

Elective Elements Organizer

E6OO15307
E6OO15367
E6OO15427
E6OO15487
E6OO15547
E6OO15607
E6OO15667
E6OO15727
E6OO17307
E6OO17367
E6OO17427
E6OO17487
E6OO17547
E6OO17607
E6OO17667
E6OO17727

Elective Elements, continued

Elective Elements Personal Organizer for FrameOne

E6SA15307
E6SA15367
E6SA15427
E6SA15487
E6SA15607
E6SA15667
E6SA15727

Elective Elements Shared Organizer for FrameOne

E6SF15307
E6SF15367
E6SF15427
E6SF15487
E6SF15607
E6SF15667
E6SF15727

Currency Enhanced

Currency Enhanced Overhead

CROH

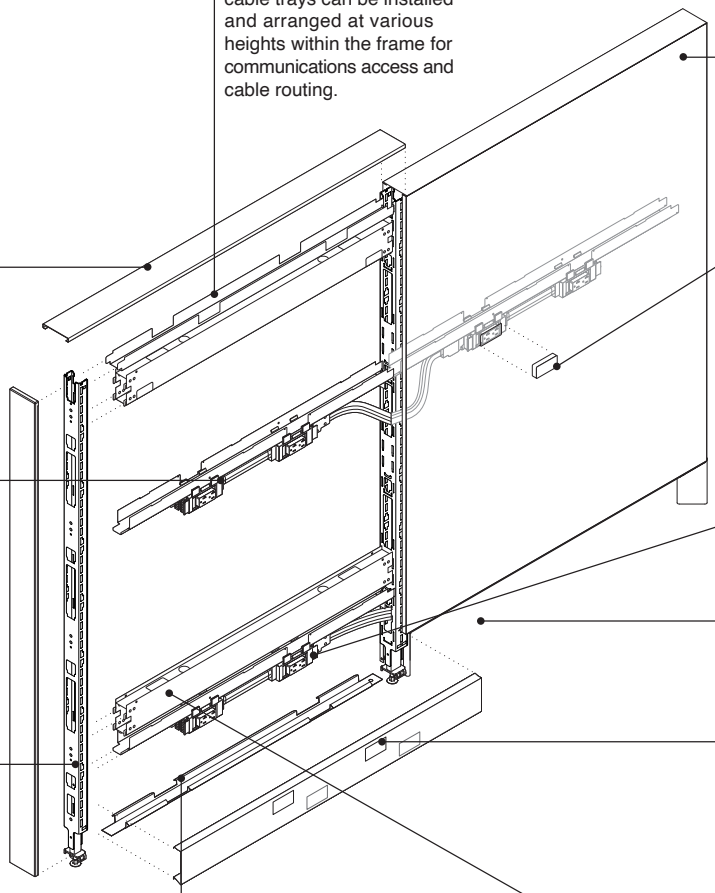
Currency Enhanced Organizers

CROR

Panel Packages—Thin Trim

Panel packages include two monolithic fabric skins and a horizontal frame package. Answer panels always share a junction with adjacent panels. Order the style of junction you need separately.
▶Specifying, page 406

Optional cable tray can be used for additional support of cables. Additional cable trays can be installed and arranged at various heights within the frame for communications access and cable routing.



Skins attach to frame without tools and can be removed and repositioned easily. They are not dedicated to a specific location.

Power and communication can be accessed by cutting skin in the field. Templates for cutting both receptacle and communication cutouts are available from Service Parts (T500940SR). Filler to close unwanted cutout in a skin is available from Service Parts (TS7STFSR).

Top cap snaps onto top of panel skins. Top caps are available in Thin trim. Change-of-height top caps, wood veneer top caps, and omit top caps are also available as options on Thin trim.

Power can be field-installed every 12" vertically using powerkits.

Powerkits include powerblocks attached to a supporting power tray.
▶Page 188

Base trim or open base trim styles are available on panels with Thin trim as standard.

Junctions, ordered separately, are always shared by adjacent panels. They are available for in-line, L, T, V, X, Y, and end-of-run configurations. Wall-start junctions and off-module connector brackets are also available.

Base cover has knockouts to accommodate power and communication terminations. Top knockout is for power, bottom knockout is for communication. Filler to close unwanted knockouts is available from Service Parts (TS7BTFSR).

Horizontal connecting bars lock into the vertical junctions at the top and the bottom location to provide structural stability for the panels.

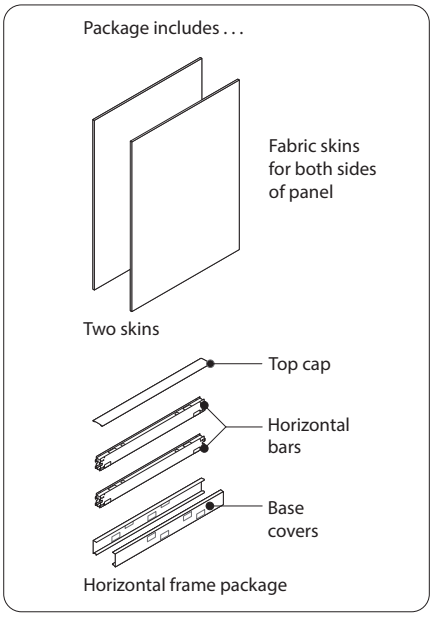
Optional base cable tray can be used to support lay-in of cables.

Actual Dimensions

Depth	3"
Width	$17\frac{51}{64}$", $23\frac{51}{64}$", $29\frac{51}{64}$", $35\frac{51}{64}$", $41\frac{51}{64}$", $47\frac{51}{64}$", $59\frac{51}{64}$", and $71\frac{51}{64}$"
Height	$41\frac{3}{4}$", $47\frac{15}{16}$", $54\frac{35}{64}$", and $66\frac{15}{32}$"

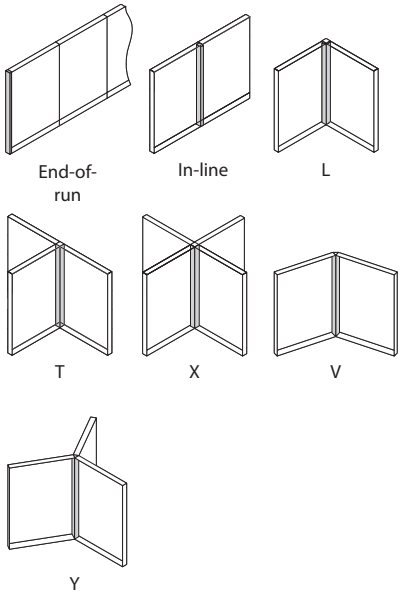
Order panel packages to create common panel configurations quickly and easily.

1. **Specify a panel package** of the width and height you need in thin top caps.

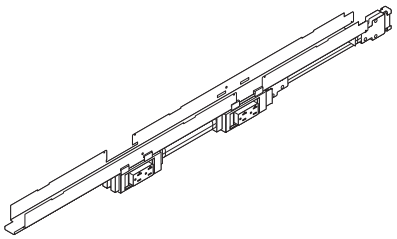


Note: Cable trays and base cable trays are optional.

2. **Order vertical junctions** to complete panel packages and to join panels in in-line, L, T, V, X, and Y configurations and to terminate an end-of-run. Junctions are available with trim.



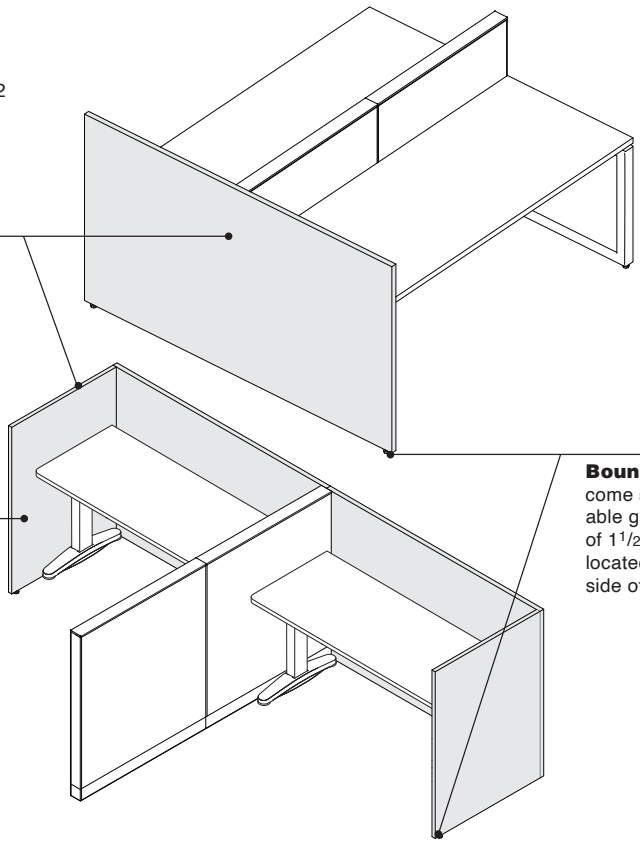
3. **Specify powerkits where you will need power.** You can specify a powerkit as an option on the panel package, or you can order powerkits separately.



Answer Boundary Screens

Boundary screens provide light scale space division and privacy for a variety of worksettings.

Answer boundary screens attach to the Answer panel at the end-of-run as an alternative to a panel, when power and hang-on components are not required.
▶Specifying, pages 408 - 422



Answer boundary screens have a thickness of 1 3/16".

Screens are available in laminate or wood veneer.

Boundary screens come standard with adjustable glides, with a range of 1 1/2". The glides are located 1 1/2" from the outside of each edge.

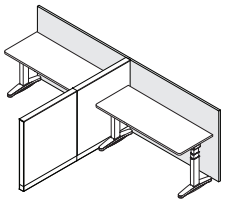
Actual Dimensions

Height	30", 36", 42", 48", and 54"
Single-Sided Width	27", 33", 39", 45", 51", 57", 63", 69", and 75"
Spanning Width	51", 57", 63", 69", and 75"
Split Width	25 1/2", 31 1/2", 37 1/2", 43 1/2", 49 1/2", 55 1/2", 61 1/2", 67 1/2", and 73 1/2"
Return Width	18", 24", and 30"
Thickness	1 3/16"

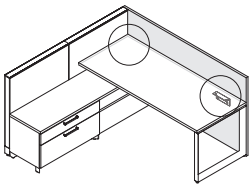
Note: Answer boundary screen widths can also be specified parametrically.

Product Details

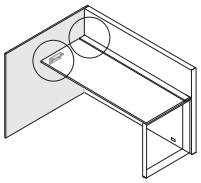
Boundary screens are available in two attachment versions – single-connect and dual-connect.



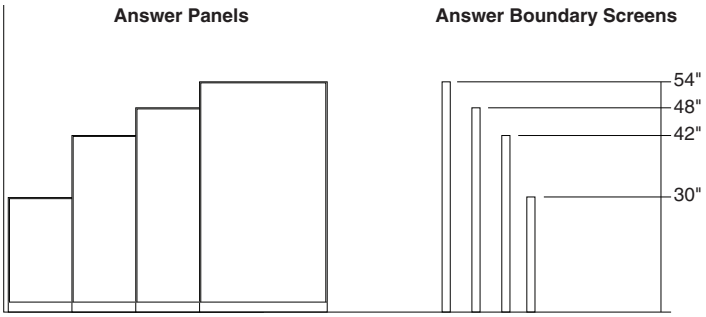
Single-connect boundary screens attach to the Answer panel using an end-of-run junction.
Tip: Single-connect boundary screens do not require any additional attachment for stability.



Dual-connect boundary screens have two attachment points: the end-of-run junction, and an adjacent worksurface or 1.5-H or higher storage unit.



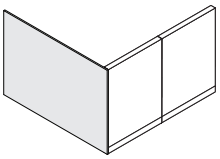
Boundary screens with dual connections can be used in place of a leg to support a worksurface.



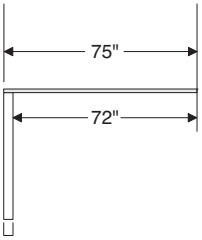
Boundary screen heights align with thin trim top cap panel heights at 30", 42", 48", and 54". 36"H boundary screens are also available.

Boundary screens have modular heights and widths. Parametric widths are allowed from 24"W to 75"W increasing in 1/16" increments. Boundary screen return widths are available at 18", 24", and 30", and are also available parametrically from 18"W to 75"W increasing in 1/16" increments.

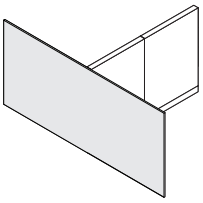
Answer boundary screens are available in five different configurations.



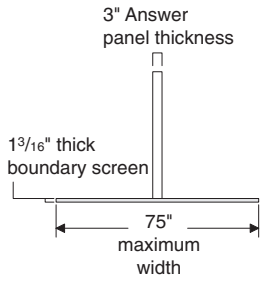
1. Single-sided boundary screens provide boundary to one side of an Answer panel and are specified as either left or right. Right handed application is shown above.



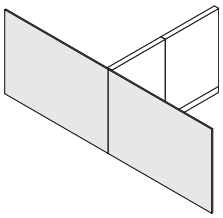
Single-sided boundary screens will always include the 3" thickness of the Answer panel to which they attach. Minimum width for a single-sided boundary screen is 27" (24" inside, and 3" for the Answer panel thickness). The maximum width is 75" (72" inside, and 3" for Answer panel thickness). The above image is shown with a right handed application.
Note: The above image shows a 75" specified width. The planning width is 72".



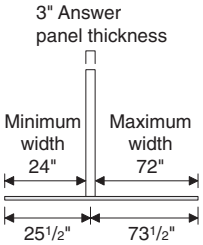
2. Spanning boundary screens use one screen segment to provide boundary of equal widths to both sides of an Answer panel.



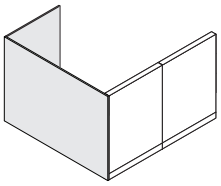
Spanning boundary screens always extend in equal dimension from the panel to which they attach and include the 3" thickness on the Answer panel. Minimum width for a spanning boundary screen is 51" (48" inside, and 3" for the Answer panel thickness). The maximum width is 75" (72" inside and 3" for Answer panel thickness).
Note: The above image shows a 75" specified width. The planning width is 72".



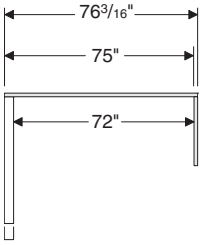
3. Split boundary screens use two screen segments to provide boundary to both sides of an Answer panel. Both sides of a split boundary screen are the same height.



Split boundary screens can either be equal or asymmetrical in dimension from the panel to which they attach and include the 3" thickness of the Answer panel. Minimum width for a split boundary screen is 25½" (24" inside, and 1½" for half of the Answer panel thickness) for each side of the panel. The maximum width is 73½" (72" inside, and 1½" for half of the Answer panel thickness) for each side of the panel.
Note: The above image shows a 25½" specified right width and a 73½" specified left width. The planning right width is 24" and the planning left width is 72".

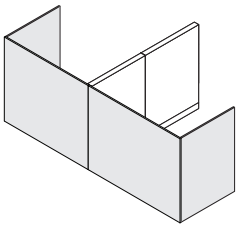


4. Single-sided L return boundary screens provide boundary and additional privacy to one side of an Answer panel. Both screen segments (primary and return screen) are the same height and are specified as either left or right handed. Right handed application is shown above.

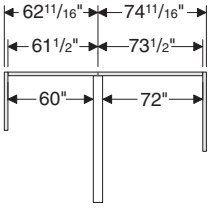


3" Answer
panel thickness

Single-sided L return boundary screens in modular widths have inside clearance in 6" increments to wrap standard width worksurfaces in 6" increments. Panel connected segments (the primary screens) are available in widths of 27" (24" inside, and 3" for Answer panel thickness) to 75" (72" inside, and 3" for Answer panel thickness).The inside width of modular returns are 18", 24", or 30". There is an additional 1 3/16" that will be added to the return width for the primary screen thickness. Both boundary screens have equal heights and are specified as either left or right handed. Right handed application is shown above.
Note: The above image shows a 75" specified width. The planning width is 72".



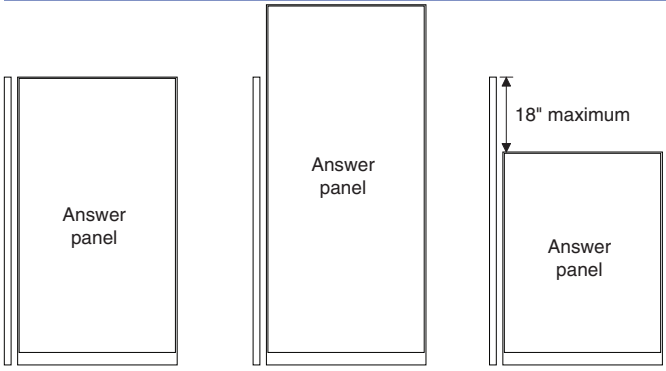
5. Split L return boundary screens consist of four segments to provide boundary and additional side privacy to both sides of an Answer panel. Split L configuration screens do not have to have symmetrical widths, but must have the same height.



3" Answer
panel thickness

Split L return boundary screens in modular widths have inside clearance in 6" increments to wrap standard width worksurfaces from 24" to 72" in 6" increments for each side of the split. The inside width of modular returns will be 18", 24", or 30". There is an additional 1 3/16" that will be added to the return width for the primary boundary screen thickness. Each panel connected segment is available in widths from 25 1/2" (24" inside, and 1 1/2" for half of the Answer panel thickness) to 73 1/2" (72" inside, and 1 1/2" for half of the Answer panel thickness).
Note: The above image shows a 61 1/2" specified left width and a 73 1/2" specified right width. The planning left width is 60" and the planning right width is 72".

Connections

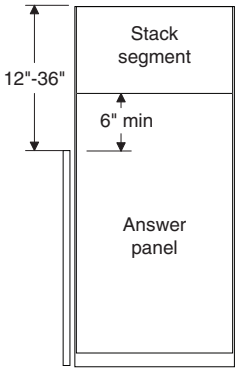


Boundary screens can be attached to Answer panels that are of equal height to the screen, higher than the screen, or lower than the screen.

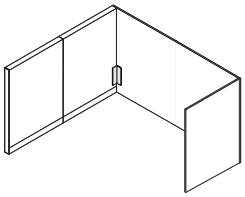
Boundary screens cannot be more than 18" taller than the Answer panel to which they connect.

Boundary screens may be shorter than connecting Answer panel in 6" increments between 12" and 36". In this situation, specify change-of-height trim separately.
Tip: When specifying a boundary screen equal to the height of the Answer panel, order a same height end-of-run junction for height of Answer panel with the "omit trim" option.
Tip: When specifying a boundary screen shorter than the height of the Answer panel, order a same height end-of-run junction for height of Answer panel with the "omit trim" option, and order a change-of-height trim.
Tip: When specifying a boundary screen taller than the height of the Answer panel, order a same height end-of-run junction for height of Answer panel with the "omit trim" option.

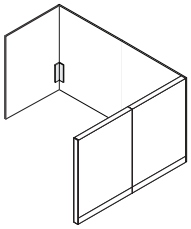
When boundary screen is shorter than connecting Answer panel in increments not supported with standard trim heights, order change-of-height trim through Specials.



When attaching to Answer panels with a stacking junction, boundary screens must be at least 6" lower than the start of the stacking segment.
Tip: Order change-of-height end-of-run trim separately.



On both single- and dual-connect boundary screens, there is a metal cover plate that covers the connection bracket that connects the boundary screen to the end-of-run junction. The cover is located 22" from the bottom of the screen and is 3"W and 14"H.



Return segments also have a second metal cover plate that covers the connection bracket that connects the return to the primary screen segment.

Surface Materials

Boundary screens
- Laminate
- Wood veneer

Edge on laminate
- Plastic

Bracket cover
- Paint

Tip: When specifying the paint finish for the bracket cover, select a finish that compliments the selected laminate or veneer finish.

Open Line laminates with grain direction can only be applied vertically. Open Line laminates are not allowed on boundary screens that are 60" or wider, or have segments that are 60" or wider.

On single-sided boundary screens, horizontal wood grain laminates and veneers can be applied up to 75"W. Vertical wood grain laminates can be applied up to 59"W. Vertical wood grain veneers can be applied up to 75"W.

On spanning boundary screens, wood grain laminates and veneers can be horizontal grain direction up to 75"W. Vertical wood grain laminates can be applied up to 59"W. Vertical wood grain veneers can be applied up to 75"W.

On split boundary screens, horizontal wood grain laminates and veneers can be applied up to 73½"W. Vertical wood grain laminates can be applied up to 59"W. Vertical wood grain veneers can be applied up to 73½"W.

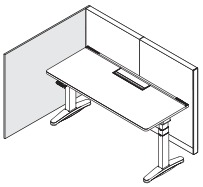
On split boundary screens with horizontal grain direction, the grain pattern of two screen segments may not align.

All boundary screen sides will have the same finish applied.

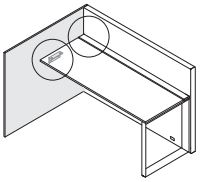
Application Topics

Answer boundary screens fulfill the same stability requirements as Answer panels of the same heights and widths. Answer boundary screens do not support hang-on components.
▶See *Stability Guidelines*, page 148

Boundary screens attach at the end-of-run location of an Answer panel panel with thin trim top detail.



Single-connect boundary screens are for use with height-adjustable or freestanding worksurfaces when storage is not available or is shorter than 1.5-High.
▶Page 80



Dual-connect boundary screens can be used as a support in place of a leg. They are not for use with height-adjustable worksurfaces.
▶Page 80

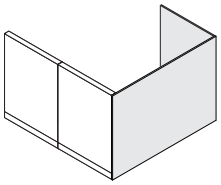
Applications using split boundary screens must use dual connections on both sides, or a single connection on each side.

Boundary screens cannot attach to an Answer end-of-run junction where an Answer panel and beam foot is being used.

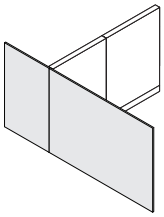
Boundary screens can attach to panels with frameless glass application.
Tip: Use the base junction height as the connecting panel height.

Boundary screens are not for use with wall starts.

One single-sided boundary screen may be attached at the end of the Answer panel. If the intent is to have a boundary screen in both directions of the panel, use either spanning or split boundary screens.



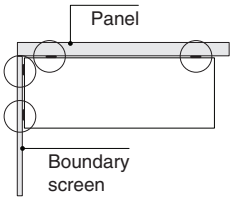
Single-sided and split boundary screens are available left and right handed. This is determined by the user facing the attaching Answer panel. Left sided application is shown above.



Split boundary widths do not have to be symmetrical.

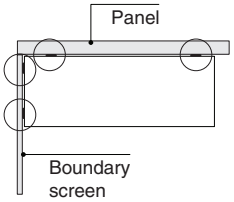
Dual-connect boundary screens of any configuration must always utilize both connection points to ensure stability.

Dual-connect split and spanning boundary screens must have a properly secured worksurface and/or storage units on each side of the Answer panel to make a second connection.



When dual-connect screens are attaching to a worksurface, the worksurface must attach to the panel in two points along the back or sides of the panel.
Tip: The second connection must be within 6" of the end of the panel-supported worksurface. Connection point to worksurface must have a flat back edge.

When using boundary screens with low storage, the storage must be attached to the panel using storage-to-panel connectors. Storage units must be 1.5-High or higher. The storage must be connected to the panel at the opposite end of the boundary screen.

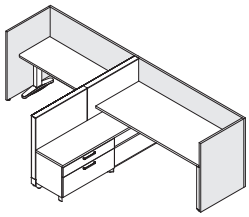


Worksurface supports cannot overlap with the secondary dual-connect bracket.

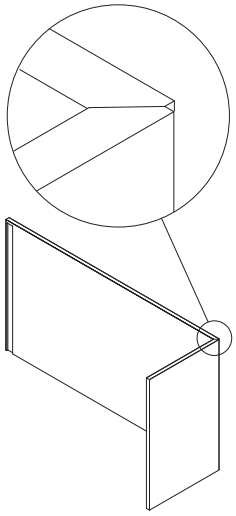
If storage specified on one side of an Answer panel does not have a storage to panel connection, the boundary screen must be single-connect.

Side support bracket can be used adjacent to dual-connect boundary screens and Answer panel connections at the end-of-run junction.
Tip: Other panel-mounted supports such as a cantilever will not fit.

Answer Boundary Screens, continued



Applications that have a panel connected work-surface on one side and a freestanding table on the other side of the panel must use single-connect boundary screens.



All L return boundary screens have a step miter detail at the adjoining edge.

Understanding Panels—Square and Oval Trim

Statement of Line 86

Product Details

- Answer Panel Overview—Square and Oval Trim 90
- Panel Buildups 91
- Base Junctions—Square and Oval Trim 92
- Change-of-Height—Square and Oval Trim 96
- Off-Module Panel Connector—Square and Oval Trim 98
- Stacking Junctions—Square and Oval Trim 100
- Base Horizontal Frame Packages—Square and Oval Trim 104
- Stacking Horizontal Frame Packages—Square and Oval Trim 108
- Frameless Glass Screens—Square Trim Only 110
- 12"H Panel Top Screens For Use on Panels with Square Trim 112
- 12"H Panel Top Screens For Use on Panels with Oval Trim 113
- Panel Packages—Square and Oval Trim 114

Stability Guidelines 148

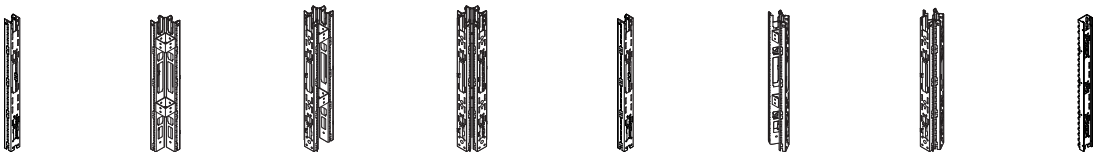
Statement of Line



Understanding
▶ Page 92
Specifying
▶ Pages 430–438

Base Junctions—Square and Oval Trim

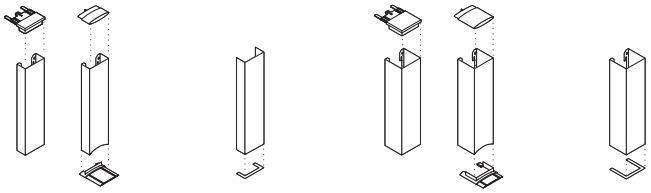
	In-Line Base Junctions	L-Base Junctions	T-Base Junctions	X-Base Junctions	End-of-Run Base Junctions	V-Base Junctions	Y-Base Junctions	Wall-Start Junctions
30"H	●	●	●	●	●	●	●	
42"H	●	●	●	●	●	●	●	●
48"H	●	●	●	●	●	●	●	●
54"H	●	●	●	●	●	●	●	●
66"H	●	●	●	●	●	●	●	●
78"H	●	●	●	●	●	●	●	●



Understanding
▶ Page 100
Specifying
▶ Pages 441–445

Stacking Junctions—Square and Oval Trim

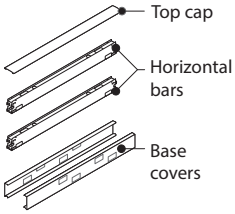
	Stacking In-Line Junctions	Stacking L Junctions	Stacking T Junctions	Stacking X Junctions	Stacking End-of-Run Junctions	Stacking V Junctions	Stacking Y Junctions	Wall-Start Junctions
12"H	●	●	●	●	●	●	●	●
18"H	●	●	●	●	●	●	●	●
24"H	●	●	●	●	●	●	●	●



Understanding
▶ Page 96
Specifying
▶ Pages 452–454

Change-of-Height Trim—Square and Oval Trim

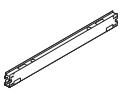
	Standard Slim Profile	Stacking Slim Profile	Standard Cable Routing	Stacking Cable Routing
12"H	●	●	●	●
18"H	●	●	●	●
24"H	●	●	●	●
30"H	●	●	●	●
36"H	●	●	●	●



Understanding
▶ Page 104
Specifying
▶ Pages 456 and 458

Base Horizontal Frame Packages—Square and Oval Trim

18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
●	●	●	●	●	●	●	●

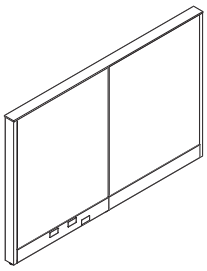


Understanding
▶ Page 108
Specifying
▶ Page 459

Stacking Horizontal Frame Packages—Square and Oval Trim

18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
●	●	●	●	●	●	●	●

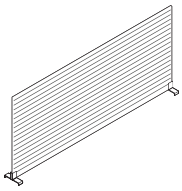
Statement of Line, continued

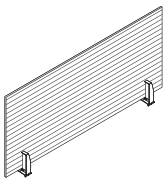


Understanding
▶ Page 104
Specifying
▶ Page 460

Spanning Top Caps—Square Trim

36"W	42"W	48"W	60"W	72"W	78"W	84"W	90"W	96"W
●	●	●	●	●	●	●	●	●



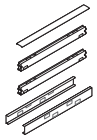


Understanding
▶ Pages 112 and 113
Specifying
▶ Page 462

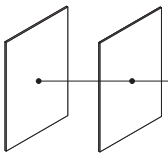
Panel Top Screens—Square and Oval Trim

	24"W*	30"W	36"W	42"W	48"W
12"H	●	●	●	●	●

**Tip: 24"W is only available for panel top screens with square trim.*



Horizontal frame package



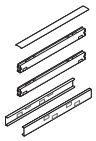
Side 1 Side 2

Performance Tackable Acoustical Skins

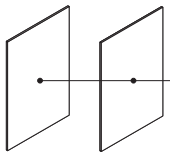
Understanding
▶ Page 114
Specifying
▶ Pages 464 and 466

Performance Tackable Acoustical Panel Packages—Square and Oval Trim

	18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
42"H	●	●	●	●	●	●	●	●
48"H	●	●	●	●	●	●	●	●
54"H	●	●	●	●	●	●	●	●
66"H	●	●	●	●	●	●	●	●



Horizontal frame package



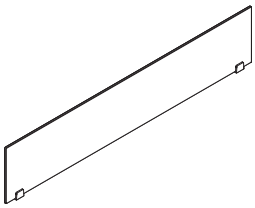
Side 1 Side 2

Tackable Acoustical Skins

Understanding
▶ Page 114
Specifying
▶ Pages 464 and 466

Tackable Acoustical Panel Packages—Square and Oval Trim

	18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
42"H	●	●	●	●	●	●	●	●
48"H	●	●	●	●	●	●	●	●
54"H	●	●	●	●	●	●	●	●
66"H	●	●	●	●	●	●	●	●



Understanding
▶ Page 110
Specifying
▶ Page 461

Frameless Glass Screens—Square Trim Only

	24"W	30"W	36"W	42"W	48"W	60"W	72"W	78"W	84"W	90"W	96"W
12"H	●	●	●	●	●	●	●	●	●	●	●

Answer Panel Overview—Square and Oval Trim

Panel buildups allow you to create unique configurations by mixing surface materials and colors on segmented panels. Order skins and horizontal frame packages separately.

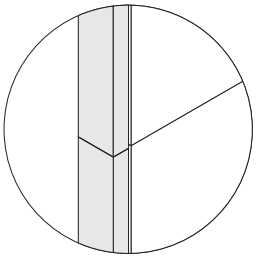
Panel frame is made up of two major elements—vertical base junctions and base horizontal connecting bars. Vertical junctions are ordered separately.

Stacking components can be used on both panel buildups and panel packages.

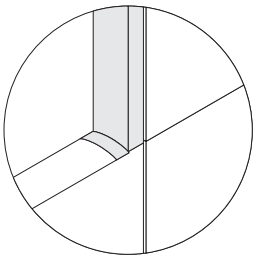
Panel packages are used to create common configurations quickly and easily. Packages include a horizontal frame package and skins for both sides of the panel.

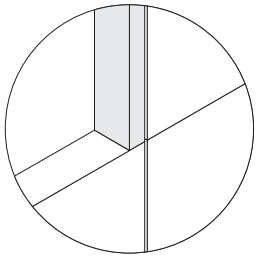
Stacking change-of-height trim has a straight bottom edge to fit on top of standard change-of-height trim.
▶ Page 96

Stacking horizontal frame package must be used with stacking junctions.
▶ Page 108

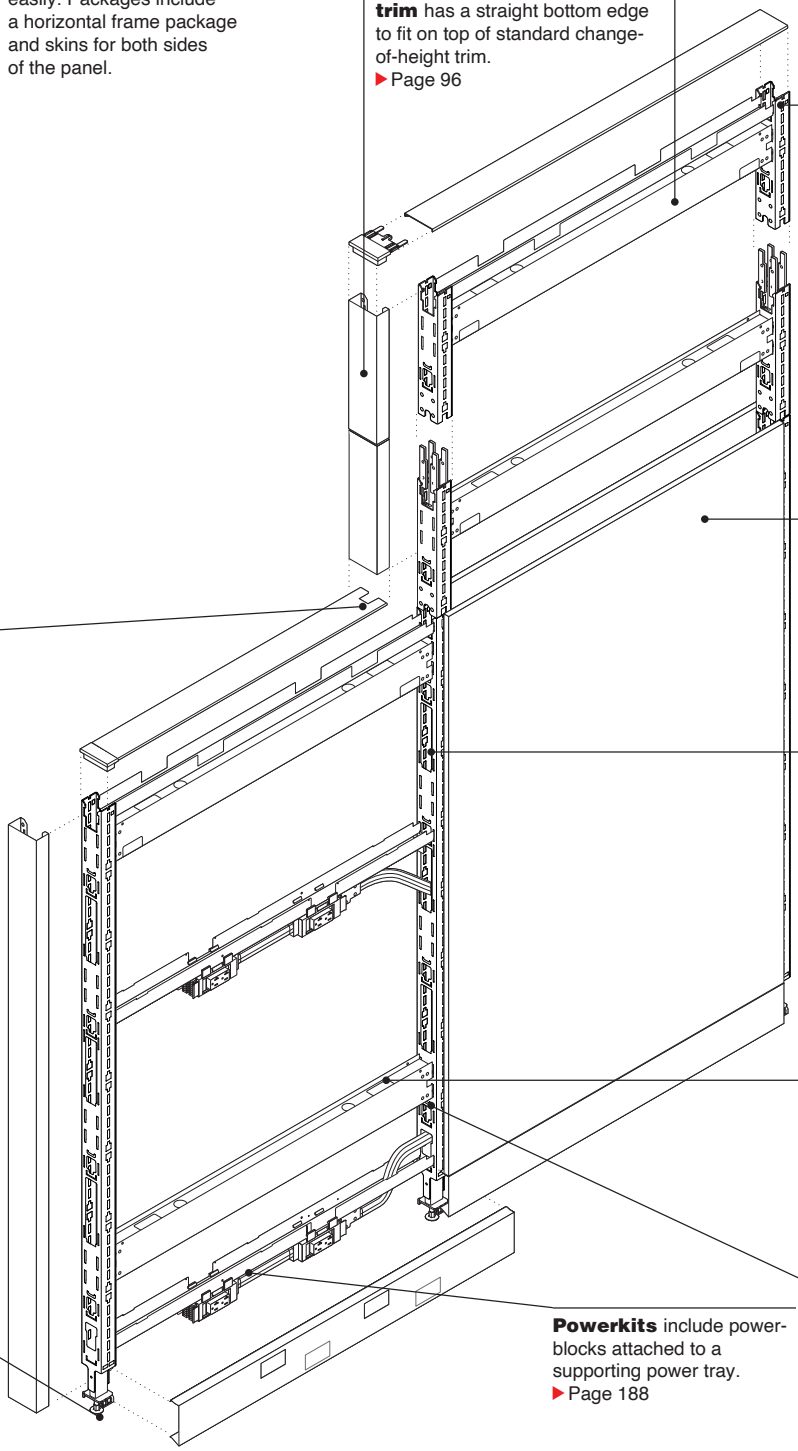


Standard change-of-height trim has either a rounded bottom edge to fit the curve of oval panel top caps or a straight edge to fit square panel top caps.
▶ Page 96





Leveling glides adjust to install panels on uneven floors. Range is 2¾".



Stacking junctions are always shared by adjacent panels and can be used in panel buildups and panel packages. They are available for in-line, L, T, V, X, Y, and end-of-run configurations.
▶ Page 100

Skins attach to frame without tools and can be removed and repositioned easily.
▶ Page 124

Base junctions, are always shared by adjacent panels. They are available for in-line, L, T, V, X, Y, and end-of-run configurations. Wall-start junctions and off-module connectors are also available.
▶ Page 92

Base horizontal connecting bars lock into the vertical junctions at the top and the bottom location of base junction to provide structural stability for the panels.
▶ Page 104

Powerkits include powerblocks attached to a supporting power tray.
▶ Page 188

Alternate powerkit harness routing can be accommodated through the junction opening. In in-line applications installed on uneven floors, route harness through junction opening to prevent harness from being exposed.

Actual Dimensions

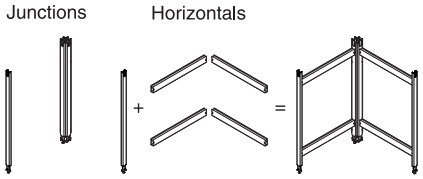
Height 29⅜", 41¾", 47$^{15}/_{16}$", 54⅛", 66$^{15}/_{32}$", and 78$^{27}/_{32}$"

Note: Height is minimum from floor to top of top caps. Leveling glides can extend 2¾".

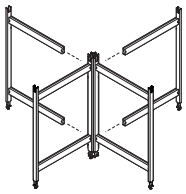
Panel Buildups

Order panel components separately to create unique configurations.

1. Begin by planning your frames. Junctions determine height and horizontal connecting bars determine width.

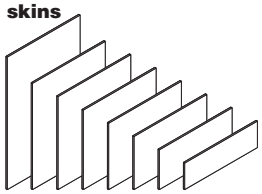


1a. Corner junctions can easily be reconfigured by adding or removing a junction post (available on junctions shipped on or after October 10, 2011).

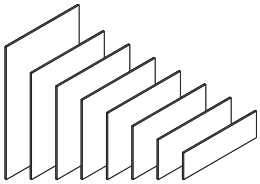


2. Order skins for both sides of panel.
Exception: Windows accommodate both sides of the panel.

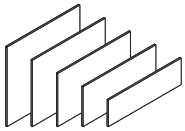
Performance tackable acoustical fabric-covered skins



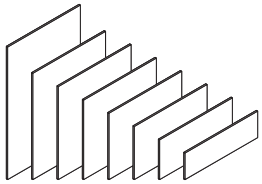
Tackable acoustical fabric-covered skins



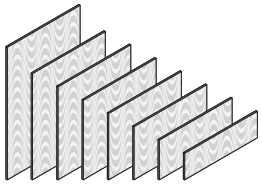
Steel skins (12"H, 18"H, and 24"H have ribbed and perforated options)



Laminate skins

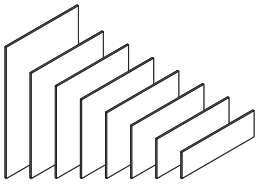


Wood skins

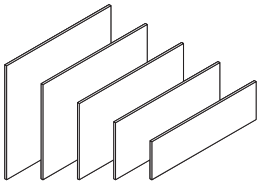


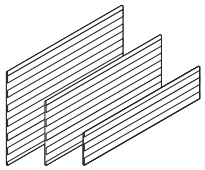
Tip: Wood skin sets are available for 42", 48", 54", and 66" panel heights.

Back painted glass skins

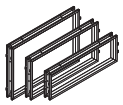


Markerboard skins



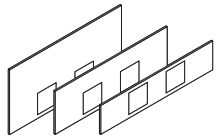


Slatwall

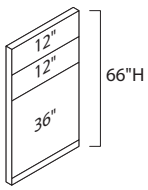


Windows

Answer allows a wide variety of skin arrangements to meet specific functional and aesthetic needs. Skins are not dedicated to a specific location and can be used anywhere on the face of the panel.



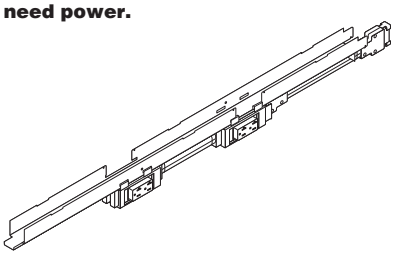
Technology skins



When planning skin segments, add skin heights together and add an additional 6" for total height.

Skins = 12" + 12" + 36" = 60"
Trim = 6"
Total = 66"H

3. Specify powerkits where you will need power.



Base Junctions—Square and Oval Trim

Base junctions complete the structure of panel packages and panel buildups. Answer panels always share a junction with adjacent panels. You order the style of junction you need separately.
▶ Specifying square and oval, page 430

Junction cap is included with junction when needed. Caps are available in two styles: square or oval.

Corner junction cap aligners ensure correct fit with adjacent panel top caps.

Opening in top of junction allows lay-in cable routing beneath top caps.

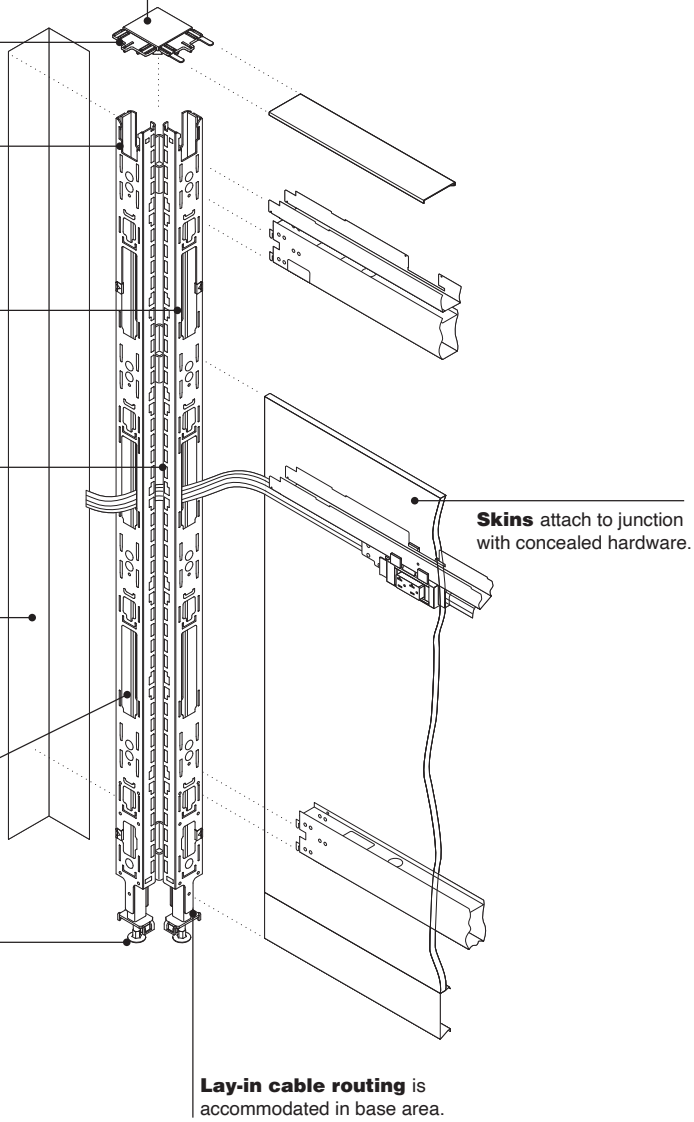
Slots in junction accept the panel's horizontal bars every 12", cable trays every 6", and powerkits every 12" vertically.

Slotted channels in junction accommodate worksurface supports and overhead storage components at 1" increments.

Trim is included with L, T, V, and end-of-run junctions to finish exposed surfaces. Trim is standard with paint and available with fabric wrapped or wood veneer options.

Large openings are used to route power through an L, T, X, V, or Y base junction.

Leveling glides adjust to install panels on uneven floors. Range is 2¾".



Skins attach to junction with concealed hardware.

Lay-in cable routing is accommodated in base area.

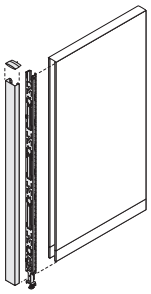
Actual Dimensions

Depth	3"
Height	28 7/16",* 40¾", 47", 53⅛", 65½", and 77⅜"

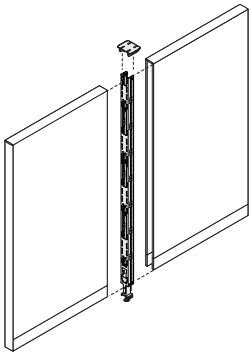
*Note: Wall-start junctions are not available 28 7/16".

Product Details

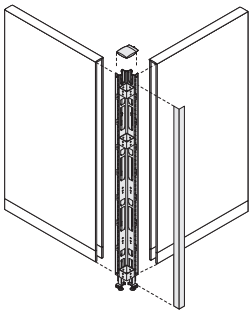
Answer is available with three styles of top trim - thin, square, and oval. Base junctions are specified with desired style. Styles can not be mixed between adjacent panels.



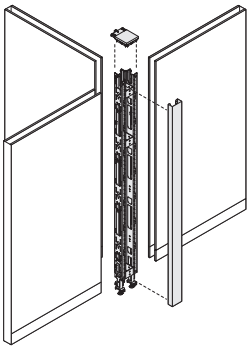
End-of-run base junction includes junction, vertical trim, and junction cap. Select square or oval style trim. End-of-run trim adds 1" to footprint.



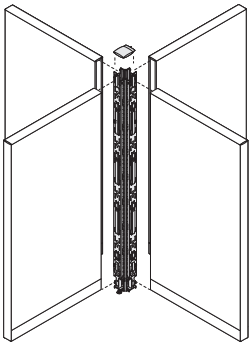
In-line base junction includes junction and plastic top cap aligner. Select square or oval style trim.



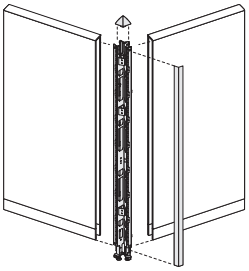
L-base junction includes junction, vertical trim, junction cap, and plastic top cap aligner. Select square or oval style trim.



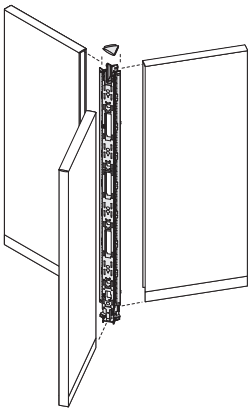
T-base junction includes junction, vertical trim, junction cap, and two plastic top cap aligners. Select square or oval style trim.



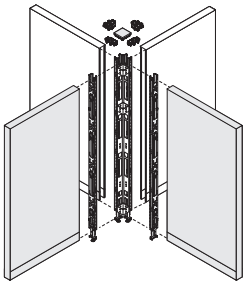
X-base junction includes junction, junction cap, and three plastic top cap aligners. Select square or oval style trim.



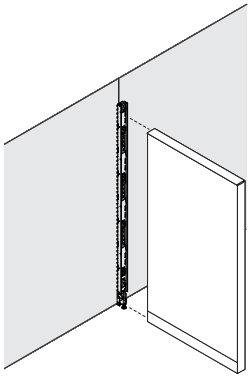
V-base junction includes junction, vertical trim, junction cap, and plastic top cap aligner. Select square or oval style trim.



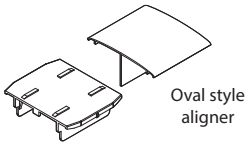
Y-base junction includes junction, junction cap, and two plastic top cap aligners. Select square or oval style trim.



Posts can be added or removed from corner junctions to change from one corner to another.

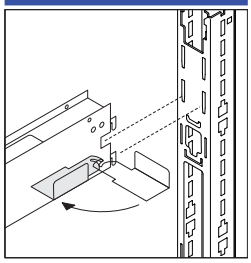


Wall-start junction secures to the stud in a structural wall or drywall fasteners can be used. Vertical trim is not needed. Also used in off-module applications. Wall-start junction does not add any dimension to panel run.

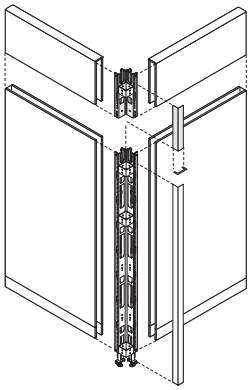


An in-line top cap aligner is included with in-line junctions. Select square or oval style.

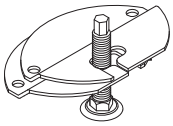
Connections



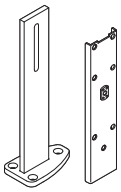
Quick lock on both ends of the panel's horizontal connecting bars engage the junction in a tight structural connection.



Base junctions can accept a stacking junction of the same type only. *Example: An L-base junction will accept an L-stacking junction.*



Floor anchor brackets are available to secure junctions to the floor to prevent panel movement. Brackets are intended for use in seismic zones and may require additional code approvals.

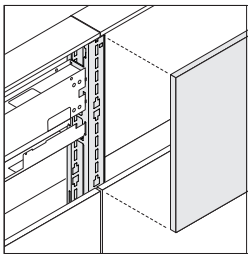


Junction stabilizer bracket can be used to add rigidity to a panel run or when using a Universal sliding door. Bracket must be bolted to a concrete floor. For junctions manufactured before October 10, 2011 use TS7SB. For junctions manufactured on or after October 10, 2011 use TS7SBNJ.

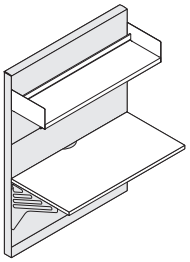
Bracket foot is visible on one side of panel when installed.

Junction stabilizer bracket blocks power routing in the panel base and just above the base areas. The bracket covers the slots on the junction where the powerkit connects in these two zones. It also blocks the ability for a powerkit harness, pass-through powerkit, or modular harness to route in the base area from an adjacent panel.

Junction stabilizer bracket also blocks lay in of cables in base area of panel.

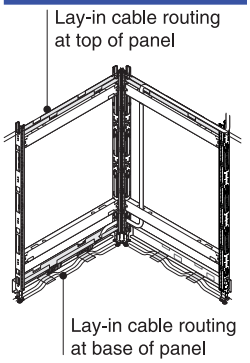


Skins extend onto junction and meet skin of adjacent panel. The slotted channel of the junction is accessible between these two skins.



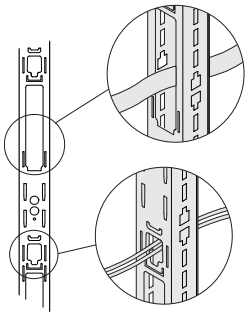
Panels can support worksurfaces, shelves, and bins.

Wiring and Cabling

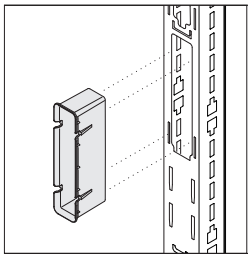


Lay-in cable routing is accommodated in the top of junctions. Lay-in cable and power routing is accommodated in base area.

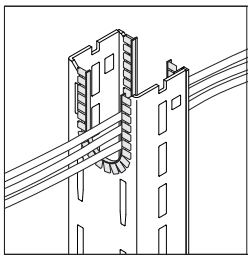
Base Junctions—Square and Oval Trim, continued



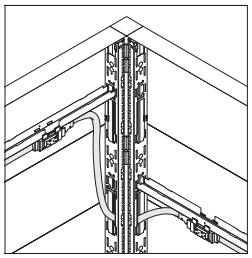
As an alternative to lay-in cable routing, horizontal routing of power and cables can be accommodated through openings in junctions.



Junction tall sleeves can be ordered to cover the exposed metal edges in the large cable routing opening of junctions. Tall junction sleeve can only be used on junctions manufactured on or after October 10, 2011.



Lay-in junction cable sleeves can be added in the field to cover the exposed metal edges in lay-in cable space.



Modular harnesses that are 43" or 80" are available to change the height at which you are routing power kits or to route power from the panel base to different heights.

Surface Materials

Base junction
- Black paint

Tip: Junction is hidden when properly installed.

Junction cap—Square
- Paint
- Wood

Junction cap—Oval
- Plastic
- Wood

Vertical trim
- Paint (standard)
- Fabric (option)
- Wood (option only if wood junction cap is specified.)

Tip: Answer panel wood trims are only available with quarter-cut finishes with the exception of maple finishes. Maple on wood trims is only available with flat-cut finishes. For ordering simplicity, both flat-cut and quarter-cut finishes can be specified on panel trims. However, for all finishes except maple, if a flat-cut finish is selected, the trims will have the coordinating quarter-cut finish. For maple finishes, if quarter-cut is selected, the trims will have the coordinating flat-cut finish. Blending panel trims with other wood products that have flat-cut finishes may be visually acceptable for most applications. If a more exact match is desired for non-maple finishes, please specify quarter-cut finishes for the entire project. If a more exact match is desired for maple finishes, please specify flat-cut finishes for the entire project.

Fabric application is standard in the warp horizontal direction. Warp vertical direction is available as an option.
▶See *Specification Guidelines for Directional Fabrics*, page 730, for more information.

Application Topics

Stacking junctions can be used with any height base junction.

Stability Guidelines for application rules.
▶See page 148

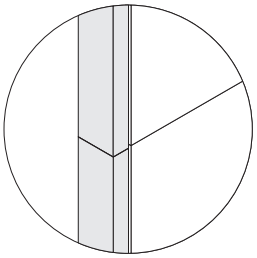


Carpet gripper glide caps may be added to panel glides to help hold panel in place (used only on junctions manufactured on or after October 10, 2011).

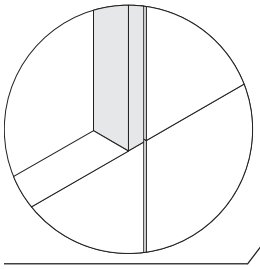
Change-of-Height—Square and Oval Trim

Change-of-height trim is available for base panels and stacking panels. It is used in in-line and corner applications.
▶ Specifying square and oval, page 452

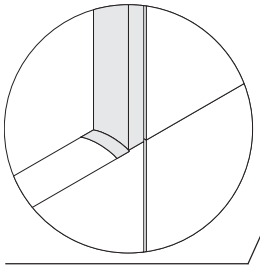
Stacking change-of-height trim has a straight bottom edge to fit on top of standard change-of-height trim.



Oval standard change-of-height trim has a rounded bottom edge to fit the curve of top caps.



Top cap on lower panel must be change-of-height. Remember to specify the change-of-height top cap option on the lower panel for either square or oval trim applications.

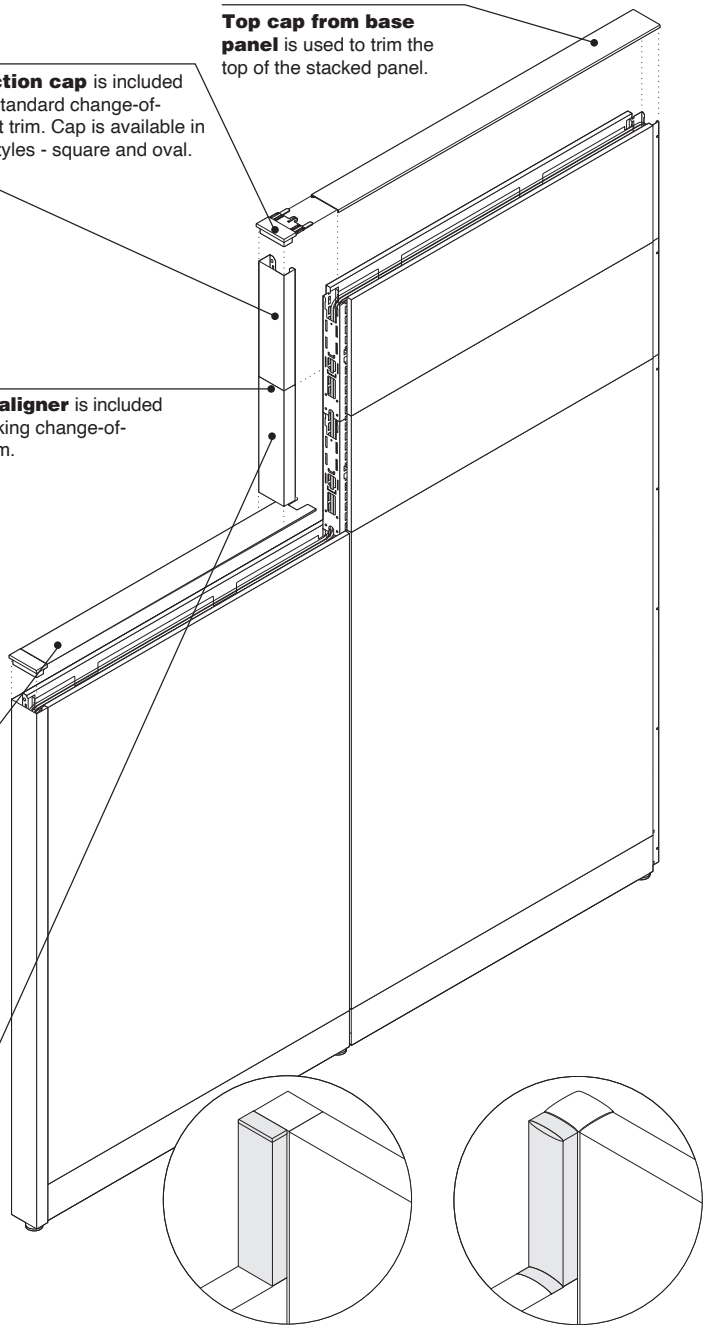


Square standard change-of-height trim has a square bottom edge to fit square top caps.

Junction cap is included with standard change-of-height trim. Cap is available in two styles - square and oval.

Top cap from base panel is used to trim the top of the stacked panel.

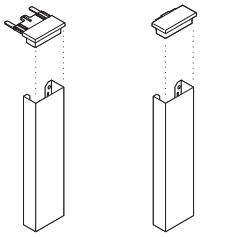
Plastic aligner is included with stacking change-of-height trim.



L-junction application square trim

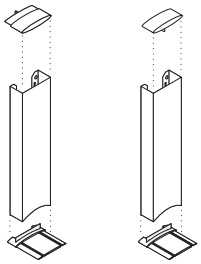
L-junction application oval trim

Product Details



In-line application | Corner application

Square standard slim trim includes junction cap. In-line or corner application must be specified. Available in 12"H, 18"H, 24"H, 30"H, and 36"H.



In-line application | Corner application

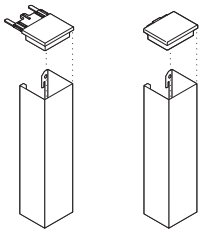
Oval standard slim trim includes junction cap and top cap filler. Plastic filler is not the same filler that ships with cable-routing trim. In-line or corner application must be specified. Available in 12"H, 18"H, 24"H, 30"H, and 36"H.



Stacking slim trim includes plastic aligner and works with both square and oval trim styles. Available in 12"H, 18"H, and 24"H.

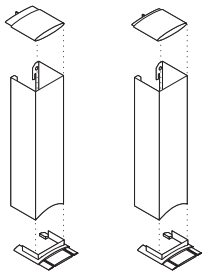
Actual Dimensions

	Standard slim profile	Stacking slim profile	Standard cable-routing	Stacking cable-routing
Depth	3"	3"	3"	3"
Width	1⅛"	1⅛"	2¼"	2¼"
Height	12 5/32", 18 5/16", 24½", 30 11/16", and 36⅞"	12 5/32", 18 5/16", and 24½"	12 5/32", 18 5/16", 24½", 30 11/16", and 36⅞"	12 5/32", 18 5/16", and 24½"



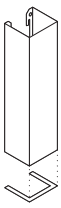
In-line application | Corner application

Square standard cable-routing trim includes junction cap. In-line or corner application must be specified. Available in 12"H, 18"H, 24"H, 30"H, and 36"H.



In-line application | Corner application

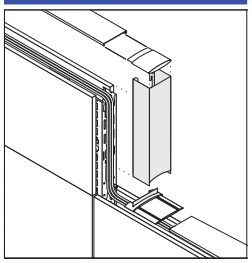
Oval standard cable-routing trim includes junction cap and top cap filler. Plastic filler is not the same filler that ships with slim trim. In-line or corner application must be specified. Available in 12"H, 18"H, 24"H, 30"H, and 36"H.



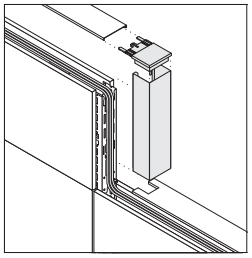
Stacking cable-routing trim includes plastic aligner and works with both square and oval trim styles. Available in 12"H, 18"H, and 24"H.

36"H standard change-of-height trim is the tallest trim available. If the area you need to trim is taller than 36"H, use stacking change-of-height trim.

Wiring & Cabling



Oval cable-routing trim allows lay-in cable routing in change-of-height applications.



Square cable-routing trim allows lay-in cable routing in change-of-height applications.

Surface Materials

Change-of-height trim
- Paint
- Fabric (option)
- Wood veneer (option)

Fabric application is standard in the warp horizontal direction. Warp vertical direction is available as an option.
▶See *Specification Guidelines for Directional Fabrics*, page 730, for more information.

Square junction cap
- Paint
- Wood

Oval junction cap and filler
- Plastic
- Wood

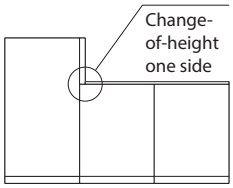
Aligner
- Black plastic only

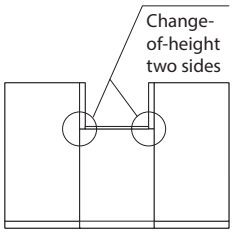
Application Topics

Change-of-height top cap option must be specified on the lower panel.

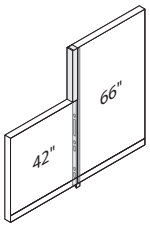
Square trim top caps have a notch in one or both ends to accommodate change-of-height applications.

Oval trim top caps are shortened on one or both ends to accommodate change-of-height applications.

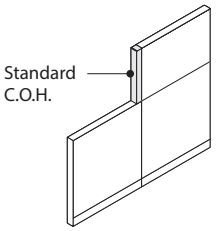




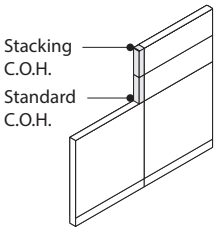
Specify change-of-height top caps at one end unless the panel is adjacent to taller panels on both sides. Then specify a top cap change-of-height on both ends.



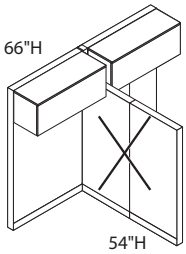
Specify the tallest height junction to connect your panels. A 66"H junction would be shared between these panels.

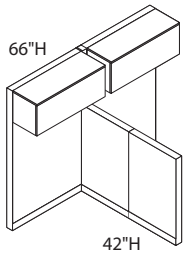


When stacking only one panel on your base panel with square or oval trim, always use standard change-of-height trim.



When stacking more than one panel on your base panel, use standard change-of-height trim on the first tier. Only the second tier requires stacking change-of-height trim.

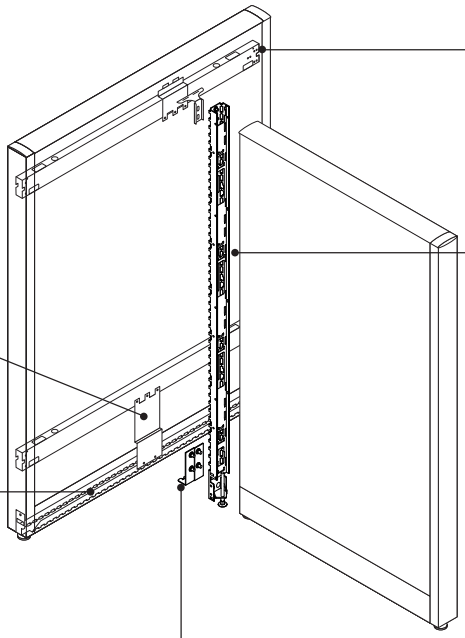




Change-of-height fin wall with wood top trim must be at least 24" lower than the spine wall when using an Answer or Universal overhead bin on both sides of the fin wall.

Off-Module Panel Connector—Square and Oval Trim

Off-module panel connectors allow a fin wall to be attached off-module to a spine wall in 1" increments.
▶ Specifying, page 440



Top brackets attach to top horizontal connecting beam and secure top of the wall-start junction. If fin wall is 12", 18", or 24" shorter than spine wall, the top horizontal connecting bar can be lowered to attach brackets.

Wall-start junction must be ordered separately.

Bottom bracket attaches to lower horizontal connecting beam and secures to lower portion of bottom channel.

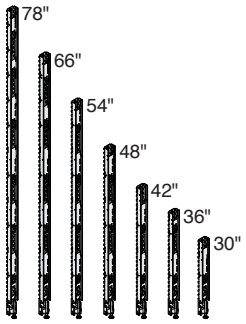
Bottom channel has slots in 1" increments to attach panel off-module. Channel must match width of panel and be attached between two junctions.

Bottom bracket for wall-start junction attaches the junction and bottom channel to secure the lower portion of the wall-start junction.

Actual Dimensions

Width 22½", 34½", 40½", 46½", 58½", and 70½"

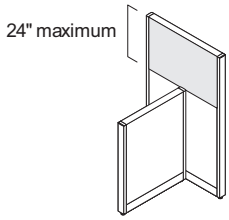
Product Details



Wall-start junctions connect to the off-module panel connectors to start a panel run off from the spine. Available in 42"H, 48"H, 54"H, 66"H, and 78"H. Wall-start junction must match the height of the fin wall. Wall-start junctions are ordered separately.

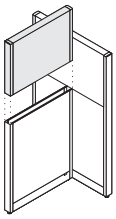
Connections

Off-module fin wall must always be the same height, or shorter than the spine wall.



When fin wall is more than 24" shorter than the spine wall, an additional horizontal beam must be added to the spine wall at the same height as the fin wall. Order a stacking horizontal frame kit.

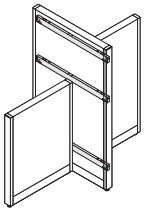
Spine wall skins must be segmented with a seam matching the height of the shorter fin wall. This allows access to the top bracket and the spine wall horizontal beam.



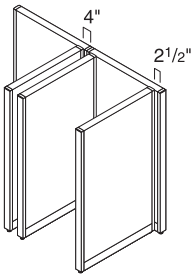
When stacking on the fin panel, the spine wall skins must be segmented with a seam matching the height of the fin base panel.

When stacking wall-start junctions in an off-module application, the off-module panel connector connects to the base wall-start junction.

Two off-module panels can be connected back to back at the same location.

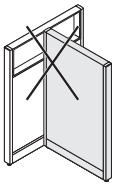


When connecting two off-module fins at different heights on either side of the spine panel, an additional horizontal beam must be ordered and installed at the same height of the shorter fin panel.



An off-module fin wall cannot connect flush to the end of a panel in the spine wall. The closest connection point will leave a 3" tail on the spine including the end-of-run trim.

An off-module fin wall cannot attach at a junction in the spine wall. There is a 2" area of dead space on either side of the junction rendering a total of 4" dead space.



An off-module fin wall cannot be installed over a window that is located at the top of a spine panel.

Wiring & Cabling

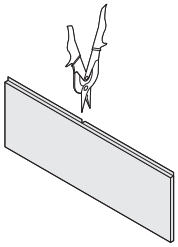
Wiring and cabling components cannot be routed internally from a spine wall to an off-module fin wall without cutting openings in the spine wall skin. *Tip: It is recommended that you route wiring and cabling through the spine wall.*

Internode power components should be used to bring power from the spine wall to the workstation.
▶See *Post and Beam Specification Guide.*

Surface Materials

Off-module bracket
- Black paint

Tip: Bracket is hidden when properly installed.



Off-module installation requires field modification of the light seal on the top skin. Surface covering is not affected.

Application Topics

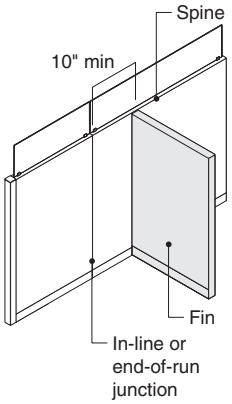
Stability Guidelines for Application Rules
▶Page 148

Stacking junctions can be used with any height base junction.

Bins, shelves, and worksurfaces cannot be attached off-module.

Off-module panel connector works with both square and oval style trims. Top cap filler included in package is only used with oval style trims. Square style trims do not require a top cap filler.

When using a wall-start junction manufactured before October 10, 2011 with an off module panel connector manufactured on or after October 10, 2011 the "old" bottom bracket must be used. It can be ordered from Service Parts, part number T500938MP. If using an old off-module panel connector manufactured before October 10, 2011 with a wall-start junction manufactured on or after October 10, 2011 the bottom bracket included with the off module panel connector should be used.



When using frameless glass on a spine panel with a same height off-module panel connections, the off-module cannot connect within 10" of an end of run or in-line junction connection.

Stacking Junctions—Square and Oval Trim

Stacking junctions allow you to adjust the panel heights within a workstation.
▶ Specifying square and oval, page 441

Junction top cap is standard on base panel junctions. Use the same top cap in stacking configurations.

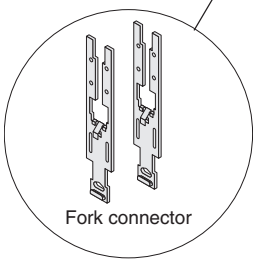
Stacking junctions are always shared by adjacent panels. They are available for in-line, L, T, V, X, Y, end-of-run, and wall-start configurations.

Stacking horizontal frame package, specified separately, must be used with stacking junctions. Each package includes one horizontal connecting bar.

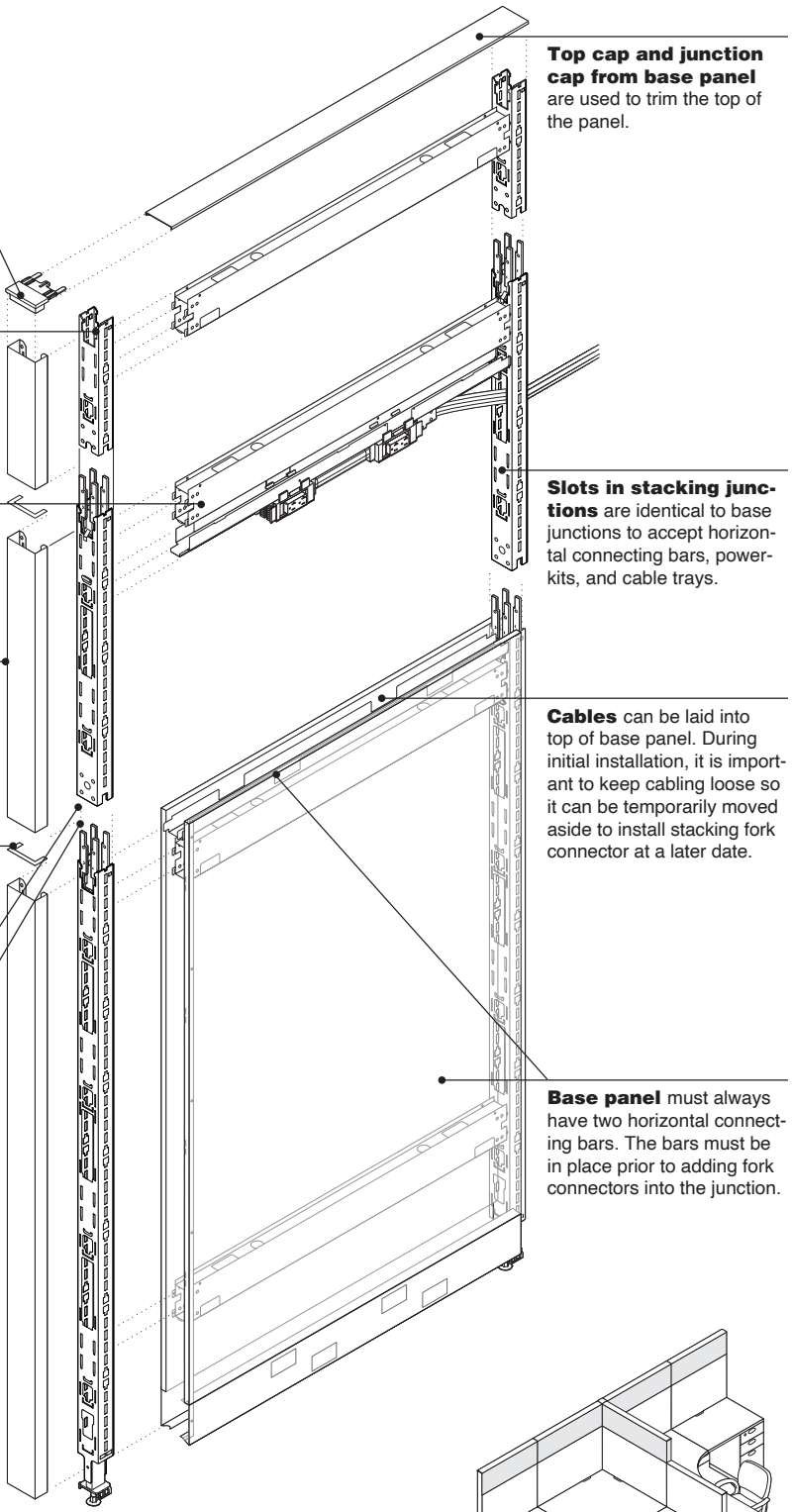
Stacking junction trim is included with L, T, V, and end-of-run stacking junctions. Stacking end-of-run trim adds 1" to footprint.

Plastic aligner is included with L, T, V, and end-of-run stacking junctions.

Fork connectors are included with stacking junction for proper connection to the base panel.



Fork connector



Top cap and junction cap from base panel are used to trim the top of the panel.

Slots in stacking junctions are identical to base junctions to accept horizontal connecting bars, powerkits, and cable trays.

Cables can be laid into top of base panel. During initial installation, it is important to keep cabling loose so it can be temporarily moved aside to install stacking fork connector at a later date.

Base panel must always have two horizontal connecting bars. The bars must be in place prior to adding fork connectors into the junction.

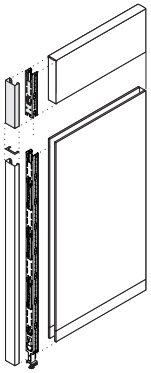
Actual Dimensions

Depth	3"
Height	12⅜", 18½", and 24¾"

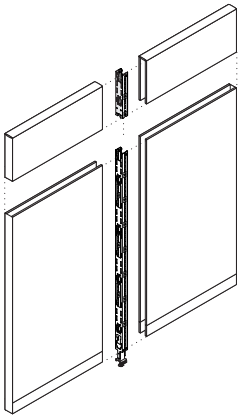
Product Details

All existing base panels can accept a stacking junction.

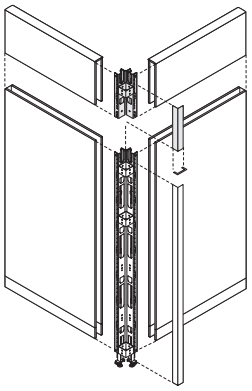
Aligner is included with fabric-wrapped vertical trim but may not be needed depending on the thickness of the fabric.



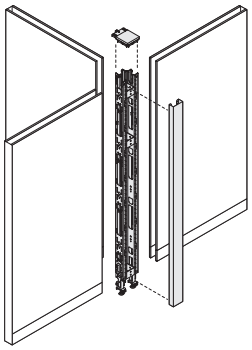
End-of-run stacking junction includes junction, fork connectors, vertical trim, and plastic trim aligner. End-of-run stacking trim adds 1" to footprint.



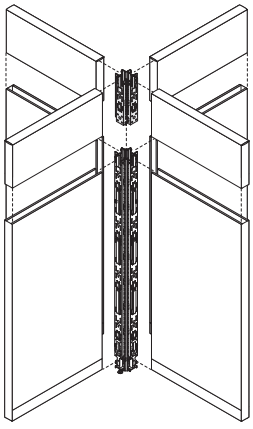
In-line stacking junction includes junction and fork connectors.



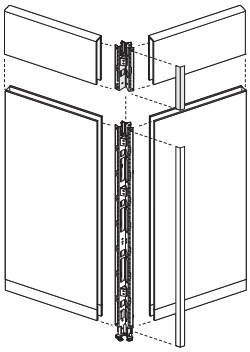
L-stacking junction includes junction, fork connectors, vertical trim, and plastic trim aligners.



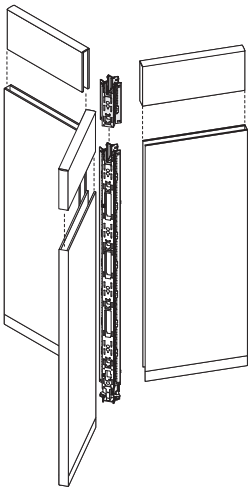
T-stacking junction includes junction, fork connectors, vertical trim, and plastic trim aligners.



X-stacking junction includes junction and fork connectors.

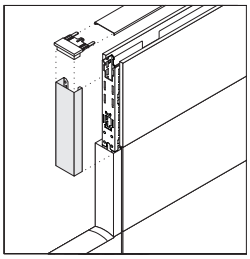


V-stacking junction includes junction, fork connectors, vertical trim, and plastic trim aligners.



Y-stacking junction includes junction and fork connectors.

Full L, T, V, and end-of-run square and oval vertical trim is available through Service Parts in 30", 42", 48", 54", 66", and 78" heights if a segmented visual on the trim is not desired.

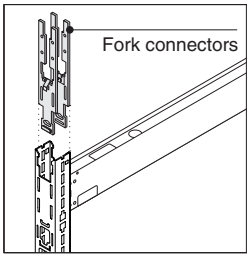


Stacking change-of-height trim is used when you stack on a change-of-height configuration. The bottom edge of stacking trim is straight so it can join with the top of the standard change-of-height trim. Oval standard change-of-height trim is rounded at the bottom to fit around the top cap of the lower panel. Square standard change-of-height trim has a straight bottom edge to fit with square top trim.
▶Page 454

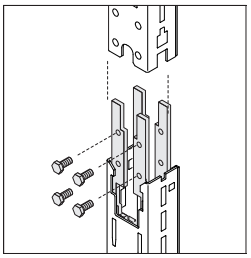
Standard skins, cable trays, and powerkits are used in stackable solutions. To maximize the benefits of stackability, consider matching the skin height to the stacking junction height.

Connections

Skins on base panel do not need to be removed to install a stacking junction in most cases.

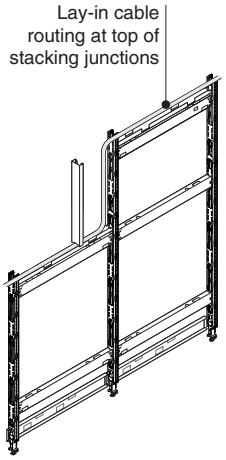


Fork connector is included with stacking junction for proper connection to the base panel. Two fork connectors are included with each in-line, end-of-run, L, and V stacking junctions, three are included with T and Y stacking junctions, and four are included with X stacking junctions. One fork connector is included with each wall-start stacking junction.

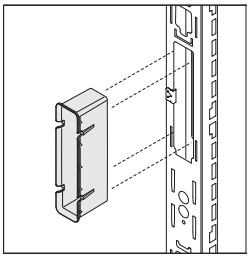


Fork connectors secure into the base junction. Stacking junction is bolted to fork connectors.

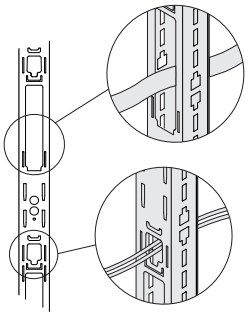
Wiring & Cabling



Lay-in cable routing is accommodated in top of stacking junctions.



Junction tall sleeve can be ordered to cover the exposed metal edges in the large cable routing openings of junctions manufactured on or after October 10, 2011.



As an alternative to lay-in cable routing, horizontal routing of power and cables can be accommodated through openings in stacking junctions.

Powerkit installation for stacking components is the same process as for installation in base panels.

Surface Materials

Stacking junction
- Black paint

Tip: Junction is hidden when properly installed.

Vertical trim
- Paint
- Vertical surface fabric (option)
- Wood veneer (option)

Stacking Junctions—Square and Oval Trim, continued

Application Topics

Stacking Stability Guidelines provides detailed information on applications.
▶ Page 148

Maximum height that can be stacked on a base panel is 36", consisting of one 24"H and one 12"H, or two 18"H stacking junctions.

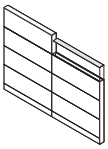
Maximum height that an Answer panel configuration can reach is 90".

Maximum number of stacking junctions that can be added to a base panel is two.

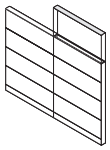
Any height base panel can be used with stacking junctions.

Bins and shelves can hang from the first stacked tier only.

For initial installations order the appropriate top cap for your stacked segment, while you are specifying the base panel.



Change-of-Height Top Cap



Standard Top Cap

For retrofit installations you will have to order a new top cap through Service Parts based on application changes.

When adding stacking junctions to base panels made prior to January 2000, you must replace vertical trim on end-of-run base junction. We recommend replacement of L base junction trim and standard change-of-height trim because the new trim can be easily removed, while the existing trim will be trapped by the stacking junction. To determine if you have trim made prior to January 2000, remove trim piece. If there are hooks at the top of your trim, you need to replace it. Replacement trim is available through Service Parts.

Consolidation point kit cannot be used with stacking components.

Stacking Junctions—
Square and Oval Trim

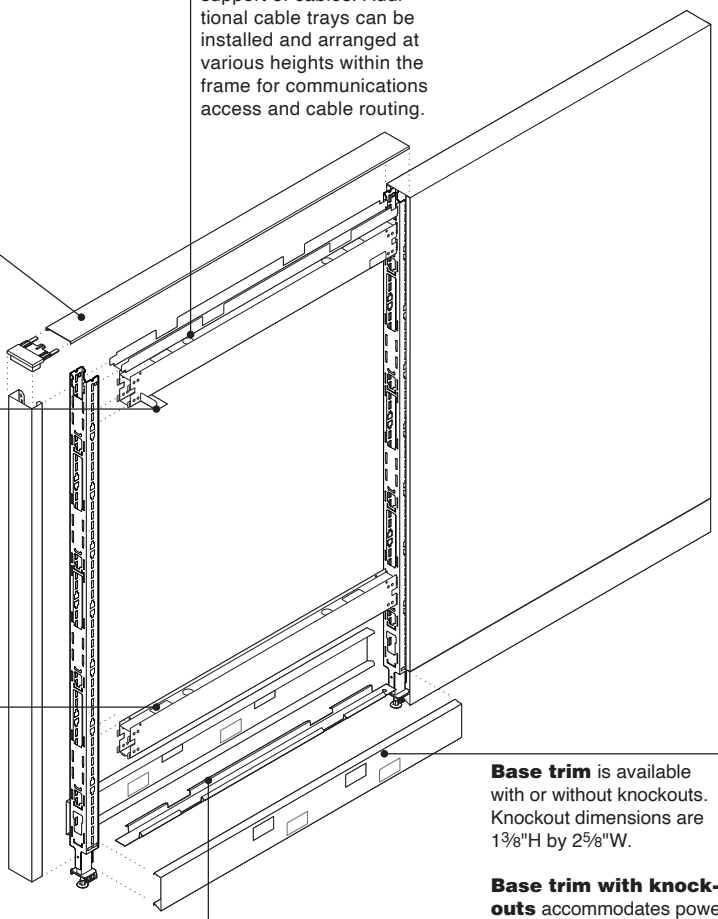
Base Horizontal Frame Packages—Square and Oval Trim

Base horizontal frame packages include horizontal connecting bars that lock into vertical junctions and complete the structure of a panel. A top cap and pair of base trims are also included. Cable tray and base cable tray are available as options.
▶Specifying square and oval, pages 456 and 458

Optional cable tray can be used for additional support of cables. Additional cable trays can be installed and arranged at various heights within the frame for communications access and cable routing.

Top cap snaps onto top of panel skins. Two styles of top cap are available - square and oval. Top caps to accommodate change-of-height are also available. Wood veneer is available as an option.

Quick lock connects horizontal bars to vertical junctions for quick assembly.



Horizontal connecting bars lock into vertical junctions. The top bar can be lowered in 12" increments to a maximum of 24" from the top position. The bottom bar must always be positioned in the lowest slot in a junction.

Base trim is available with or without knockouts. Knockout dimensions are 1⅜"H by 2⅝"W.

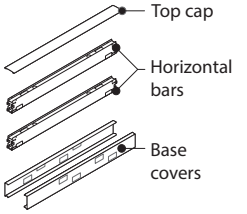
Base trim with knockouts accommodates power and communication terminations. Top knockout is for power, bottom knockout is for communication. Filler to close unused openings is available from Service Parts (TS7BTFSR).

Optional base cable tray can be used to support lay-in of cables.

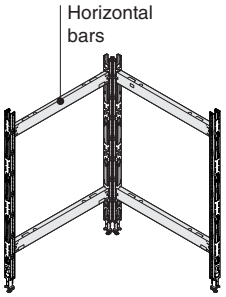
Actual Dimensions

Width	17 15/16", 23 15/16", 29 15/16", 35 15/16", 41 15/16", 47 15/16", 59 15/16", and 71 15/16"
Base trim height	3¾"
Receptacle Opening	
Width of opening	2⅝"
Height of opening	1⅜"

Product Details

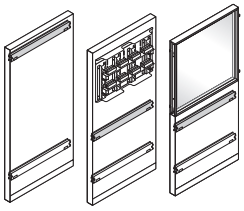


Horizontal frame packages are available when you want to build up your own panel. The package includes all the components of a panel except the skins so you can order the skins separately to mix combinations of skin surface materials and colors. These frame packages do not include vertical junctions. Cable trays and base cable trays are optional.

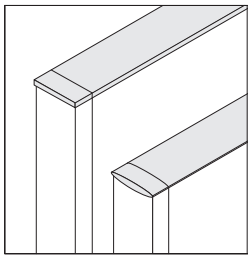


Two horizontal connecting bars must be used in each base panel.

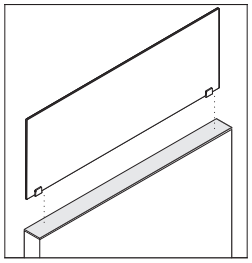
Horizontal bars determine panel width. They are not dedicated to a specific panel height; any horizontal bar can be used or reused with any junction height.



Top horizontal bar may be lowered to allow for a 12"H, 18"H, or 24"H glass window or consolidation point kit to be placed at the top of the panel. Bottom horizontal bar in base panel must remain in lowest position.



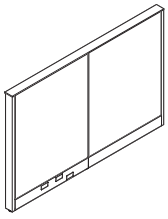
Top caps are available in three styles - thin, square, and oval. This section is about square and oval trims. Horizontal frame packages should be specified with square or oval trim. Thin, square, and oval top caps can not be mixed between adjacent panels.



Omit top cap option is available on square trims and should be selected when adding a frameless glass screen to the top of the panel or when spanning a single top cap across multiple panels.

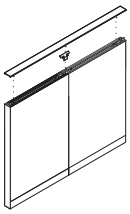
Spanning top caps are available for square style trims.

When spanning a single top trim across multiple panels, select the omit top cap option and specify a spanning top cap separately. Top cap width must match total width of spanned panels.



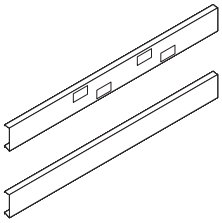
Spanning top caps can only be used in an in-line condition. They cannot span over a corner junction.

Spanning top caps can be used on any panel height.

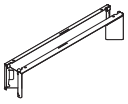


In-line spanning top cap lightseals should be specified separately for each in-line panel joint the top cap spans.

Omit base trim option should be selected when using skins to the floor or open base trim.



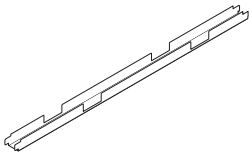
Base trims are available with or without knockouts. Base trims with knockouts accommodate power and communication terminations. Plain base trims with no knockouts do not.



Open base trims are available. They do not accommodate power and data routing or entry in the base. Open base trim can only be added on a junction manufactured on or after October 10, 2011.

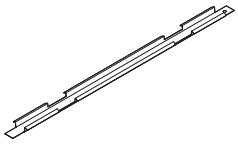
Open base trims are specified by omitting base trims and ordering open base trim kit separately.

Open base trims occupy the same space as the standard base trims. Open base trims occupy the bottom 3¼" of the panel; the height of the opening is 2½".



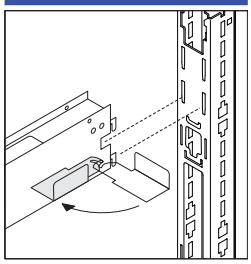
Cable tray can be positioned every 6" vertically above the base to support cable routing.

Cable tray can accept added cable carriers attached below tray to expand horizontal cable management options.
▶ See *Montage Specification Guide* for cable carrier (ZCC).



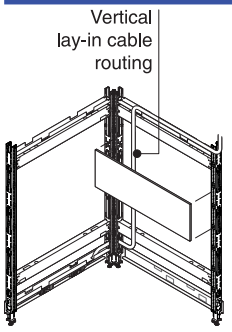
Base cable tray is used only in the base to support lay-in cable routing in the base. Base cable tray cannot be used if omit base trim option is selected for one or both sides of panel or if open base trim is used.

Connections

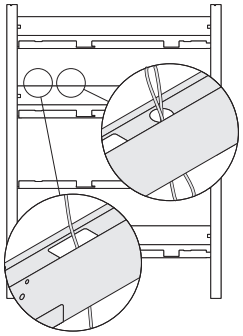


Quick lock on both ends of the panel's horizontal connecting bars engage the junction in a tight structural connection.

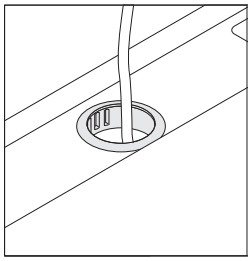
Wiring & Cabling



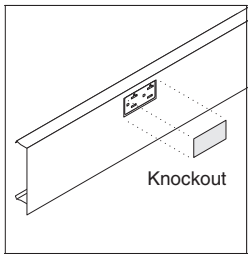
Vertical lay-in cable routing can be accommodated behind skins.



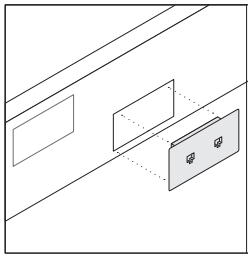
As an alternative to lay-in cable routing, vertical routing of power and cables through panel interior can be accommodated by openings in horizontal connecting bars. Also, see lay-in utility packages for vertical lay-in of power and cables.
▶ Page 176



Feed-through horizontal connecting bar cable sleeves can be added in the field to finish the exposed metal edges of vertical cable pass-through openings.



Knockouts in base trim can be removed in the field where needed. Knockout dimensions are 1⅜"H by 2⅝"W.



Communication outlets attach to openings in panel base trim. Order communication outlets from an outside vendor. Knockouts for communication in base accommodate modular furniture size only.

Base Horizontal Frame Packages—Square and Oval Trim, continued

Surface Materials

Top cap and base trim

- Paint color chosen on base trim will also apply to the top cap. They are not chosen independently.
- Wood veneer (option on top cap)

Tip: Answer panel wood trims are only available with quarter-cut finishes with the exception of maple finishes. Maple on wood trims is only available with flat-cut finishes. For ordering simplicity, both flat-cut and quarter-cut finishes can be specified on panel trims. However, for all finishes except maple, if a flat-cut finish is selected, the trims will have the coordinating quarter-cut finish. For maple finishes, if quarter-cut is selected, the trims will have the coordinating flat-cut finish. Blending panel trims with other wood products that have flat-cut finishes may be visually acceptable for most applications. If a more exact match is desired for non-maple finishes, please specify quarter-cut finishes for the entire project. If a more exact match is desired for maple finishes, please specify flat-cut finishes for the entire project.

Horizontal connecting bars

- Black paint

Tip: Components are hidden when properly installed.

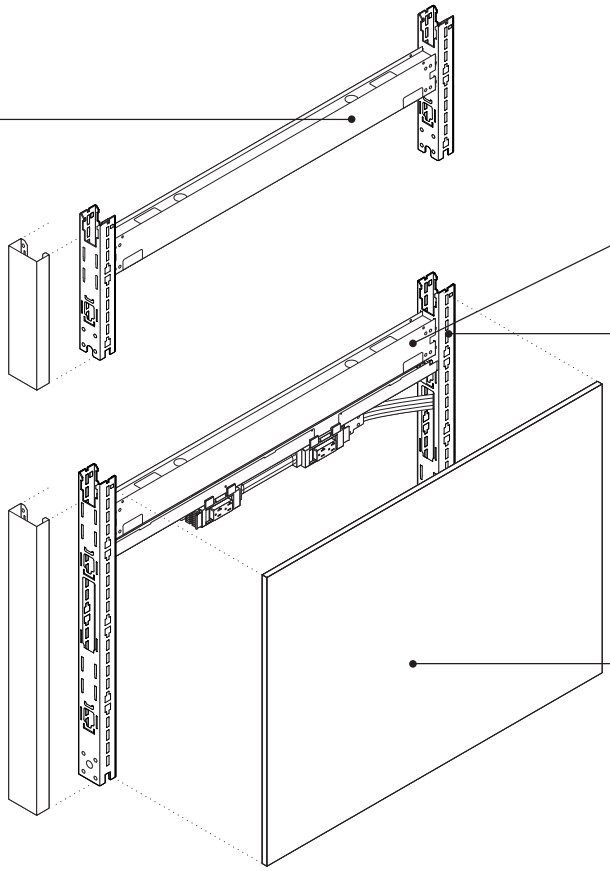
Application Topics

Use a cable tray to provide extra support for 60"W and 72"W full skins where people may lean against the panel.

Base Horizontal Frame Packages—Square and Oval Trim

Stacking Horizontal Frame Packages—Square and Oval Trim

Stacking horizontal frame package provides structural stability for stacking junctions.
▶ Specifying, page 459



Horizontal connecting bar is included with each stacking horizontal frame package.

Each stacking segment must have one horizontal connecting bar.
Exception: If a window is used with stacking junctions, a horizontal connecting bar is not needed.

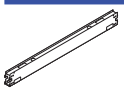
Each stacking junction is specified separately.
▶ Page 441

Skins, ordered separately, are added to both sides of stacking frame.

Actual Dimensions

Width 17¼", 23¼", 29¼", 35¼", 41¼", 47¼", 59¼", and 71¼"

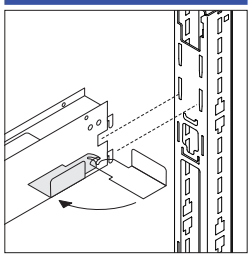
Product Details



Stacking horizontal frame package includes one horizontal connecting bar. Stacking junction is not included.

Stacking horizontal frame package is available in eight widths— 18", 24", 30", 36", 42", 48", 60", and 72"—to match panel width. These horizontal connecting bars are identical to those in horizontal frame packages and can be re-used with any type of junction.

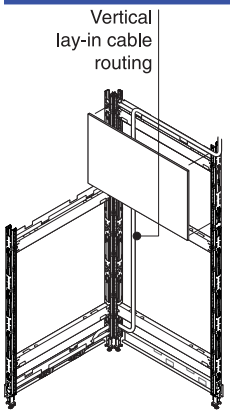
Connections



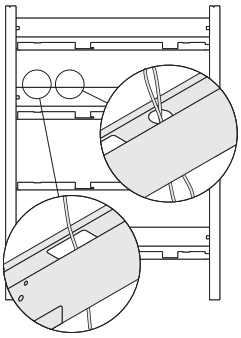
Quick-lock mechanism on the horizontal connecting bar engages the stacking junction in a tight structural connection.

Base panel must always have two horizontal connecting bars.

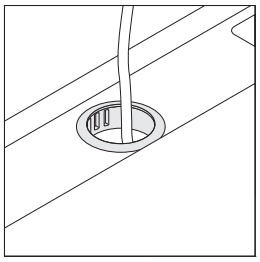
Wiring & Cabling



Vertical lay-in cable routing can be accommodated behind skins.



Vertical routing of power and cables through panel interior is accommodated by openings in horizontal connecting bars.



Feed-through horizontal connecting bar cable sleeves can be added in the field to finish the exposed metal edges of vertical cable pass-through openings.

Power kit installation for stacking components is the same process as for installation in base panels.

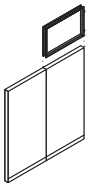
Surface Materials

Stacking horizontal frame package

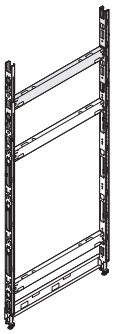
- Black

Tip: Components are hidden when properly installed.

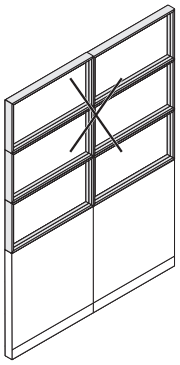
Application Topics



When stacking a 12"H, 18"H, or 24"H window, a stacking horizontal frame package is not needed. Remember, the base panel always has two horizontal connecting bars for support.



When double stacking junctions, each stacking junction must have a horizontal beam.



No more than two windows can be stacked on top of each other.

Consolidation point kit cannot be used with stacking components.

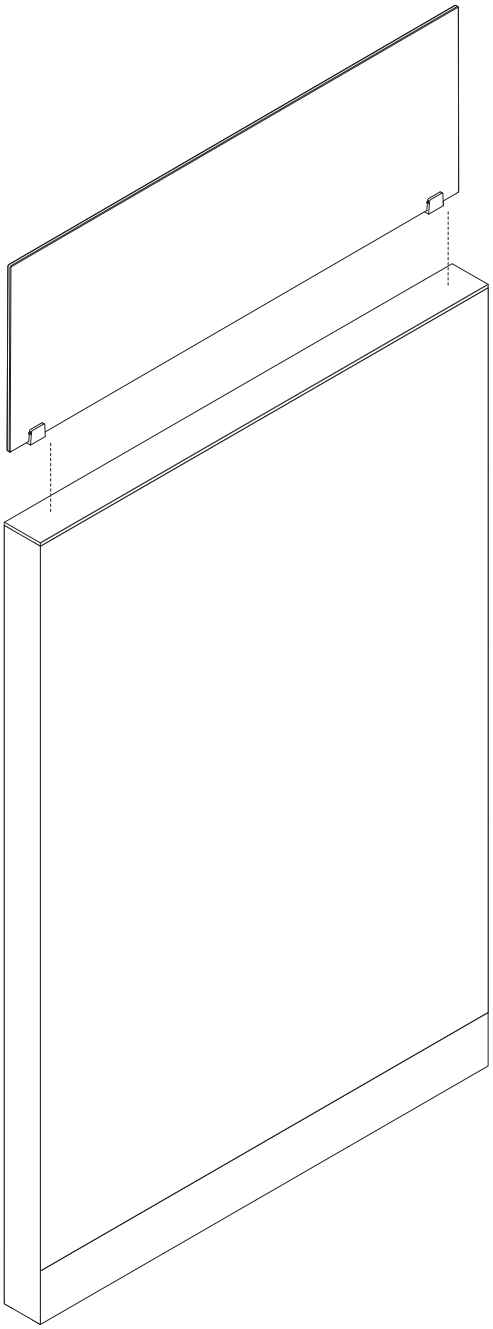
Stacking horizontal frame package is used when additional horizontal bar is needed in off-module application. See off-module guidelines.

Stacking Stability Guidelines provides detailed information on applications.
▶ Page 148

Frameless Glass Screens—Square Trim Only

Frameless glass screen can be added to the top of a panel to help define space and provide some privacy while still providing access to natural light and promoting communication between adjacent workers.

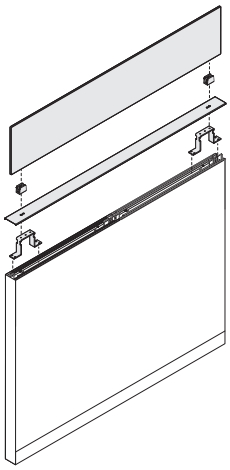
▶ Specifying, page 461



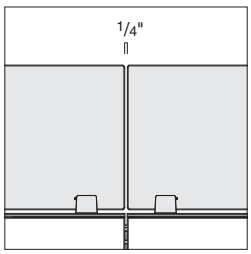
Product Details

Frameless glass screen is secured to horizontal connecting bar by supports below the top cap and brackets above the top cap. Two brackets are used above the top cap to attach the glass to the panel on 24"–60"W panels. Three brackets are used on panels 78" and wider.

Frameless glass can be used on panels with thin or square profile trim.



Frameless glass kit includes glass screen, brackets, supports, and top cap with holes to accommodate brackets.



Gap between adjacent glass screens is 1/4".

Actual Dimensions

Glass Width – standard: 23 3/4", 29 3/4", 35 3/4", 41 3/4", 47 3/4", 59 3/4", 71 3/4", 77 3/4", 83 3/4", 89 3/4", and 95 3/4"

Glass Width – change-of-height one end square trim: 22 1/2", 28 1/2", 34 1/2", 40 1/2", 46 1/2", 58 1/2", 70 1/2", 76 1/2", 82 1/2", 88 1/2", and 94 1/2"

Glass Height: 11 3/4"

Glass Thickness: 3/8"

Surface Materials

Glass
- 6500 Clear Glass
- 6530 Frosted Glass

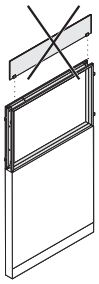
Tip: Frosted glass is a laminated construction. There may be variation in color, texture, and finish between the sample of 6530 Frosted Glass and the actual product.

Brackets
- Paint

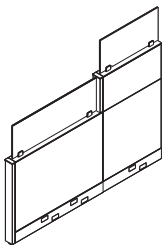
Top cap
- Paint
- Wood veneer

Application Topics

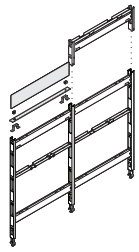
Frameless glass screen can be placed on the top of a panel only. Top beam in the panel must be located in the top position of the frame in order to support frameless glass. Frameless glass can be used on base panels or stacking panels.



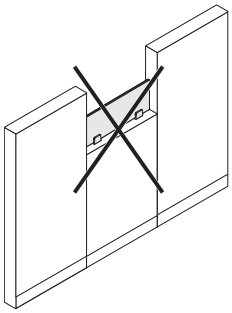
Frameless glass screen cannot be used when a window is located in the top position of the panel.



Change-of-height top cap option is available to allow for positioning of glass next to change-of-height trim on one side only. Glass is shortened and top cap provided supports change-of-height slim one end only.

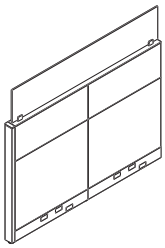


When using frameless glass on a 48"H panel in a change-of-height condition with a taller panel, the taller panel must use a 48"H base junction and stacking junction to achieve the taller height to allow correct upper horizontal beam placement.

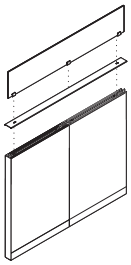


Frameless glass screen will not fit between two change-of-height trims.

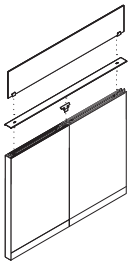
Frameless glass kit is available without glass screen to accommodate customer's own glass. See chart of field installed glass size requirements for specific dimensions required for glass to fit in frameless glass brackets. Steelcase recommends the use of safety glass meeting ANSI 297.1 for field installed glass. Check with your local building authority for requirements in your area.



A single frameless glass screen can span over two or more panels.



90" and 96" wide frameless glass screen kits include three brackets. Two brackets attach to supports below the top cap. The third bracket attaches only to the top cap through a hole that is drilled in the top cap by the installer on site.



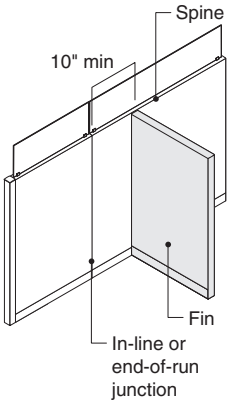
In-line spanning top cap lightseal must be specified separately when used in this application. Spanning top cap lightseal attaches to underside of top cap to fill space between skin lightseals. Specify one for each in-line junction the frameless glass screen spans.

A template tool is available from Service Parts (T511082SR) to assist in locating where holes are to be drilled on the beam of an existing panel to allow supports to be attached. This only applies to beams produced prior to September 2009. Beams produced after this date include holes to allow frameless glass supports to be attached.

Field-Installed Glass Size Requirements

Style Number	Maximum Height	Maximum Width	Thickness Range (min-max)
Standard			
TS71224SFG	11 3/4"	23 3/4"	.350-.400"
TS71230SFG	11 3/4"	29 3/4"	.350-.400"
TS71236SFG	11 3/4"	35 3/4"	.350-.400"
TS71242SFG	11 3/4"	41 3/4"	.350-.400"
TS71248SFG	11 3/4"	47 3/4"	.350-.400"
TS71260SFG	11 3/4"	59 3/4"	.350-.400"
TS71272SFG	11 3/4"	71 3/4"	.350-.400"
TS71278SFG	11 3/4"	77 3/4"	.350-.400"
TS71284SFG	11 3/4"	83 3/4"	.350-.400"
TS71290SFG	11 3/4"	89 3/4"	.350-.400"
TS71296SFG	11 3/4"	95 3/4"	.350-.400"
Change-of-Height – one end slim			
TS71224SFG	11 3/4"	22 1/2"	.350-.400"
TS71230SFG	11 3/4"	28 1/2"	.350-.400"
TS71236SFG	11 3/4"	34 1/2"	.350-.400"
TS71242SFG	11 3/4"	40 1/2"	.350-.400"
TS71248SFG	11 3/4"	46 1/2"	.350-.400"
TS71260SFG	11 3/4"	58 1/2"	.350-.400"
TS71272SFG	11 3/4"	70 1/2"	.350-.400"
TS71278SFG	11 3/4"	76 1/2"	.350-.400"
TS71284SFG	11 3/4"	82 1/2"	.350-.400"
TS71290SFG	11 3/4"	88 1/2"	.350-.400"
TS71296SFG	11 3/4"	94 1/2"	.350-.400"

Tip: Field installed glass should always be tempered. Laminated glass must not be used.

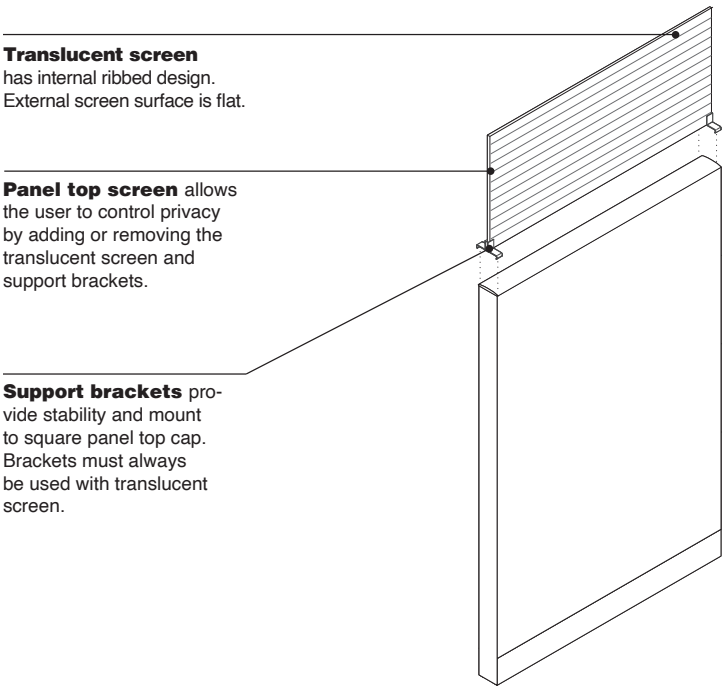


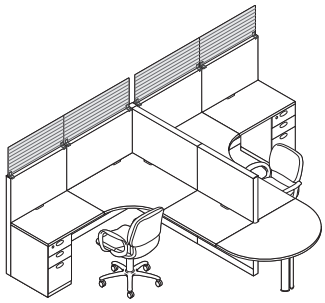
When using frameless glass on a spine panel with a same height off-module panel connections, the off-module cannot connect within 10" of an end-of-run or in-line junction connection.

12"H Panel Top Screens

For Use on Panels with Square Trim

Panel top screen can be field-installed over a painted or wood square panel top cap to provide extra visual privacy.
▶ Specifying, page 462





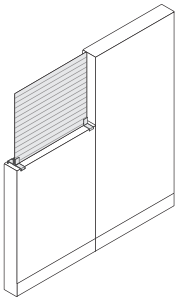
Actual Dimensions

Depth (screen)	5/16"
Width (screen)	27½", 33½", 39½", and 45½"
Height (screen)	12"

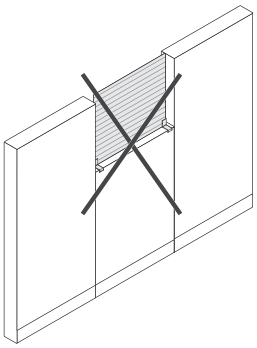
Product Details

Panel top screens are available in 24"W, 30"W, 36"W, 42"W, and 48"W dimensions to correspond with most panel widths.

Panel top screen can be mounted on painted or wood square top caps.



Change-of-height screen option must be specified when using screen adjacent to change-of-height panel trim.



Panel screen will not fit between change-of-height on both sides.

Wiring & Cabling

Power and cables cannot be routed or accessed in a panel top screen.

Surface Materials

Panel top screen
- Translucent plastic

Tip: Double wall construction and internal ribbing structure make screen read whiter and more opaque than other translucent materials.

Support brackets
- Paint

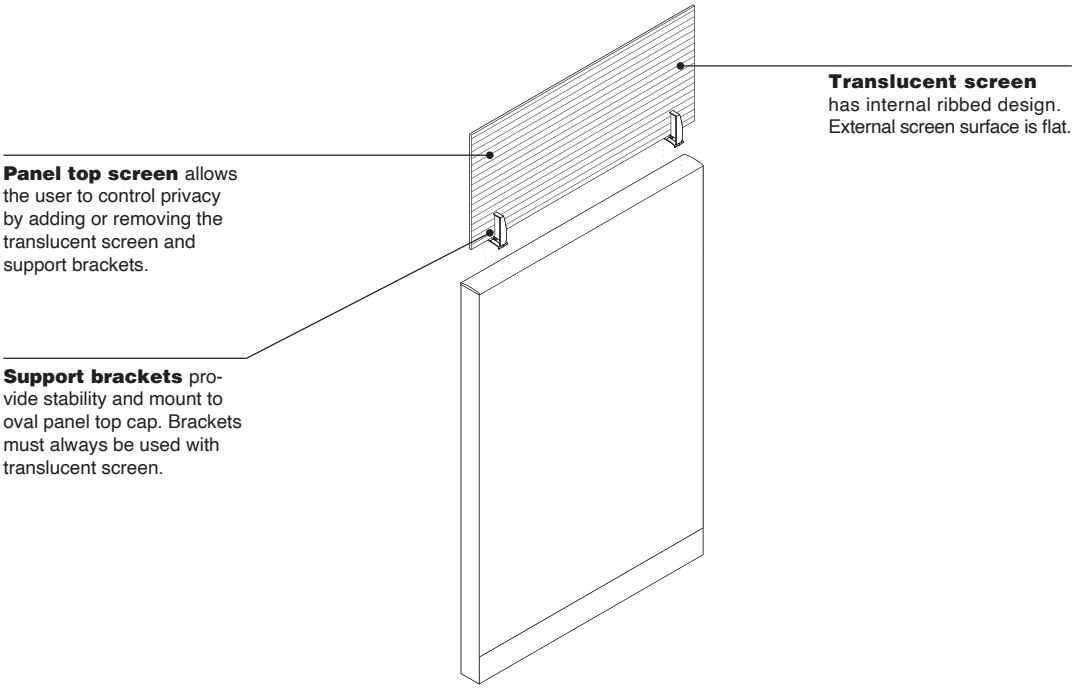
Application Topics

Support brackets must always be used with translucent screen included with this package. Other screen materials cannot be used with these brackets.

12"H Panel Top Screens

For Use on Panels with Oval Trim

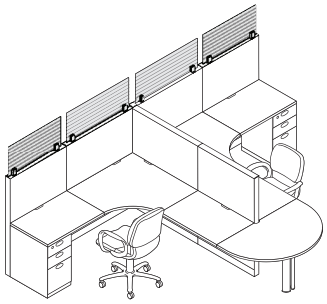
Panel top screen can be field-installed over a painted oval panel top cap to provide extra visual privacy.
▶Specifying, page 462



Translucent screen has internal ribbed design. External screen surface is flat.

Panel top screen allows the user to control privacy by adding or removing the translucent screen and support brackets.

Support brackets provide stability and mount to oval panel top cap. Brackets must always be used with translucent screen.



Actual Dimensions

Depth (screen)	5/16"
Width (screen)	27½", 33½", 39½", and 45½"
Height (screen)	12"

Product Details

Panel top screens are available in 30"W, 36"W, 42"W, and 48"W dimensions to correspond with most panel widths.

Panel top screen cannot be mounted on wood top caps.

Wiring & Cabling

Power and cables cannot be routed or accessed in a panel top screen.

Surface Materials

Panel top screen
- Translucent plastic

Tip: Double wall construction and internal ribbing structure make screen read whiter and more opaque than other translucent materials.

Support brackets
- 6623 Metallic plastic
  10/22

Application Topics

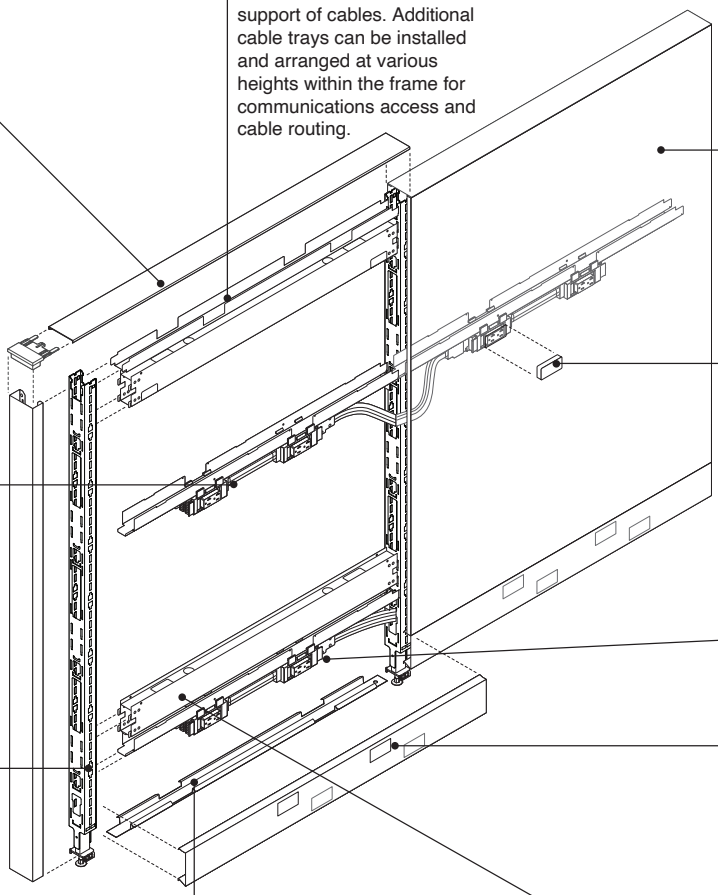
Support brackets must always be used with translucent screen included with this package. Other screen materials cannot be used with these brackets.

Panel Packages—Square and Oval Trim

Panel packages include two monolithic fabric skins and a horizontal frame package. *Tip: Answer panels always share a junction with adjacent panels. Order the style of junction you need separately.*
▶Specifying, page 464

Optional cable tray can be used for additional support of cables. Additional cable trays can be installed and arranged at various heights within the frame for communications access and cable routing.

Top cap snaps onto top of panel skins. Top caps are available in two styles – square or oval. Change-of-height top caps to accommodate change-of-height cable routing are also available. Wood veneer top cap is available as an option on both square and oval trim. Omit top cap is available as an option on square trim only.



Skins attach to frame without tools and can be removed and repositioned easily. They are not dedicated to a specific location.

Power and communication can be accessed by cutting skin in the field. Templates for cutting both receptacle and communication cutouts are available from Service Parts (T500940SR). Filler to close unwanted cutout in a skin is available from Service Parts (TS7STFSR).

Power can be field-installed every 12" vertically using powerkits.

Powerkits include powerblocks attached to a supporting power tray.
▶Page 188

Junctions, ordered separately, are always shared by adjacent panels. They are available for in-line, L, T, V, X, Y, and end-of-run configurations. Wall-start junctions and off-module connector brackets are also available.

Base cover has knockouts to accommodate power and communication terminations. Top knockout is for power, bottom knockout is for communication. Filler to close unwanted knockouts is available from Service Parts (TS7BTFSR).

Horizontal connecting bars lock into the vertical junctions at the top and the bottom location to provide structural stability for the panels.

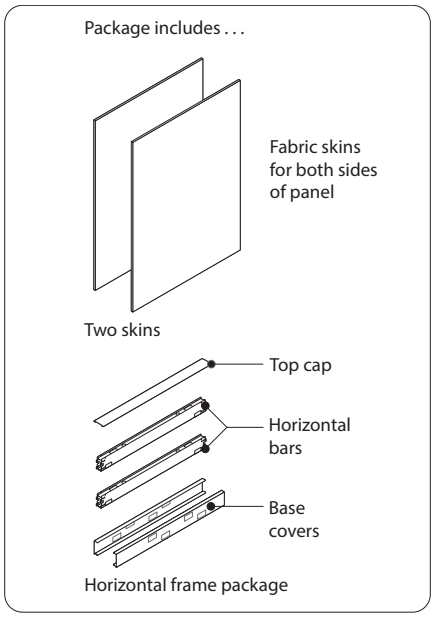
Optional base cable tray can be used to support lay-in of cables.

Actual Dimensions

Depth	3"
Width	$17\frac{51}{64}$", $23\frac{51}{64}$", $29\frac{51}{64}$", $35\frac{51}{64}$", $41\frac{51}{64}$", $47\frac{51}{64}$", $59\frac{51}{64}$", and $71\frac{51}{64}$"
Height	$41\frac{3}{4}$", $47\frac{15}{16}$", $54\frac{1}{8}$", and $66\frac{7}{16}$"

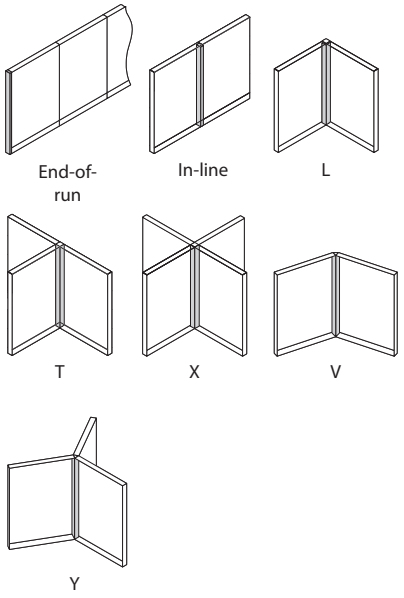
Order panel packages to create common panel configurations quickly and easily.

1. **Specify a panel package** of the width and height you need and with either square or oval top caps.

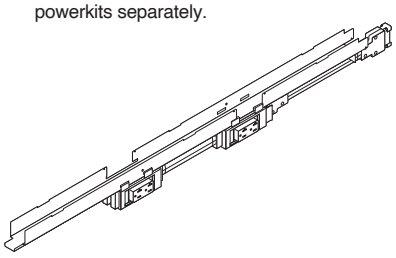


Tip: Cable trays and base cable trays are optional.

2. **Order vertical junctions** to complete panel packages and to join panels in in-line, L, T, V, X, and Y configurations and to terminate an end-of-run. Junctions are available with either square or oval trim and are always ordered separately.



3. **Specify powerkits where you will need power.** You can specify a powerkit as an option on the panel package, or you can order powerkits separately.



Understanding Shared Components

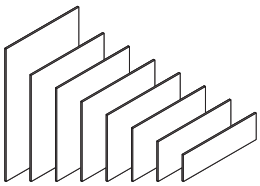
Statement of Line 118

Product Details

- Fabric-Covered Panel Skins 124
- Steel Panel Skins 126
- Markerboard Surfaces for Steel Skins 130
- Markerboard Skins 131
- Slatwall Skins 132
- Laminate Skins 134
- Wood Skins and Wood Skin Sets 136
- Back Painted Glass Skins 137
- Technology Skins and Covers 138
- Glass Windows 140
- Sliding Panel Doors 142
- Fence Connectors, Posts, and Beams 144
- Panel and Beam Foot 146

Stability Guidelines 148

Statement of Line

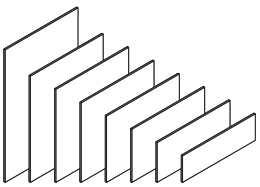


Understanding
▶ Page 124
Specifying
▶ Pages 470–474

Tackable Acoustical Fabric-Covered Panel Skins

	18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
12"H	●	●	●	●	●	●	●	●
18"H	●	●	●	●	●	●	●	●
19 3/16"H	●**B**	●**B**	●**B**	●**B**	●**B**	●**B**	●**B**	●**B**
24"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
30"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
36"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
42"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
48"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
60"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●

B = Big open base sizes
F = To the floor sizes

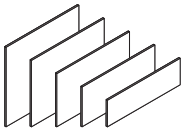


Understanding
▶ Page 124
Specifying
▶ Pages 470–474

Performance Tackable Acoustical Fabric-Covered Panel Skins

	18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
12"H	●	●	●	●	●	●	●	●
18"H	●	●	●	●	●	●	●	●
24"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
30"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
36"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
42"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
48"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
60"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●

F = To the floor sizes



Note: 12"H, 18"H, and 24"H steel skins are available with ribbed and perforated steel option.

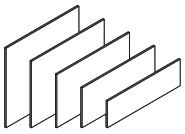
Understanding
▶ Page 126
Specifying
▶ Pages 476–480

Steel Panel Skins

	18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
12"H	●	●	●	●	●	●	●	●
18"H	●	●	●	●	●	●	●	●
19 3/16"H	●**B**	●**B**	●**B**	●**B**	●**B**	●**B**	●**B**	●**B**
24"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
30"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
36"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**

B = Big open base sizes
F = To the floor sizes

Tip: Ribbed and perforated steel option not available on to the floor size skins or big open base size skins.

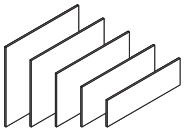


Understanding
▶ Page 130
Specifying
▶ Page 481

Modular Markerboard Surfaces for Steel Skins

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

Tip: Available in parametric sizes ranging from 12"W to 96"W and 12"H to 36"H.



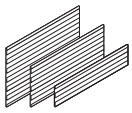
Understanding
▶ Page 131
Specifying
▶ Pages 482–483

Markerboard Skins

	18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
12"H	●	●	●	●	●	●	●	●
18"H	●	●	●	●	●	●	●	●
24"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
30"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
36"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**

F = To the floor sizes

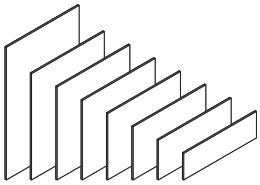
Statement of Line, continued



Understanding
▶ Page 132
Specifying
▶ Page 484

Slatwall Skins

	24"W	30"W	36"W	42"W	48"W
12"H	●	●	●	●	●
18"H	●	●	●	●	●
24"H	●	●	●	●	●

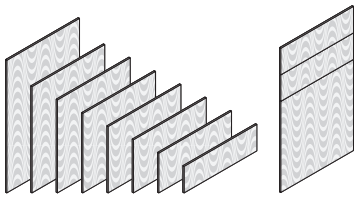


Understanding
▶ Page 134
Specifying
▶ Pages 486–487

Laminate Skins

	24"W	30"W	36"W	42"W	48"W
12"H	●	●	●	●	●
18"H	●	●	●	●	●
24"H	●**F**	●**F**	●**F**	●**F**	●**F**
30"H	●**F**	●**F**	●**F**	●**F**	●**F**
36"H	●**F**	●**F**	●**F**	●**F**	●**F**
42"H	●**F**	●**F**	●**F**	●**F**	●**F**
48"H	●**F**	●**F**	●**F**	●**F**	●**F**
60"H	●**F**	●**F**	●**F**	●**F**	●**F**

F = To the floor sizes



Understanding
▶ Page 136
Specifying
▶ Pages 488–496

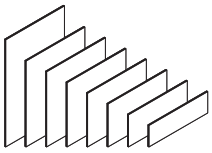
Wood Skins and Wood Skin Sets

	24"W	30"W	36"W	42"W	48"W
12"H	●	●	●	●	●
18"H	●	●	●	●	●
24"H	●**F**	●**F**	●**F**	●**F**	●**F**
30"H	●**F**	●**F**	●**F**	●**F**	●**F**
36"H	●**SF**	●**SF**	●**SF**	●**SF**	●**SF**
42"H	●**SF**	●**SF**	●**SF**	●**SF**	●**SF**
48"H	●**SF**	●**SF**	●**SF**	●**SF**	●**SF**
60"H	●**SF**	●**SF**	●**SF**	●**SF**	●**SF**

S = Wood skin sets

F = To the floor sizes

Tip: Wood skin sets are available for 42", 48", 54", and 66" panel heights.

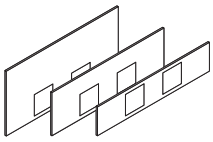


Understanding
▶ Page 137
Specifying
▶ Pages 500–502

Back Painted Glass Skins

	18"W	24"W	30"W	36"W	42"W	48"W	60"W	72"W
12"H	●	●	●	●	●	●	●	●
18"H	●	●	●	●	●	●	●	●
24"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
30"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**
36"H	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**	●**F**

F = To the floor sizes

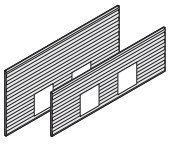


Understanding
▶ Page 138
Specifying
▶ Page 504

Steel Technology Skins

	24"W	30"W	36"W	42"W	48"W	60"W	72"W
6"H	●	●	●	●	●	●	●
12"H	●	●	●	●	●	●	●
18"H	●	●	●	●	●	●	●

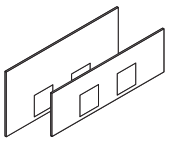
Tip: 12"H and 18"H technology skins are available with ribbed steel.
Tip: Technology skins are available with fabric-covered option.



Understanding
▶ Page 138
Specifying
▶ Page 506

Slatwall Technology Skins

	24"	30"	36"	42"	48"
12"	●	●	●	●	●
18"	●	●	●	●	●

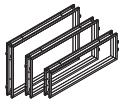


Understanding
▶ Page 138
Specifying
▶ Page 507

Markerboard Technology Skins

	24"	30"	36"	42"	48"
12"	●	●	●	●	●
18"	●	●	●	●	●

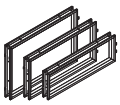
Statement of Line, continued



Understanding
▶ Page 140
Specifying
▶ Pages 510 and 512

Glass Windows—Single Pane and Single Pane Kits for use with Custom Glass

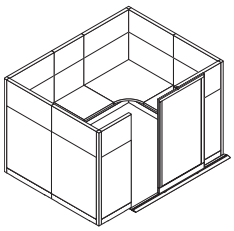
	24"W	30"W	36"W	42"W	48"W	60"W	72"W	78"W	84"W	90"W	96"W
12"H	●	●	●	●	●	●	●	●	●	●	●
18"H	●	●	●	●	●	●	●	●	●	●	●
24"H	●	●	●	●	●	●	●	●	●	●	●



Understanding
▶ Page 140
Specifying
▶ Page 510

Glass Windows—Double Pane

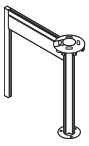
	24"W	30"W	36"W	42"W	48"W	60"W	72"W	78"W	84"W	90"W	96"W
12"H	●	●	●	●	●	●	●	●	●	●	●
18"H	●	●	●	●	●	●	●				
24"H	●	●	●	●	●	●	●				



Understanding
▶ Page 142
Specifying
▶ Page 514

Sliding Panel Door

	36"W	42"W
66"H	●	●
78"H	●	●



Understanding
▶ Page 144
Specifying
▶ Page 516

Fence Connectors

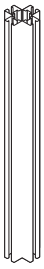
	32½"H
2"D	●



Understanding
▶ Page 144
Specifying
▶ Page 516

Fence Vertical Post Tube

16"H



X-Post

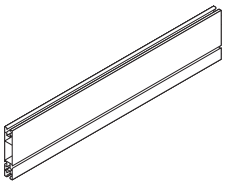


Y-Post

Understanding
▶ Page 144
Specifying
▶ Page 517

Posts

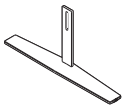
	33"H
4"D	●



Understanding
▶ Page 144
Specifying
▶ Page 518

Beams

	8½"H
3'4"W	●
4'W	●
5'W	●
6'W	●
7'W	●
8'W	●
9'W	●
10'W	●



Understanding
▶ Page 146
Specifying
▶ Page 519

Panel and Beam Foot

21"L

Fabric-Covered Panel Skins

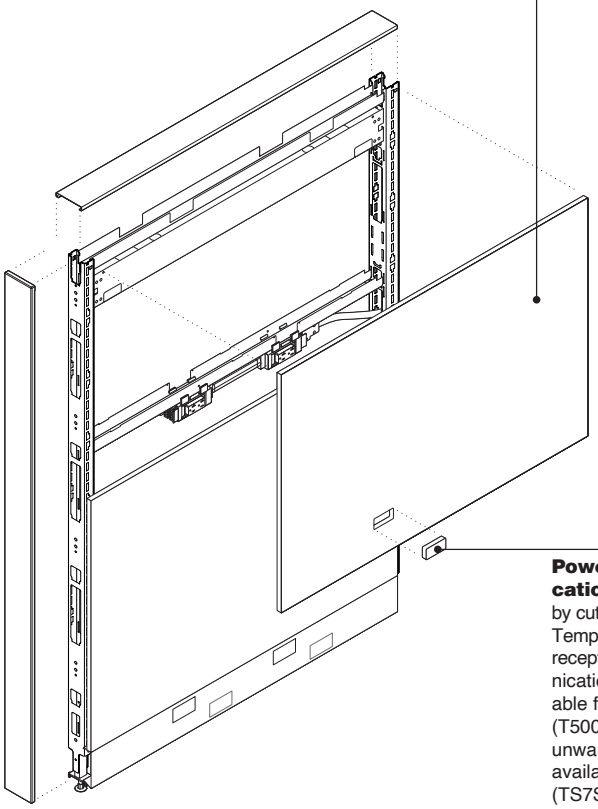
Performance Tackable Acoustical Fabric-Covered Skins and Tackable Acoustical Fabric-Covered Skins

Performance tackable acoustical fabric-covered skins and tackable acoustical fabric-covered skins finish the appearance of a panel. Skin combinations can vary to accommodate a variety of appearances and functions of the workspace. *Note: A sound-blocking barrier is added to the back side of the performance tackable acoustical skins.*

▶ Specifying, page 470

Tip: When specifying skins, the total skin height will be 6" less than the panel height. For example if the panel is 54"H the total skin height will be 48"H. Skins to the floor are indicated by an F suffix. Plan 6" shorter than panel height, but skins to the floor are taller in actual height to cover the base trim area.

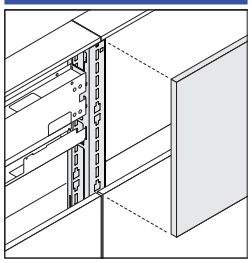
▶ See Panel Buildups, page 18, for more information.



Fabric skins can be removed and repositioned.

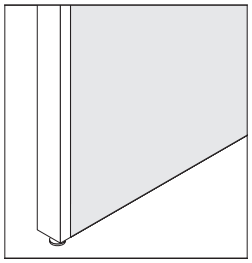
Power and communication can be accessed by cutting skin in the field. Templates for cutting both receptacle and communication cutouts are available from Service Parts (T500940SR). Filler to close unwanted cutout in a skin is available from Service Parts (TS7STFSR).

Connections



Skins extend onto junction and meet skin of adjacent panel. The slotted channel of the junction is accessible between these two skins.

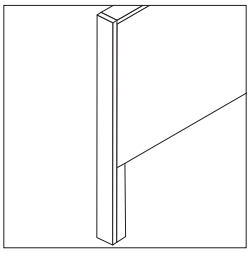
Skins are available in standard heights, to the floor heights, and a big open base height. Standard height skins are not dedicated to a specific location.



Skins sized to go to the floor extend to the bottom of the panel. They can be used on one or both sides of the panel. They can only be used in the bottom position. *Tip: Omit base trim option should be selected on the panel frame when using a skin to the floor.*

Actual Dimensions

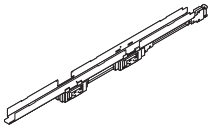
Width	17 53/64", 23 53/64", 29 53/64", 35 53/64", 41 53/64", 47 53/64", 59 53/64", and 71 53/64"
Height Standard Size	12 23/64", 18 7/16", 24 3/4", 30 13/16", 37 5/64", 43 1/4", 49 7/16", and 61 13/16"
Height to the Floor Size	28 33/64", 34 5/8", 40 7/8", 42", 47 1/16", 53 15/64", and 65 19/32"
Height for Big Open Base Size	19 3/16"



Big open base skins are sized to work in conjunction with big open base trims, leaving the bottom of the panel open. They must be used on both sides of a panel.
Tip: Select the big open base option on horizontal frames that are receiving big open base height skins.

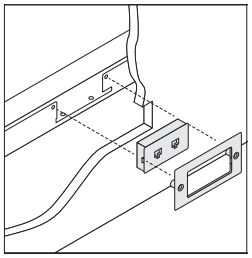
Tackable acoustical skins are available in big open base sizes. Performance tackable skins are not available in big open base sizes.

Wiring & Cabling

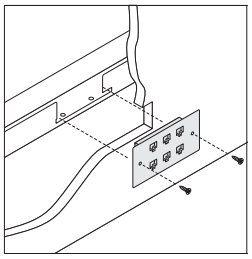


Powerkits are available in widths that correspond to panel widths.

Faceplate is used to surround receptacle when field-cutting fabric skins.



Faceplate, ordered separately, is used to surround modular furniture size communication outlet when field-cutting fabric skins.



NEMA-size communication outlets can be installed on the face of a panel skin without using a faceplate, but just the screws. Order communication outlets from an outside vendor. NEMA-size communication outlets cannot be used in the base.

Surface Materials

Skins
- Fabric

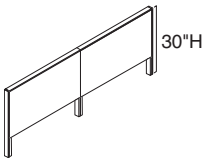
Fabric application is standard in the warp horizontal direction. Warp vertical direction is available as an option.Exceptions to this include:
- 72" wide standard and to the floor skins can only accommodate fabric in the horizontal direction.
- 60" high to the floor skins can only accommodate fabric in the vertical direction.
- 48" high to the floor skins accommodate select fabrics in the vertical direction only.

▶See *Specification Guidelines for Directional Fabrics*, page 730, for more information.

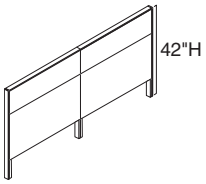
Application Topics

Panel buildups
▶Page 18

Big open base skins are 19 3/16"H and placed on the junctions just above the big open base vertical trim.



Big open base skins are sized to finish a 30"H panel.



Big open base skins can be added to panels taller than 30"H. Standard sized skins are used to finish the remaining panel height. For example a 42"H panel with big open base will need a big open base skin and a 12"H skin on each side of the panel.

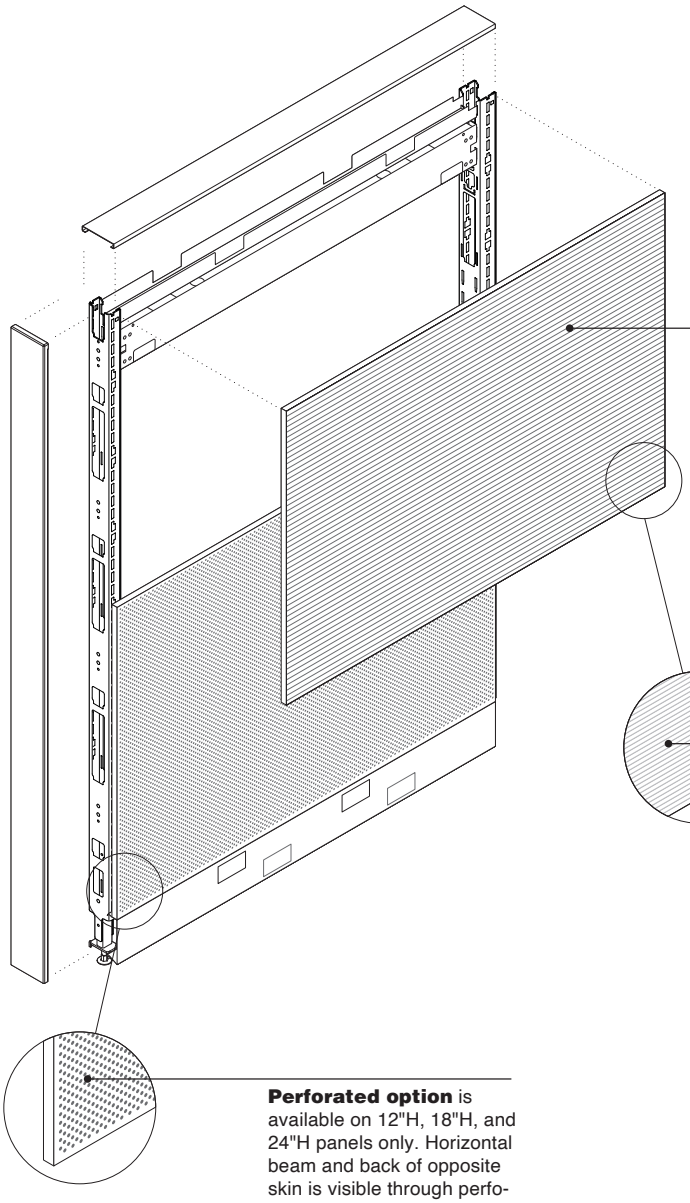
Steel Panel Skins

Steel panel skins finish the appearance of a panel. Skin combinations can vary to accommodate a variety of appearances and functions of the workspace.

▶ Specifying, page 476

Tip: When specifying skins, the total skin height will be 6" less than the panel height. For example if the panel is 54"H the total skin height will be 48"H. Skins to the floor are indicated by an F suffix. Plan 6" shorter than panel height, but skins to the floor are taller in actual height to cover the base trim area.

▶ See Panel Buildups, page 18, for more information.



Steel skins can be removed and repositioned.

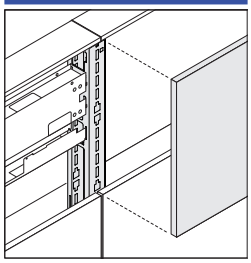
Ribbed option is available on 12"H, 18"H, and 24"H panels only.

Perforated option is available on 12"H, 18"H, and 24"H panels only. Horizontal beam and back of opposite skin is visible through perforated skin.

Actual Dimensions

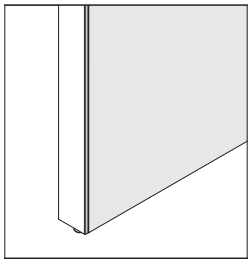
Width	$17\frac{53}{64}$", $23\frac{53}{64}$", $29\frac{53}{64}$", $35\frac{53}{64}$", $41\frac{53}{64}$", $47\frac{53}{64}$", $59\frac{53}{64}$", and $71\frac{53}{64}$"
Height	$12\frac{9}{32}$", $18\frac{7}{16}$", $24\frac{41}{64}$", $30\frac{13}{16}$", and 37"
Height to the Floor Size	$28\frac{29}{64}$", $34\frac{5}{8}$", and $40\frac{13}{16}$"
Height for Big Open Base Size	$19\frac{3}{16}$"

Connections

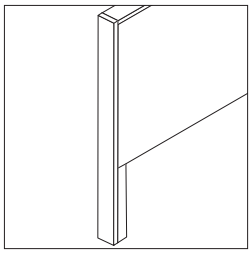


Skins extend onto junction and meet skin of adjacent panel. The slotted channel of the junction is accessible between these two skins.

Skins are available in standard heights, to the floor heights, and a big open base height. Standard height skins are not dedicated to a specific location.

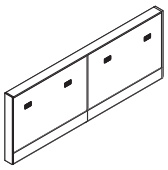


Skins sized to go to the floor extend to the bottom of the panel. They can be used on one or both sides of the panel. They can only be used in the bottom position.
Tip: Omit base trim option should be selected on the panel frame when using a skin to the floor.



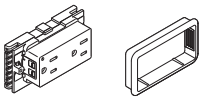
Big open base skins are sized to work in conjunction with big open base trims, leaving the bottom of the panel open. They must be used on both sides of a panel.
Tip: Select the big open base option on horizontal frames that are receiving big open base height skins.

Wiring & Cabling



Power and data can be accessed in 24"H standard base, 24"H to the floor, and big open base steel skins by specifying power and data cutouts.

Steel skins with power and data cutouts are placed in the lowest skin position on the panel and provide power access at 20".



For power access in steel skins, specify **TS7RC** receptacles and **TS7RCT** trim rings for each cutout.

Receptacle fillers are available to fill unused receptacle openings in steel skins. Use **TSBRF**.

Data fillers are available to fill unused furniture style data openings. Use **TS7DF**.

For 24"W and 30"W steel skins, hardwire receptacle cutout option will always have a single centered hardwire cutout.

For 36"W and wider steel skins, hardwire receptacle cutout option will always come with a left and right hardwire cutout.

Data cutouts are available in furniture style data cutouts and NEMA data cutouts.

For USB power access in steel skins, specify **TS7USB** receptacles and **TS7RCT** trim rings for each cutout.

Surface Materials

Skins
- Painted steel
- Ribbed steel (option)
- Perforated steel (option)

Application Topics

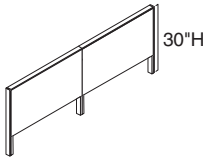
Panel buildups
▶Page 18

Horizontal connecting bars will be visible when perforated skins are used on the panel.

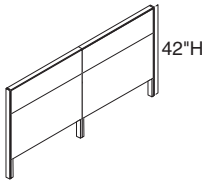
When specifying the perforated option, order perforated skins for both sides of the panel to maximize the visual aesthetic.

Perforated skins cannot be used in installation with steel or ribbed steel skins made prior to July 10, 2000.

Big open base skins are 19 3/16"H and are placed on the junctions just above the big open base vertical trim.



Big open base skins are sized to finish a 30"H panel.



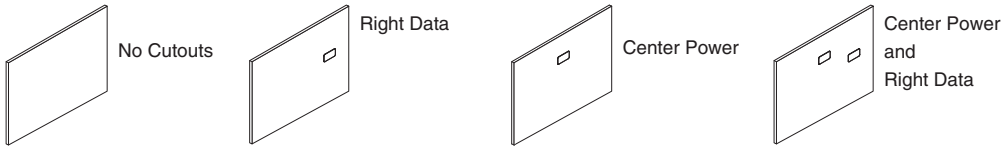
Big open base skins can be added to panels taller than 30"H. Standard sized skins are used to finish the remaining panel height. For example a 42"H panel with big open base will need a big open base skin and a 12"H skin on each side of the panel.

Steel Panel Skins, continued

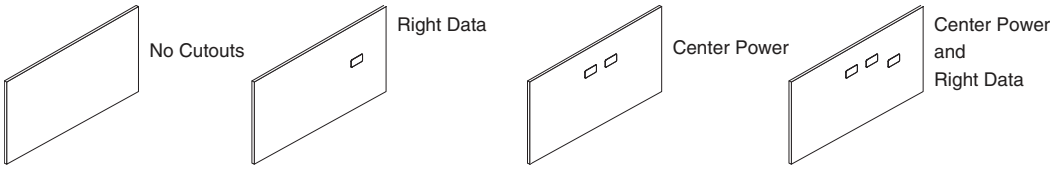
Application Topics, continued

Steel skins with modular power cutouts are available in the following cutout configurations.

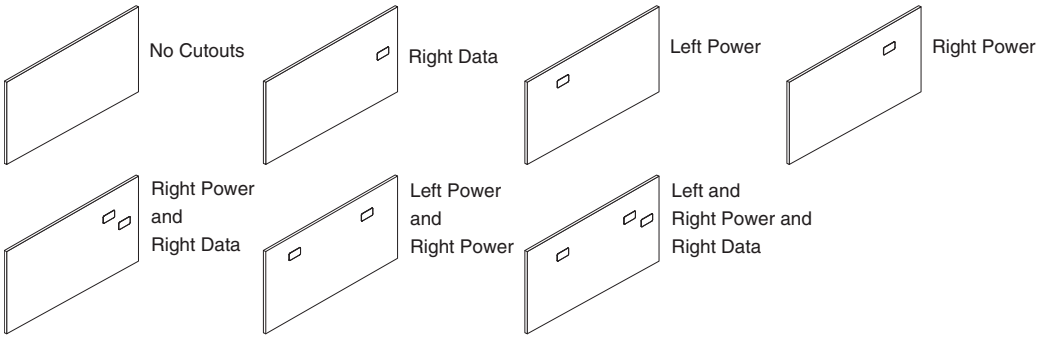
24"W steel skins are available in the following modular power and data cutout configurations:



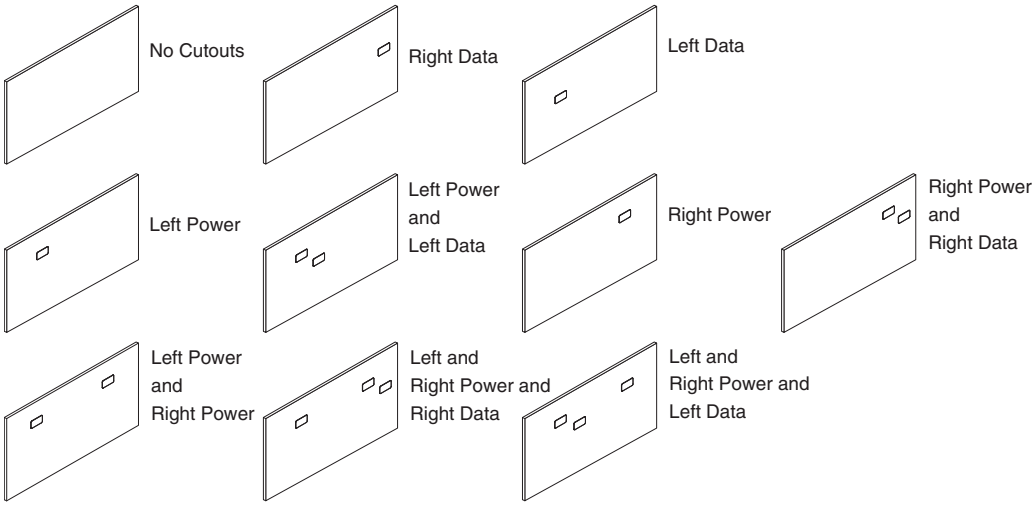
30"W steel skins are available in the following modular power and data cutout configurations:



36"W steel skins are available in the following modular power and data cutout configurations:

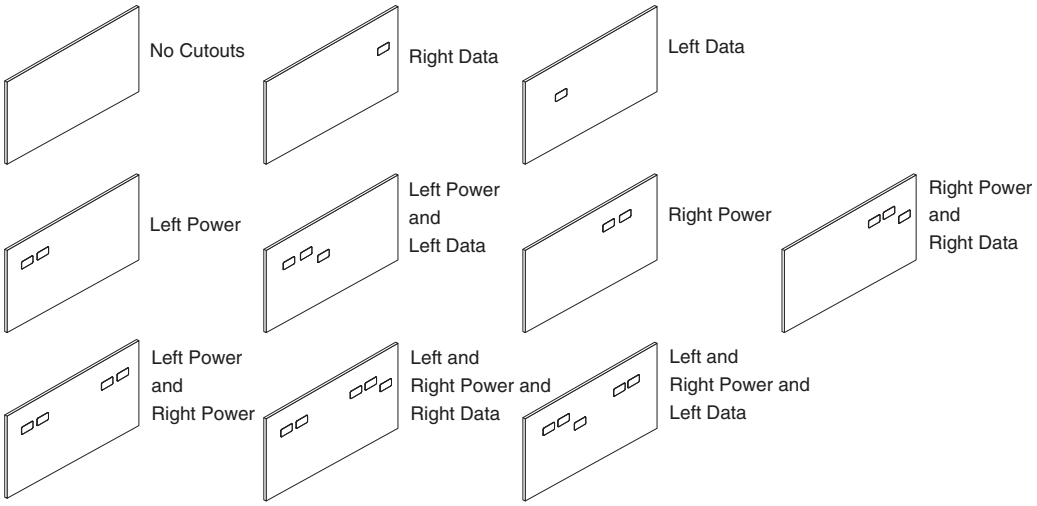


42"W and 48"W steel skins are available in the following modular power and data cutout configurations:



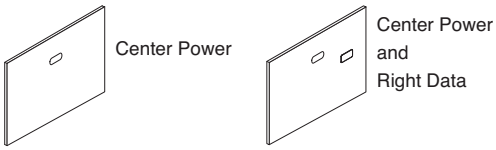
Application Topics, continued

60"W and 72"W steel skins are available in the following modular power and data cutout configurations:

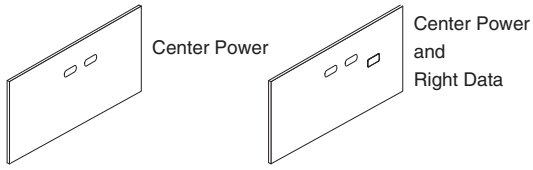


Steel skins with hardwire power cutouts are available in the following cutout configurations.

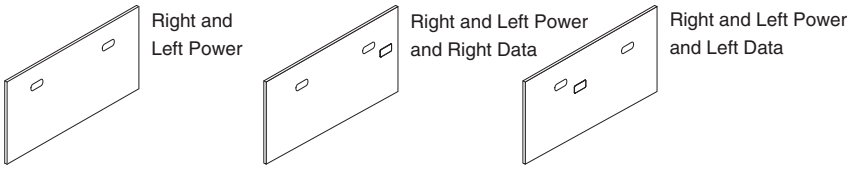
24"W and 30"W steel skins are available in the following hardwire power and data cutout configurations:



36"W steel skins are available in the following power and data cutout configurations:



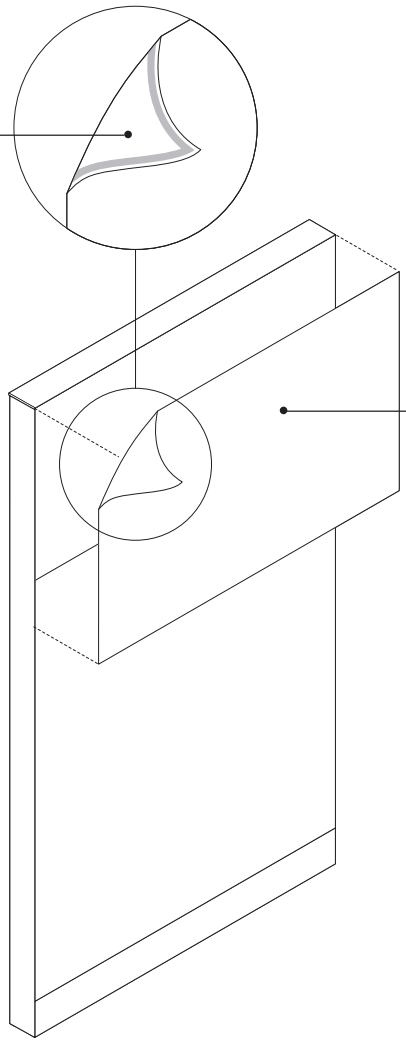
42", 48", 60", 72"W steel skins are available in the following power and data cutout configurations:



Markerboard Surfaces for Steel Skins

Markerboard surface adheres to steel skins to provide a writing surface for dry erase markers.
▶ Specifying, page 481

Magnetic border on back of markerboard affixes to steel skin. Markerboard surface can be removed and repositioned.



Write on markerboard surface with dry erase markers only.

Actual Dimensions

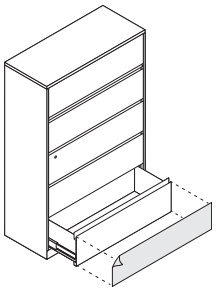
Width	23 45/64", 29 45/64", 35 45/64", 41 45/64", and 47 45/64"
Height	12 5/32", 24 1/2", and 36 7/8"

Note: Markerboard heights and widths can also be specified parametrically.

Product Details

Not for use on steel panels with the ribbed surface.

For best adhesive performance, place magnetic markerboard on skin with the largest dimension horizontal.



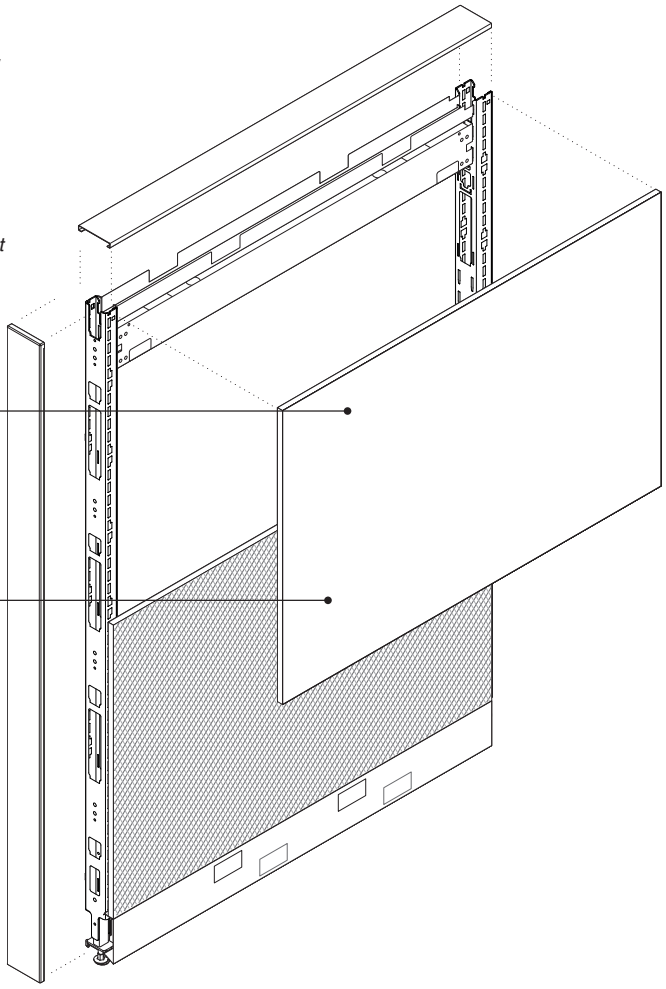
Markerboard surface, can adhere to additional steel products such as universal steel storage.

Surface Materials

Markerboard
- White only

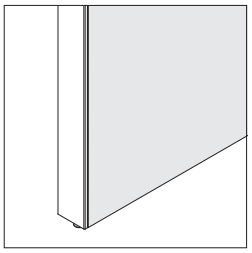
Markerboard Skins

Markerboard skins finish the appearance of a panel and provide a writing surface for dry erase markers.
Tip: When ordering skins to the floor an F suffix will be added to the end of the style number. The total height will still be 6" less than the panel height. Using the same example, if the panel is 54"H, 48" of skin height will need to be specified.
▶ Specifying, page 482



Markerboard skins can be removed and repositioned. They are not dedicated to a specific location.

Skin is steel construction and can accept magnets to display and share information.



Skins sized to go to the floor extend to the bottom of the panel. They can be used on one or both sides of the panel. They can only be used in the bottom position.
Tip: Omit base trim option should be selected on the panel frame when using a skin to the floor.

Wiring & Cabling

Power and communication cannot be accessed in markerboard skins.

Surface Materials

Markerboard skin
- White only

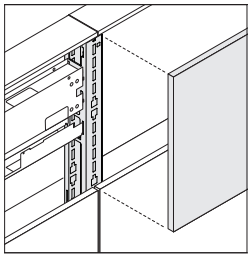
Application Topics

Panel buildups
▶ Page 18

Cleaning Instructions for Answer Markerboard Skins
1. Use clean dry eraser or microfiber cloth to remove as much ink as possible.
2. Use Expo cleaner or other markerboard cleaner with microfiber cloth. If the markerboards are used daily, cleaning may be required 2-3 times a week.
3. For heavily used boards and persistent markings, clean with 91% Isopropyl Alcohol (IPA) on a microfiber cloth. It is recommended that the markerboard skins be cleaned with 91% IPA once a week.

Note: Use of household cleaners on Answer markerboard skins is not recommended.

Connections



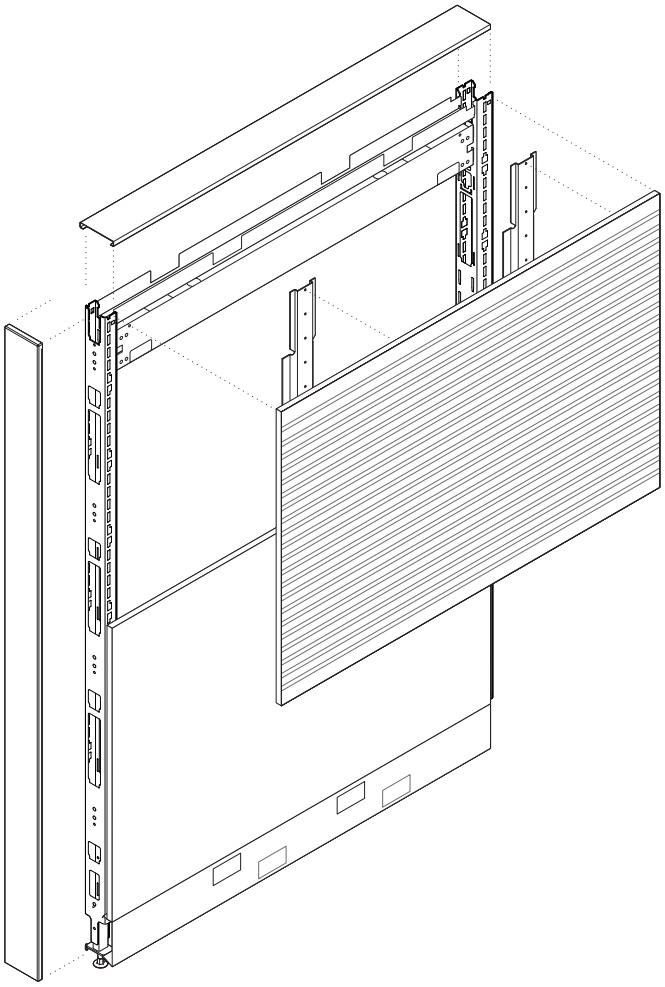
Skins extend onto junction and meet skin of adjacent panel. The slotted channel of the junction is accessible between these two skins.

Actual Dimensions

Width	$17\frac{53}{64}$", $23\frac{53}{64}$", $29\frac{53}{64}$", $35\frac{53}{64}$", $41\frac{53}{64}$", $47\frac{53}{64}$",$59\frac{53}{64}$", and $71\frac{53}{64}$"
Height	$12\frac{9}{32}$", $18\frac{7}{16}$", $24\frac{41}{64}$", $30\frac{13}{16}$", and 37"
Height to the Floor Size	$28\frac{29}{64}$", $34\frac{5}{8}$", and $40\frac{13}{16}$"

Slatwall Skins

Slatwall skins have horizontal channels that support Steelcase worktools and accessories on 1" increments. Maximum load on skin is 80 pounds.
▶Specifying, page 484



Actual Dimensions

Width	23 13/16", 29 13/16", 35 13/16", 41 13/16", and 47 13/16"
Height	12 5/16", 18 1/2", and 24 11/16"

Product Details

Slatwall skins can be removed and repositioned. They are not dedicated to a specific location.

Wiring & Cabling

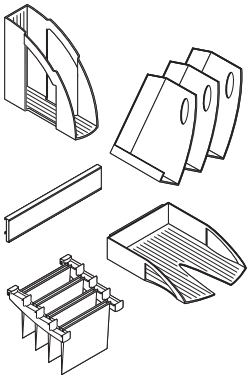
Power and cables cannot be accessed in a slatwall skin.

Back-to-back slatwall skins cannot be installed at the top of a panel when using a ceiling access lay-in utility package.

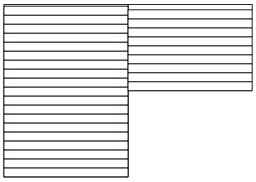
Surface Materials

- Paint

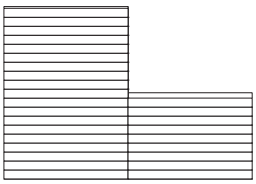
Application Topics



Accessories are available for use on slatwall skins.
▶For additional information, refer to *Steelcase Worktools Specification Guide.*



Slatwall channels will not align when the top of a 12"H slatwall skin is adjacent to the top of an 18"H or 24"H slatwall skin.

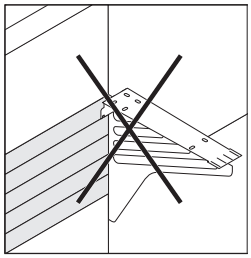


Slatwall channels will align when the bottom of a 12"H slatwall skin is adjacent to the bottom of an 18"H or 24"H slatwall skin.

Binder bin or shelf can be hung in front of a slatwall skin. If two bins on shelves are hung side by side in front of slatwall skins, the top hook must use either the third or fourth full slot down from the top. The first and second full slots from the top will not accept side-by-side shelves.

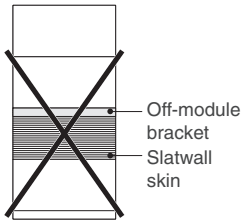
c:scape mid storage cannot be placed in front of a slatwall skin.

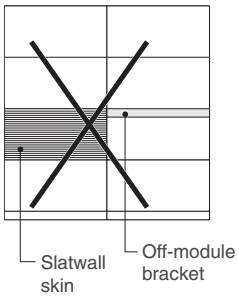
Binder bin or shelf can be upmounted on slatwall skin as long as there is not another bin or another slatwall skin on the adjacent in-line panel.



Slatwall skins cannot be hung next to a cantilever or on module end panel.

Slatwall skins cannot be used in the bottom 12" of an Answer panel.



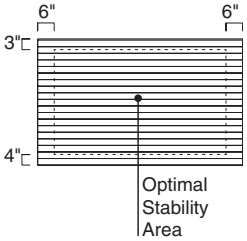


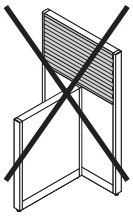
Off-module worksurface to panel connector cannot be used in front of or on the adjacent panel at the same elevation as a 12"H or 24"H slatwall skin.

Slatwall skin brace package is required when mounting a flat panel monitor arm on an Answer slatwall skin.

One single or dual monitor arm can be mounted on 12"H slatwall skin that has an installed brace package.

Up to two single monitor arms can be mounted on 18"H or 24"H Answer slatwall skin that has an installed brace package. For optimal stability, the monitor arm should be mounted as shown below:

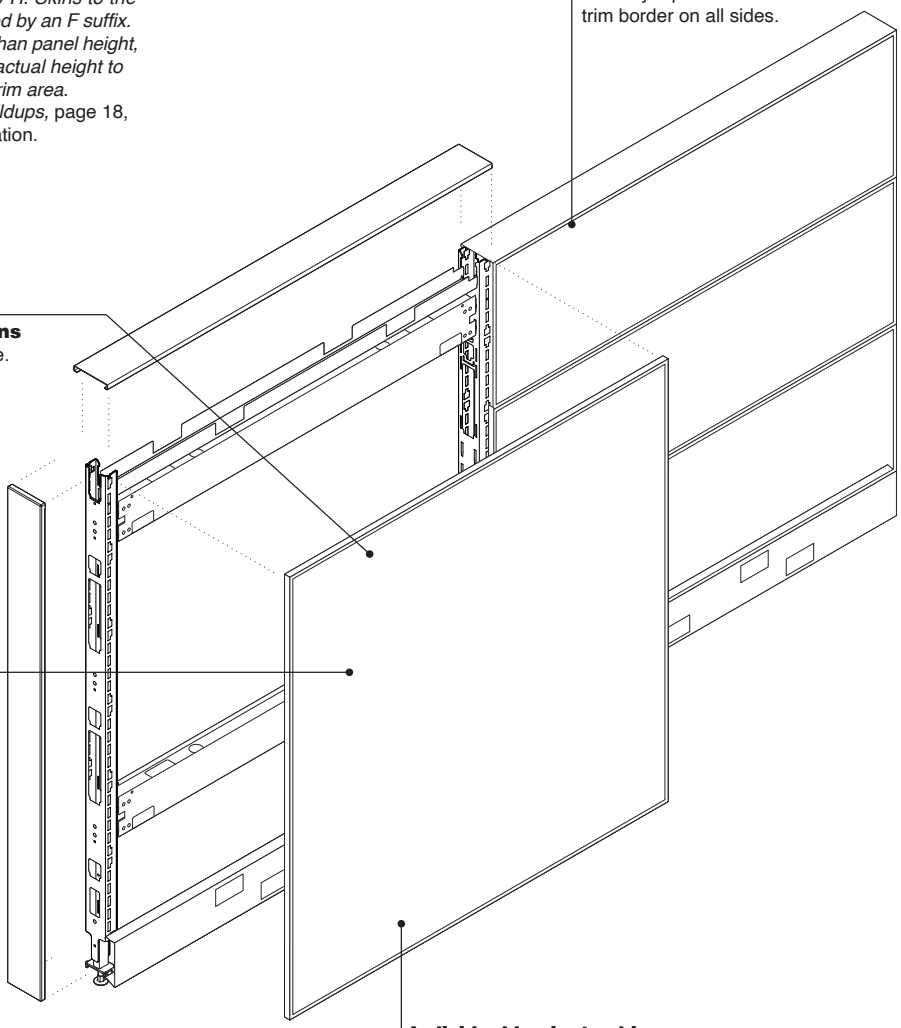




Slatwall skins cannot be placed on the spine panel when an off-module fin panel is positioned below it.

Laminate Skins

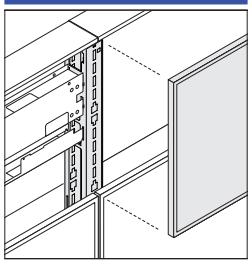
Laminate skins attach to frames to finish the appearance of a panel and can be used in combination with any other skin type.
▶ Specifying, page 486
Tip: When specifying skins, the total skin height will be 6" less than the panel height. For example if the panel is 54"H the total skin height will be 48"H. Skins to the floor are indicated by an F suffix. Plan 6" shorter than panel height, but are taller in actual height to cover the base trim area.
▶ See *Panel Buildups,* page 18, for more information.



Actual Dimensions

Width	23 53/64", 29 53/64", 35 53/64", 41 53/64", and 47 53/64"
Height Standard Size	12 7/32", 18 3/8", 24 37/64", 30 3/4", 36 15/16", 43 1/8", 49 19/64", and 61 21/32"
Height to the Floor Size	28 27/64", 34 5/8", 40 25/32", 47", 53 9/64", and 65 1/2"

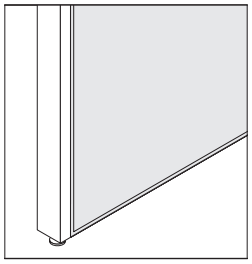
Connections



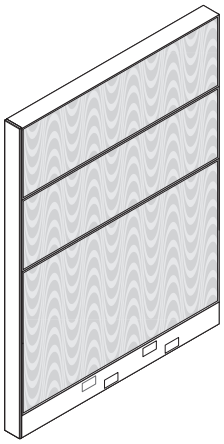
Skins extend onto junction and meet skin of adjacent panel. The slotted channel of the junction is accessible between these two skins.

Skins are available in standard heights and to the floor heights.

Standard heights are not dedicated to a specific location.



Skins sized to go to the floor extend to the bottom of the panel. They can be used on one or both sides of the panel. They can only be used in the bottom position.
Tip: Omit base trim option should be selected on the panel frame when using a skin to the floor.



Woodgrain and directional laminate patterns run vertical as standard with an option of running horizontally.
Tip: All 60"H skins are only available in vertical direction for woodgrain and directional laminates.

Grain direction pattern may not align on segmented laminate skins on a single frame.

Wiring & Cabling

Power and communication cannot be accessed in laminate skins.

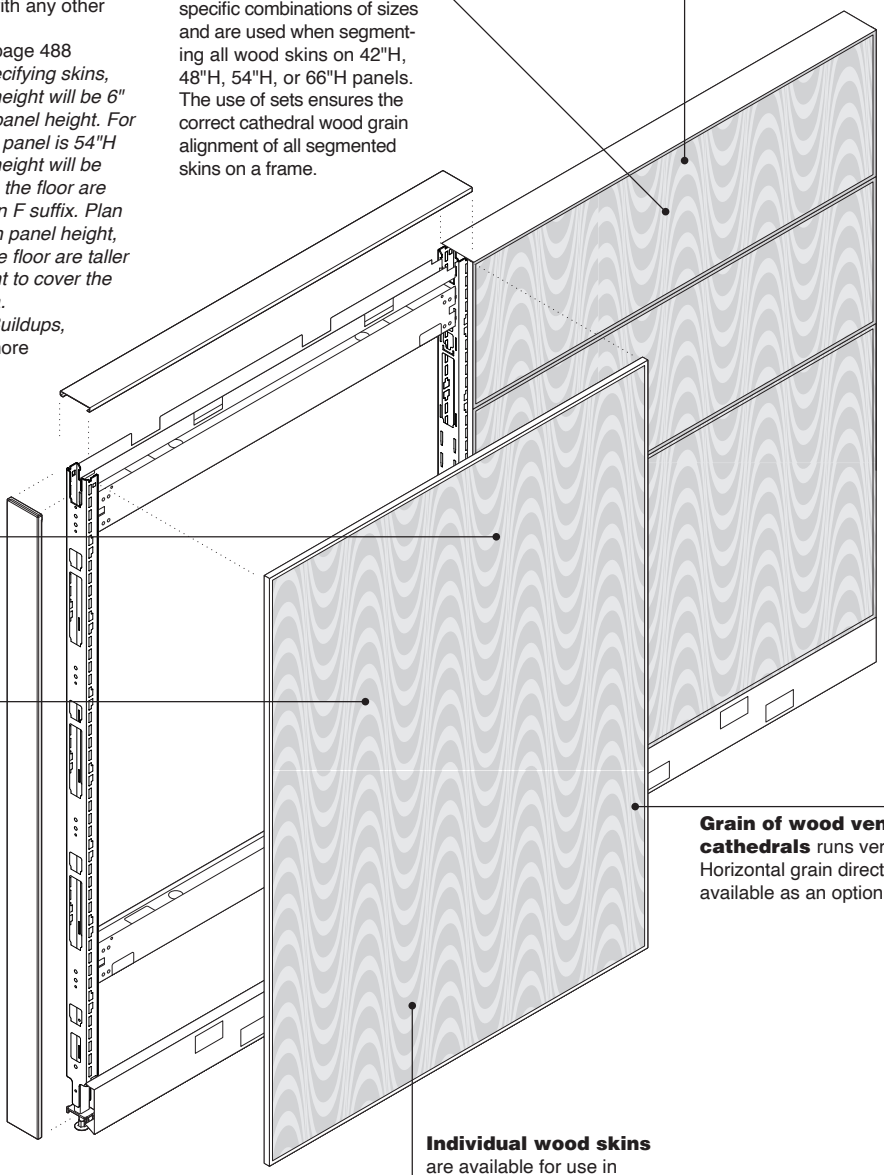
Surface Materials

Laminate skins
- Laminate (standard)
- Open Line laminate (option)

Trim
- Paint

Wood Skins and Wood Skin Sets

Wood skins and wood skin sets attach to frames to finish the appearance of a panel and can be used in combination with any other skin type.
▶Specifying, page 488
Tip: When specifying skins, the total skin height will be 6" less than the panel height. For example if the panel is 54"H the total skin height will be 48"H. Skins to the floor are indicated by an F suffix. Plan 6" shorter than panel height, but skins to the floor are taller in actual height to cover the base trim area.
▶See *Panel Buildups*, page 18, for more information.



Wood skin sets contain specific combinations of sizes and are used when segmenting all wood skins on 42"H, 48"H, 54"H, or 66"H panels. The use of sets ensures the correct cathedral wood grain alignment of all segmented skins on a frame.

Wood skins consist of a wood veneer surface captured by a painted metal trim border on all sides.

Wood skins are non-tackable.

Skins can be removed and repositioned.

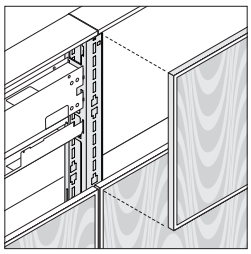
Grain of wood veneer cathedrals runs vertically. Horizontal grain direction is available as an option.

Individual wood skins are available for use in monolithic applications or in combination with other types of skins on the same frame.

Actual Dimensions

Width	$23\frac{53}{64}$", $29\frac{53}{64}$", $35\frac{53}{64}$", $41\frac{53}{64}$", and $47\frac{53}{64}$"
Height Standard Size	$12\frac{7}{32}$", $18\frac{3}{8}$", $24\frac{37}{64}$", $30\frac{3}{4}$", $36\frac{15}{16}$", $43\frac{1}{8}$", $49\frac{19}{64}$", and $61\frac{21}{32}$"
Height to the Floor	$28\frac{27}{64}$", $34\frac{5}{8}$", $40\frac{25}{32}$", 47", $53\frac{9}{64}$", and $65\frac{1}{2}$"

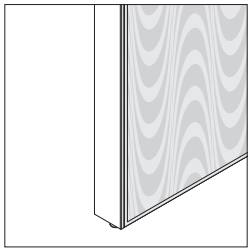
Connections



Skins extend onto junction and meet skin of adjacent panel. The slotted channel of the junction is accessible between these two skins.

Skins are available in standard heights and to the floor heights.

Standard heights are not dedicated to a specific location.



Skins sized to go to the floor extend to the bottom of the panel. They can be used on one or both sides of the panel. They can only be used in the bottom position.
Tip: Omit base trim option should be selected on the panel frame when using a skin to the floor.

Wood skin sets should be selected when grain pattern alignment of all segmented skins on a frame is desired.

Wiring & Cabling

Power and communication cannot be accessed in wood skins.

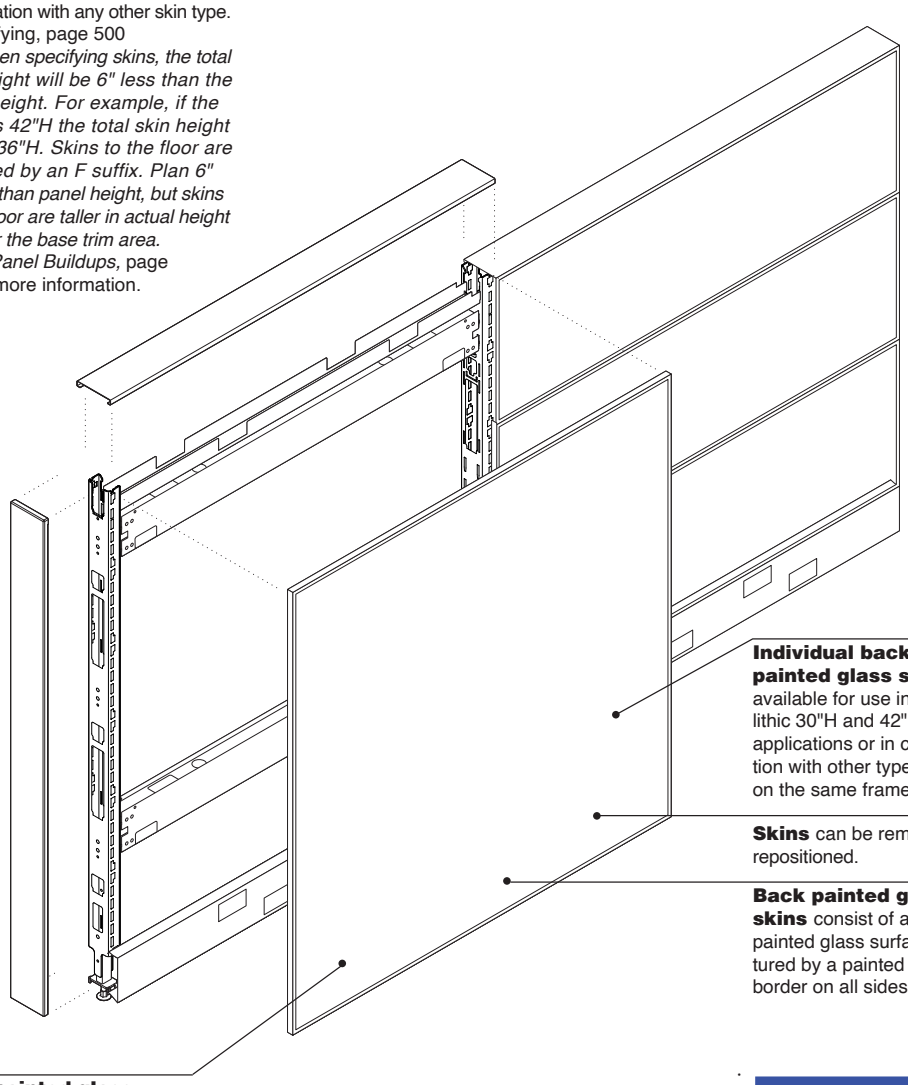
Surface Materials

Wood skins and wood skin sets
- Natural wood veneer (standard)
- Customiz stain (option)

Trim
- Paint

Back Painted Glass Skins

Back painted glass skins attach to frames to finish the appearance of a panel and can be used in combination with any other skin type.
▶Specifying, page 500
Tip: When specifying skins, the total skin height will be 6" less than the panel height. For example, if the panel is 42"H the total skin height will be 36"H. Skins to the floor are indicated by an F suffix. Plan 6" shorter than panel height, but skins to the floor are taller in actual height to cover the base trim area.
▶See *Panel Buildups,* page 18, for more information.



Individual back painted glass skins are available for use in monolithic 30"H and 42"H panel applications or in combination with other types of skins on the same frame.

Skins can be removed and repositioned.

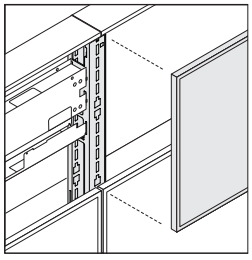
Back painted glass skins consist of a back painted glass surface captured by a painted metal trim border on all sides.

Back painted glass skins are non-tackable.

Actual Dimensions

Width	$17\frac{53}{64}$", $23\frac{53}{64}$", $29\frac{53}{64}$", $35\frac{53}{64}$", $41\frac{53}{64}$", $47\frac{53}{64}$", $59\frac{53}{64}$", and $71\frac{53}{64}$"
Height Standard Size	$12\frac{7}{32}$", $18\frac{3}{8}$", $24\frac{37}{64}$", $30\frac{3}{4}$", and $36\frac{15}{16}$"
Height to the Floor	$28\frac{27}{64}$", $34\frac{5}{8}$", and $40\frac{25}{32}$"

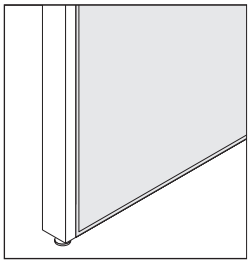
Connections



Skins extend onto junction and meet skin of adjacent panel. The slotted channel of the junction is accessible between these two skins.
Tip: Back painted glass skins do not attach to wall start junctions.

Skins are available in standard heights and to the floor heights.

Standard heights are not dedicated to a specific location.



Skins sized to go to the floor extend to the bottom of the panel. They can be used on one or both sides of the panel. They can only be used in the bottom position.
Tip: Omit base trim option should be selected on the panel frame when using a skin to the floor.

Application Topics

A magnetic backer is available as an option on all skin sizes. There is a $2\frac{3}{8}$" dead zone around edge with magnetic backer option.
Tip: Rare earth magnets should be used with the magnetic backer.

Wiring & Cabling

Power and communication cannot be accessed in glass skins.

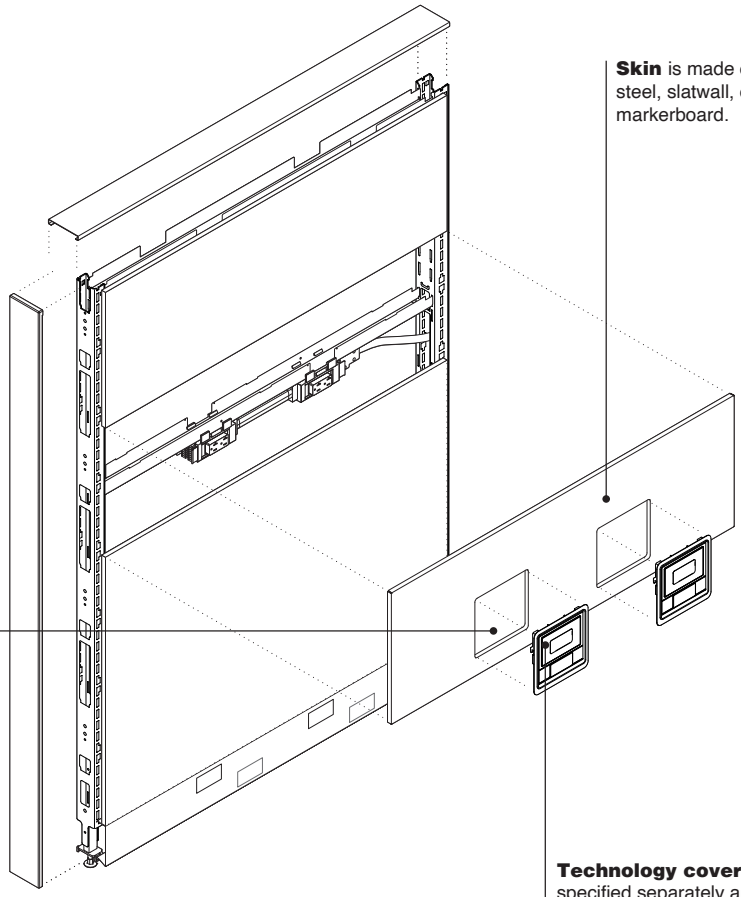
Surface Materials

Glass skins
- Back painted glass

Trim
- Paint

Technology Skins and Covers

Technology skin provides easy access to power and cabling behind the skin.
▶ Specifying, page 504



Skin is made of steel, slatwall, or markerboard.

Cutout is positioned at receptacle location.

Technology cover is specified separately and can accommodate a receptacle and a NEMA or DECORA communication port.

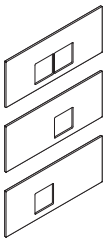
Actual Dimensions

Width	23 53/64", 29 53/64", 35 53/64", 41 53/64", 47 53/64", 59 53/64", and 71 53/64"
Height	6 1/8", 12 9/32", and 18 7/16"
Thickness	13/32"

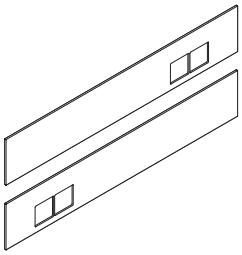
Product Details

Technology skins are available in 24" to 72" widths to match standard panel widths.

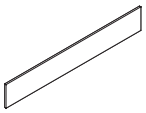
Technology skins are available in steel, ribbed steel, fabric over steel, slatwall, or markerboard. Not all materials are available on all skin heights or widths.



Technology skins 30" or under are available with all cutouts or with only right- or left-hand cutouts.



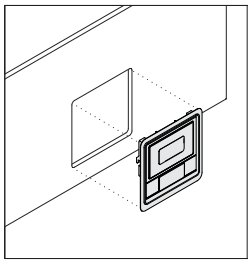
60"W and 72"W skins will have double cutouts and can be optioned to have them on both sides, right hand only or left hand only.



6"H technology skin has an option to omit all cutouts.

Slatwall technology skins include a painted trim for each cutout that is used behind the technology cover. It is painted to match the skin.

Slatwall technology skins must follow the same vertical placement rules as slatwall skins.
▶ See page 132 for Vertical Placement Rules.



Technology cover accommodates both power only and power communication. Technology cover includes all necessary adapters and fillers needed for both applications. When expressing communication only, receptacle covers are available through Service Parts (891700204MP).

Connections

Skin attaches to junctions with the same clip used on all Answer skins.

Technology covers snap on to the powerkit after receptacle is installed.

Wiring & Cabling

Standard modular powerkits must be used with technology skins and covers. They cannot be used with hardwire kits.

Top opening of cover accommodates a NEMA or modular communication port and have been designed around ANSI/TIA-569-C standards for furniture mounted communication faceplates that snap into furniture openings or knockouts. Communication ports can never be back-to-back. Cover also includes a filler if no communication is being used.

Receptacle cover is available through Service Parts (891700204MP) to cover the receptacle opening if no receptacle is specified.

Surface Materials

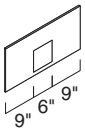
Technology skins–6"H
- Painted steel
- Fabric covered steel (option)

Technology skins–12"H and 18"H
- Painted steel
- Ribbed steel (option)
- Fabric covered steel (option)
- Slatwall–painted
- Markerboard

Fabric application is standard in the warp horizontal direction. Warp vertical direction is available as an option.
▶See *Specification Guidelines for Directional Fabrics*, page 730, for more information.

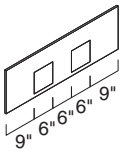
Technology covers
- 6000 Black
- 6009 Arctic White
- 6249 Platinum Solid
- 6654 Sand
- 6697 Fog

Application Topics

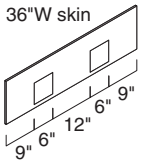


24"W skin

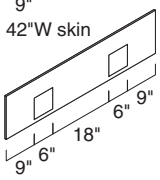
24"W technology skins have one cutout. Communication ports cannot be supported back to back, so in this skin width, communication can only be accommodated on one side of the panel at the same elevation.



36"W skin

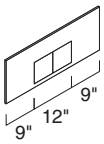


42"W skin

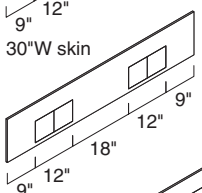


48"W skin

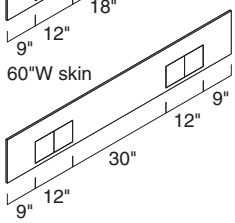
All 36"W, 42"W, and 48"W technology skins have one or two cutouts. The right-hand cutout can accommodate power only or power and communication. Left-hand cutout can only accommodate the power.



30"W skin



60"W skin

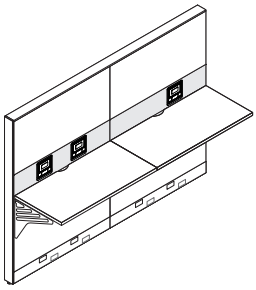


72"W skin

All 30"W, 60"W, and 72"W technology skins have one or two cutouts. For each double cutout the right-hand opening can accommodate power only or power and communication. Left-hand cutout can only accommodate the power.

Number of technology covers specified must match the number of cutouts in a skin.

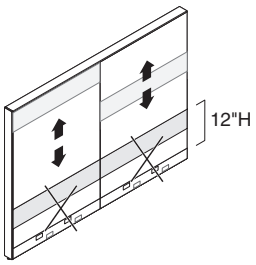
If using powerkits shipped prior to April 2000 in an existing application, power and communication cover must be placed on the left-hand side of the technology skin.



6"H technology skin can only be used in the position just above the worksurface. The skin includes powerkit brackets to be used to reposition the powerkit location on the junction.

When using a 6" technology skin on one side of the panel (only used at worksurface height) a 12" or 18" technology skin cannot be used on the opposite side of the panel at the same location as the 6"H skin.

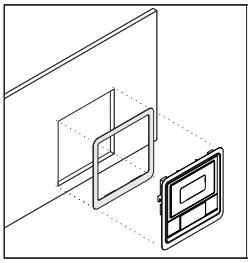
6"H technology skins cannot be used on a 30" high panel.



6"H technology skins with no cutouts can be used in any 6" position on the panel with the exception of the bottom 12" of the panel.

18"H technology skins must be planned in 12"H increments from the bottom of the panel to align with powerkit locations.

Slatwall technology skins must follow applicable slatwall skin vertical placement rules.
▶See page 132 for rules.



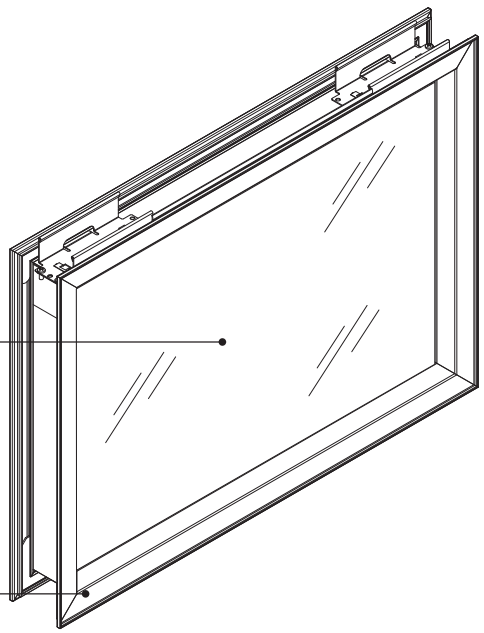
Technology skin cover fillers are available to allow technology skin cover to work with technology skins manufactured before October 10, 2011. Fillers are available for single or double cutouts and are painted.

Slatwall skin brace package is required when mounting a flat panel monitor arm on an Answer slatwall technology skin.

One single monitor arm can be mounted on a 12"H or 18"H slatwall technology skin with a single cutout. The skin must have an installed brace package. When planning location of technology skins, factor in location of height-adjustable desk to avoid interference with cords.

Glass Windows

Glass windows provide a visual space definition, yet allow light to pass through the workstation. They are available in single pane or double pane. Also available is a single pane kit that ships without glass and is used with custom glass, ordered separately.
▶Specifying, page 510



Safety glass is provided, unless custom glass window kit is ordered.

Metal frame is painted and fully assembled.

Actual Dimensions

Depth	2⅞" (single pane) and 3¹¹⁄₆₄" (double pane)
Width	23⁵¹⁄₆₄", 29⁵¹⁄₆₄", 35⁵¹⁄₆₄", 41⁵¹⁄₆₄", 47⁵¹⁄₆₄", 59⁵¹⁄₆₄", 71⁵¹⁄₆₄", 77⁵¹⁄₆₄", 83⁵¹⁄₆₄", 89⁵¹⁄₆₄", and 95⁵¹⁄₆₄"
Height	12⁹⁄₃₂", 18⁷⁄₁₆", and 24⁴¹⁄₆₄"

Product Details

Glass window is secured by brackets in the window frame.

Wiring & Cabling

Power and cables cannot be routed vertically or accessed in a glass window.

Top channel of a window used in the top position of a panel can accommodate lay-in cable routing beneath top cap.

Surface Materials

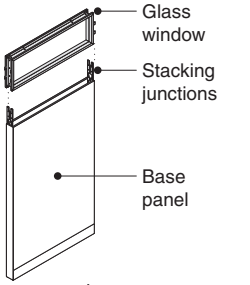
Frame
- Paint

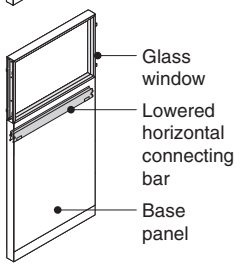
Single-pane window
- 6500 Clear Glass
- 6530 Frosted Glass

Double-pane window
- 6530 Frosted Glass

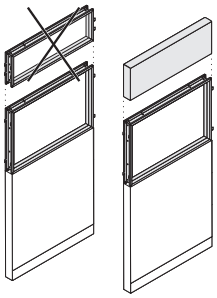
Tip: Frosted glass is a laminated construction. There may be variation in color, texture, and finish between the sample of 6530 Frosted Glass and the actual product.

Application Topics

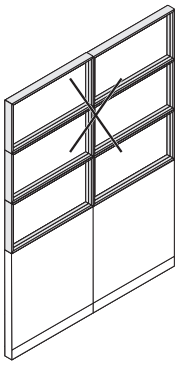




12"H, 18"H, and 24"H glass windows can be placed in the top position of a panel by either using stacking junctions, or by lowering the top horizontal connecting bar (24" maximum) in the base panel.
▶See *Stability Guidelines* for rules regarding stacking and glass windows, page 148.

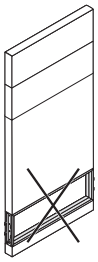


A 18"H or 24"H glass window installed in the top of a base panel cannot accommodate any windows stacked on top. Tackable acoustical skins and steel skins can be stacked. Only 12"H glass windows can be stacked on top of each other.

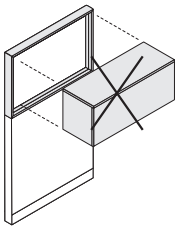


No more than two windows may be stacked on top of each other.

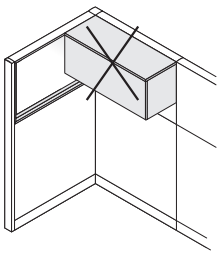
Glass windows cannot be placed in the top position of a panel segment that has a 6"H stacker.



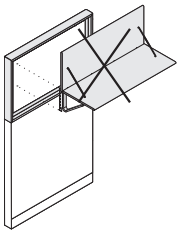
Glass window cannot be used at the base of a panel.



Hanging components cannot be hung in front of a double-pane window.

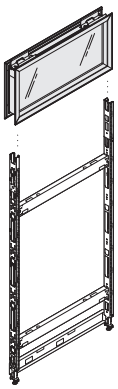


Hanging components cannot be used next to a double-pane window at a 90° corner.

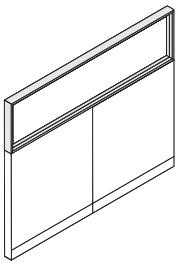


Open design upmount bin and shelf bracket cannot be used when double-pane window is in top position of panel.

Sliding panel door cannot be used when a double-pane window is used in the host panel.

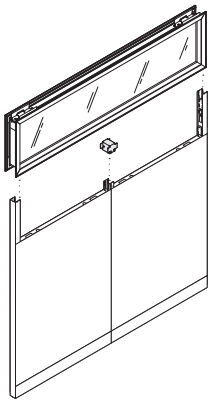


When installing windows, you must consider ceiling height. Windows slide into junctions from the top and require clearance above the panel.

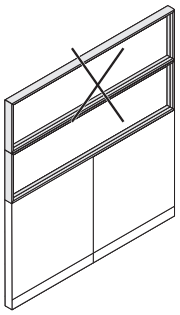


A single glass window can span over two or more in-line panels.

Spanning windows should be used in the top position only.

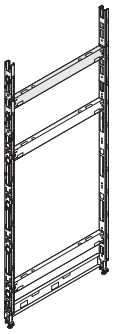


Spanning window in-line support must be specified separately when spanning windows. One support is used at each in-line junction to provide a light seal and help support the window.

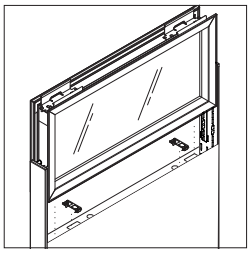


Spanning windows of any width cannot be stacked on top of each other.

When a spanning window is used, it is recommended that the same size spanning top cap also be specified for use on the window.



When double stacking junctions, at least one of the stacking junctions must be connected with a horizontal beam.



When ordering a 72"W or wider single pane window kit to be used with steel or fabric skins located directly below it, two clips (T521328SR) should be ordered and installed on the top edge of the skins.

Field-Installed, Single-Pane Custom Glass Kits will accommodate 4 mm – 6 mm glass

Frame Size		Style Number	Height	Width	Maximum Thickness
12"H	24"W	TS71224SCW	9.760"	21.280"	0.245"
	30"W	TS71230SCW	9.760"	27.280"	0.245"
	36"W	TS71236SCW	9.760"	33.280"	0.245"
	42"W	TS71242SCW	9.760"	39.280"	0.245"
	48"W	TS71248SCW	9.760"	45.280"	0.245"
	60"W	TS71260SCW	9.760"	57.280"	0.245"
	72"W	TS71272SCW	9.760"	69.280"	0.245"
	78"W	TS71278SCW	9.760"	75.280"	0.245"
	84"W	TS71284SCW	9.760"	81.280"	0.245"
	90"W	TS71290SCW	9.760"	87.280"	0.245"
	96"W	TS71296SCW	9.760"	93.280"	0.245"
18"H	24"W	TS71824SCW	15.940"	21.280"	0.245"
	30"W	TS71830SCW	15.940"	27.280"	0.245"
	36"W	TS71836SCW	15.940"	33.280"	0.245"
	42"W	TS71842SCW	15.940"	39.280"	0.245"
	48"W	TS71848SCW	15.940"	45.280"	0.245"
	60"W	TS71860SCW	15.940"	57.280"	0.245"
	72"W	TS71872SCW	15.940"	69.280"	0.245"
	78"W	TS71878SCW	15.940"	75.280"	0.245"
	84"W	TS71884SCW	15.940"	81.280"	0.245"
	90"W	TS71890SCW	15.940"	87.280"	0.245"
	96"W	TS71896SCW	15.940"	93.280"	0.245"
24"H	24"W	TS72424SCW	22.120"	21.280"	0.245"
	30"W	TS72430SCW	22.120"	27.280"	0.245"
	36"W	TS72436SCW	22.120"	33.280"	0.245"
	42"W	TS72442SCW	22.120"	39.280"	0.245"
	48"W	TS72448SCW	22.120"	45.280"	0.245"
	60"W	TS72460SCW	22.120"	57.280"	0.245"
	72"W	TS72472SCW	22.120"	69.280"	0.245"
	78"W	TS72478SCW	22.120"	75.280"	0.245"
	84"W	TS72484SCW	22.120"	81.280"	0.245"
	90"W	TS72490SCW	22.120"	87.280"	0.245"
	96"W	TS72496SCW	22.120"	93.280"	0.245"

Sliding Panel Doors

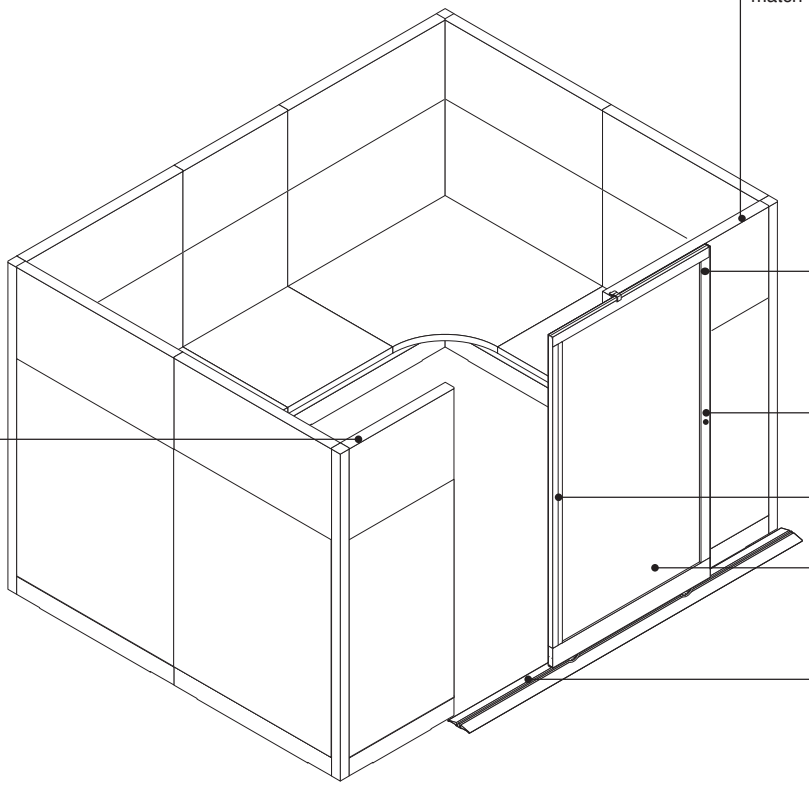
Sliding door is handed and can be added to workstations for additional privacy.
▶ Specifying, page 514

Door must be installed on the outside of the work station.

Door is attached to the host panel only; therefore, the stability of the door is closely related to the stability of the host panel.

Sliding door can be specified with lock option. Specify lock cylinder and key separately.

Host panel – height of the host panel must match the height of the door.



Sliding door frame and threshold are constructed from extruded aluminum and painted.

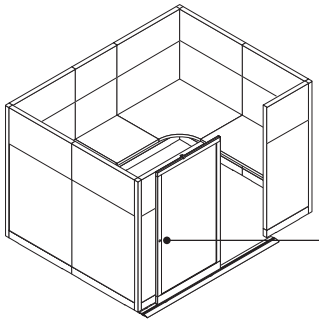
Lock mechanism is on the right-hand side for left-hand sliding door.

Receiving panel – height of receiving panel must match height of the door.

Door handle is integral and is ADA compliant.

Left-hand sliding door closes from right to left.

Door slides along threshold on wheels. Wheels have 1" adjustment for installation on uneven floors. Threshold is ADA compliant.



Right-hand sliding door closes from left to right.

Lock mechanism is on the left-hand side for right-hand sliding door.

Actual Dimensions

Door Height	66" and 78"
Door Width	36" and 42"
Door Thickness	1¼"

Product Details

Sliding door is handed. Right-handed sliding door or left-handed sliding door must be specified.

Sliding door can be specified with lock option. Specify lock cylinder and key separately.

Door infill is standard in ribbed, translucent plastic. Clear tempered glass and white laminated glass are available as options.

Surface Materials

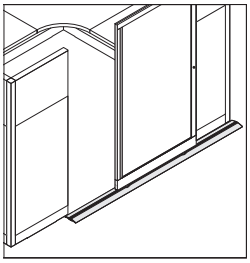
Frame and door track
- Paint

Door infill
- 6625 Translucent Plastic
- 6500 Clear glass
- 6541 White laminated

Application Topics

Sliding door is not free-standing. It must mount to panels.

Door is attached to the host panel only. Therefore, the stability of the door is closely related to the stability of the host panel.
▶See Guidelines for Sliding Door Applied to Answer, page 164.



Door track is attached to both host panel and opposite panel.

Height of door must match height of host panel - 66"H or 78"H.

Match the width of the host panel to the width of the door, if possible.

When attaching the sliding door to an Answer panel, a junction stabilizer bracket is available for added rigidity to the host panel. If a host and/or receiving panel run exceeds 4', a junction stabilizer bracket must be applied to the door end of the host and/or receiving panel run. On long runs, apply a junction stabilizer bracket or perpendicular panel every 8'.

Sliding panel door cannot attach to a host panel with a double-pane window.

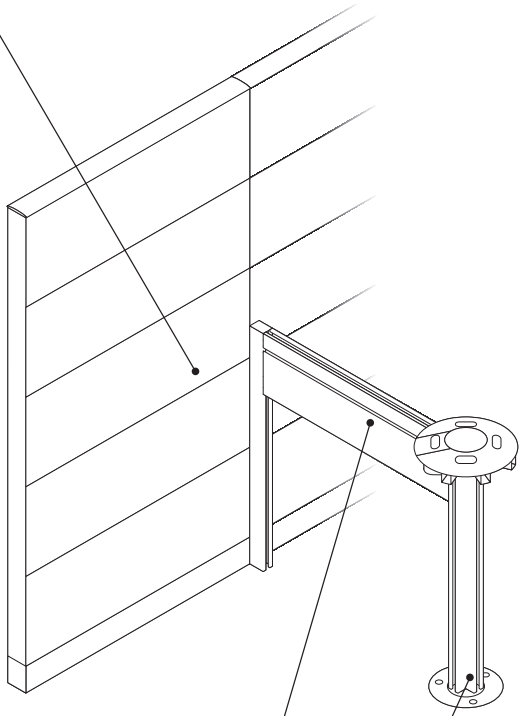
Sliding panel door cannot attach to a stacking junction. Host panel must be a single base junction.

The doorway side of the host panel must be an end-of-run junction. The doorway end of the host panel cannot be an L junction.

Fence Connectors, Posts, and Beams

Fence connectors attach Post and Beam perpendicular to Answer panels forming a fin wall support.
▶Specifying, page 516

Connector engages in the vertical slot. The connector is handed to make this attachment on either the left- or right-hand side of the frame. *Tip: Left-hand fence connector pictured.*



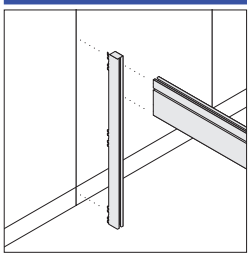
Minimum beam length is 4'. Maximum beam length is 10'.

Post attaches to beams in in-line, L-, T-, X-, or Y- (120°) configurations.

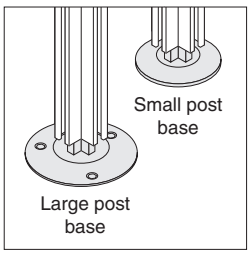
Actual Dimensions

	Fence Connectors	Posts	Beams
Depth	2"	4"	1 3/8"
Width	1 3/8"	4"	3'4", 4', 5', 6', 7', 8', 9', 10'
Height	32 1/2"	33"	8 1/2"
Leveling mechanism range	N.A.	3"	N.A.

Product Details

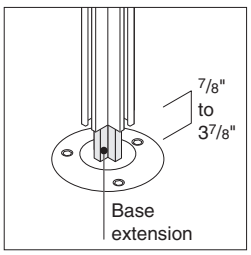


Connector occupies vertical slots in the frame 32 1/2" measured up from the bottom edge of the base trim.



Large post base is 8 1/2" in diameter. Small post base is 4 1/2" in diameter.

Large post base can be anchored to floor for additional stability.

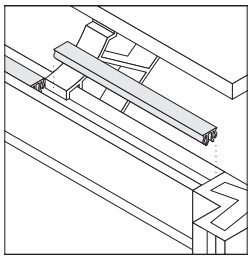


Leveling capability is provided by 3" adjustability between the post and base extension (included with post). A height-adjustment jack is available through Service Parts (946800103SR) for leveling ease on large installations.

Post base shims, ordered separately, can be used under post base to raise to the appropriate carpet level.

Beams may be field cut to any dimension. An anchor block drilling fixture must be ordered through Service Parts (946800102SR) to place new anchor block holes in the correct position after cutting.

When attaching screens to Post and Beam fence, remember to order attachment hardware separately.



Fence dust covers can be inserted into top T-slot on fence beam. Dust covers come in 10-foot lengths and can be cut to size in the field.

Connections

Fence connector is mounted within the module width of the frame. Horizontal space within that frame is reduced by 1 1/4".

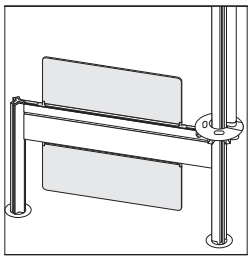
Width of panel-mounted worksurfaces is affected by this change in module.

Monolithic skins and lower segmented skins up to 32 1/2" measured from the bottom of the base trim, are trapped by the fence connector once installed on the panel frame. Base trim is not trapped.

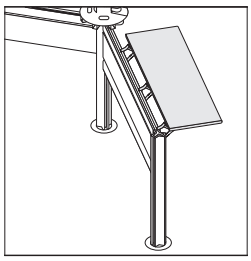
Cantilevers cannot occupy the same vertical slots as the fence connector bracket.

Fence connector cannot be used when panels are stacked and loaded with bins and shelves.

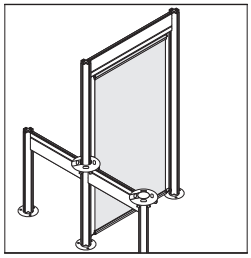
Fence connector cannot be placed between two slatwall skins.



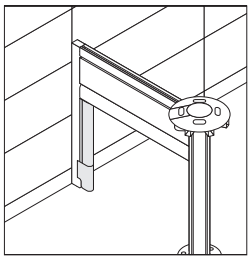
Screens can be mounted above or below beams for privacy or modesty.



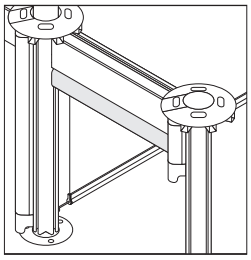
Shelves are additional storage surfaces that sit above the worksurface. The shelves are 35¼" high.



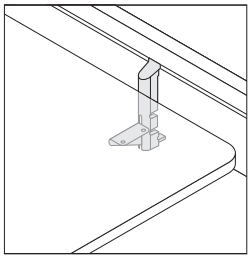
Infill is a fabric screen that stretches from overhead beam to floor, from overhead beam to fence beam, or from fence beam to floor.



Vertical post tube is available to conceal power harnesses and communication cables routed between panel and fence.



Horizontal fence tubes provide power and cable management at the fence beam locations.



Tether brackets can be used to side support worksurfaces.

Use of tether brackets as side supports further reduces horizontal space available by 1½" each side and affects planning of mounted worksurfaces.

Surface Materials

Fence connector

- 8043 Clear Anodized aluminum only

Post top cap

- 6694 Slate plastic only
  X10/22

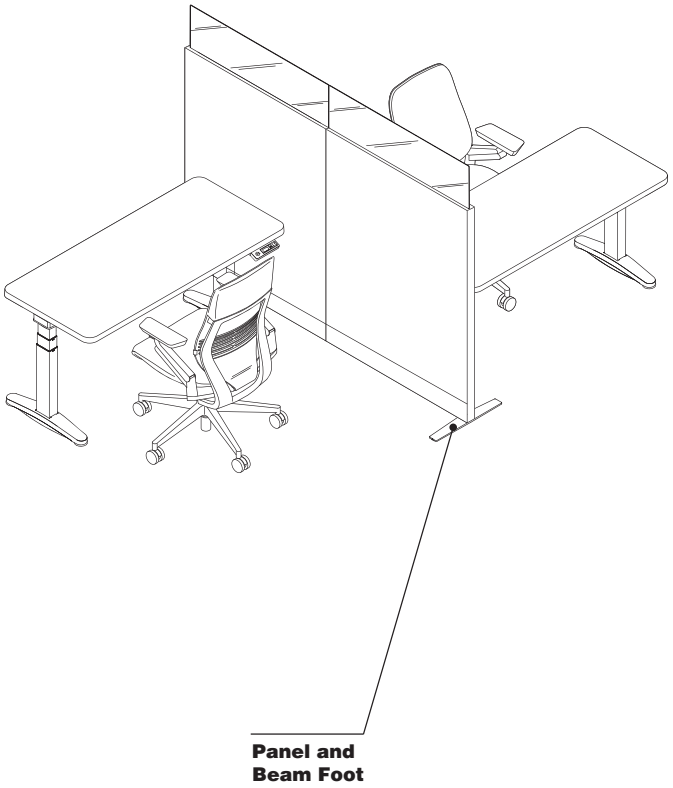
Vertical post tube

- 6644 Fusion Dark plastic only

Panel and Beam Foot

The panel and beam foot supports up to a 48"H panel run freestanding without additional support from fin panels, tethered worksurfaces, or support legs.
▶Specifying, page 519

A panel and beam foot can also be used to make a panel run taller than 48"H feel more stable, but is not an alternative to a perpendicular panel or other panel support for stability purposes.
▶See Stability Guidelines page 148, for more information.



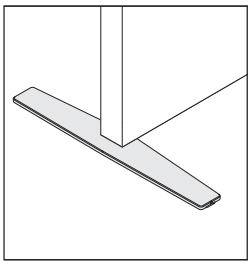
Actual Dimensions

Width	3¼"
Length	21"
Height	⅝"

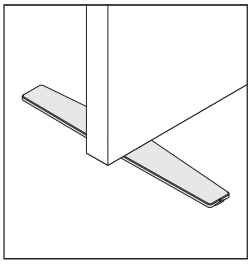
Product Details

Panel and beam foot attaches to end-of-run and in-line junctions to support a freestanding panel run.

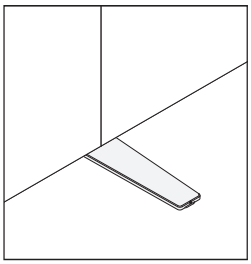
Vertical attachment post is offset on the panel and beam foot and allows for a choice of proud or inset installation at the end-of-run by rotating the panel and beam foot.



Panel and beam foot positioned proud of the end of run accommodates Ology, Migration, and Airtouch height adjustable desks. It is used parallel to the panel without overlapping table supports and panel feet.

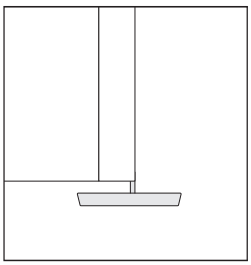


Panel and beam foot positioned inset from the end-of-run provides a cleaner visual and accommodates Ology, Migration, and Airtouch desks.

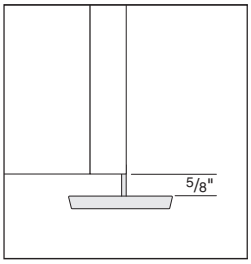


Panel and beam foot will be centered on in-line junctions.

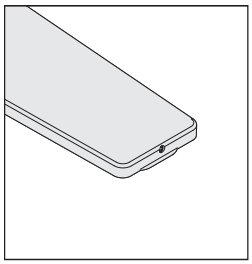
Panel and beam foot only attaches to junctions manufactured on or after October 10, 2011.



Glide for use with panel and beam foot is included in the hardware package and installs in the field to maintain standard panel height and minimize the gap between the panel and floor.



Standard glides can be used in conjunction with the panel and beam foot but will result in a 5⁄8" larger gap between the bottom of the panel and the floor.

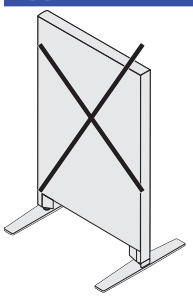


Set screws in the end of the foot provide 1⁄4" of micro adjustment.

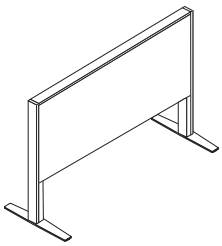
Surface Materials

Foot
- Paint

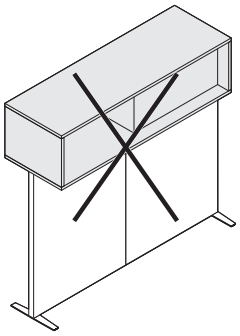
Application Topics



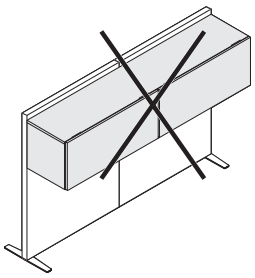
Open base trim cannot be used in conjunction with a panel and beam foot.



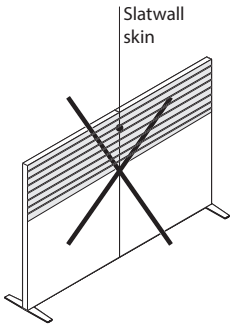
Big open base trim can be used in conjunction with a panel and beam foot.



Top cap mounted storage is not permitted on freestanding panel runs supported by panel feet.



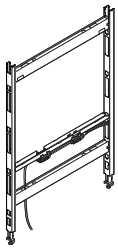
Panel hung storage is not permitted on freestanding panel runs supported by feet.



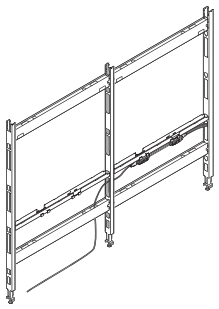
Slatwall skins are not allowed on freestanding panel runs supported by panel feet.

Wiring & Cabling

Panel and beam foot blocks power routing in the panel base and just above the base areas. The vertical attachment post covers the slots on the junction where the powerkit connects in these two zones. It also blocks the ability for a powerkit harness, pass-through powerkit, or modular harness to route in the base area from an adjacent panel.



Multipurpose infeed connects power from the building floor into a panel run supported by panel feet. Conduit can be run under the panel or through a knockout in the basetrim, and must be attached to the bottom horizontal beam with 24206001SR strain relief bracket from service parts.



San Francisco power infeed can be used if liquid tight conduit is required. Plan to have a long enough infeed to attach to a modular power kit in the panel adjacent to the entry panel.

Power can be accessed in the third postion up from the base through field cut fabric skins or technology skins.

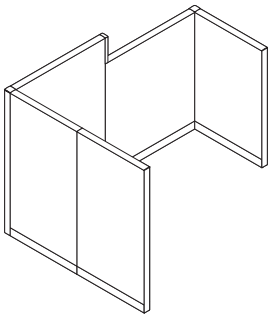
Stability Guidelines

Answer, when installed properly, is an exceptionally stable furniture system. That applies to workstations using panels alone, panel-supported components, or freestanding furniture.

Counterweight packages for storage products are required to ensure product stability.
▶ See page 301 for *Counterweight Requirements for Storage Products.*

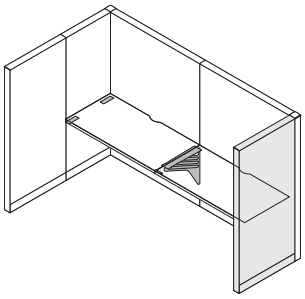
The following section on panel stability gives some guidelines to be used with common system furniture configurations. Guidelines are given to panels with and without components. Consult your local dealer or Steelcase representative prior to deviating from these guidelines.

When panel height exceeds six feet in seismic geographical areas rated at a 3 or 4, floor plans must be submitted to a certified structural engineering firm to assure the product application complies with applicable building codes. Steelcase is not responsible for consultation fees. Maximum allowable stacked panel height is 90".

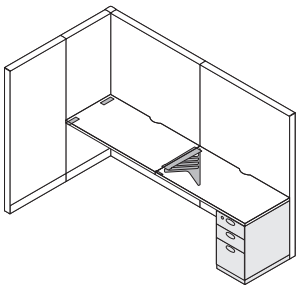


Change-of-height has no effect on these stability guidelines unless otherwise specified.

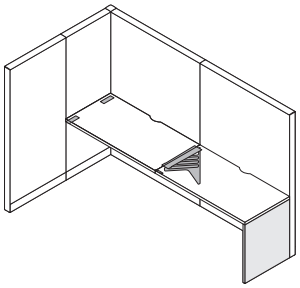
There are several ways to anchor the end of a panel run:



With a return panel.



With a pedestal, pedestal filler, or a lateral file with a storage-to-panel connector.



With an end panel.

Guidelines for Panel-Hung Components
▶ Page 149

Guidelines for "L" Configurations
▶ Page 150

Guidelines for "T" Configurations
▶ Page 151

Guidelines for Support Brackets: No Overheads or Panel-Hung Components
▶ Page 153

Guidelines for Support Brackets: Overheads or Panel-Hung Components
▶ Page 153

Guidelines for Support Brackets
▶ Page 154

Guidelines for "U" Configurations
▶ Page 154

Guidelines for "X" Configurations
▶ Page 155

Guidelines for "V" Configurations
▶ Page 156

Guidelines for "Y" Configurations
▶ Page 157

Guidelines for Bench Configurations without Top Cap Mounted Storage
▶ Page 158

Guidelines for Bench Configurations with Top Cap Mounted Storage
▶ Page 159

Guidelines for Post and Beam Fence
▶ Page 161

Guidelines for Wall-Start Junction Configurations
▶ Page 162

Guidelines for Answer Off-Module Bracket Configurations
▶ Page 163

Guidelines for Sliding Panel Door Applied to Answer
▶ Page 164

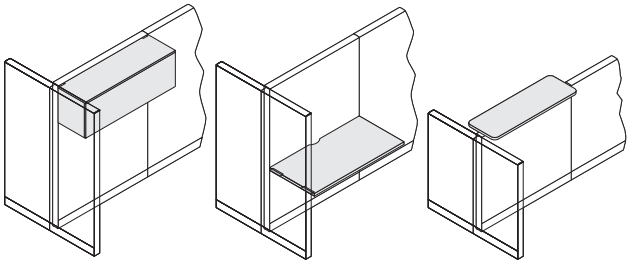
Guidelines for Freestanding Panels Supported by Panel and Beam Foot
▶ Page 164

Guidelines for Answer Panel-Hung Components

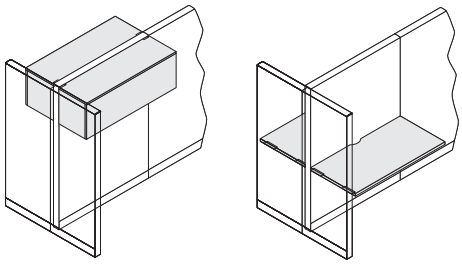
These guidelines treat shelves and bins as interchangeable.

- If bins or shelves are applied at an elevation higher than 66", a perpendicular panel of same height (or up to 24" lesser height) is required.
- Top of universal sliding door bin is not designed to support the weight of a seated person.
- When ganging bins or shelves, the use of a tie plate is required.
- When stacking bins, at least 2 inches of clearance from the bottom is required to access the lock.

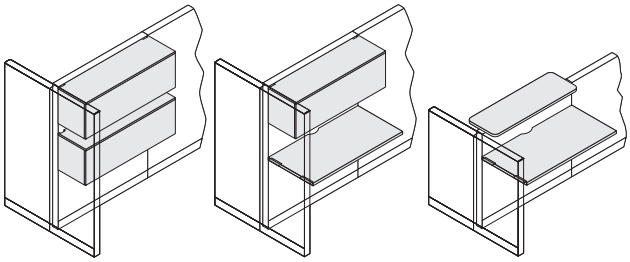
In all cases, up to two panel-hung components may be used per panel, per side. These are some common applications:



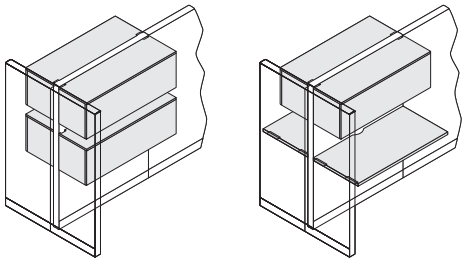
Hanging one component on one side.



Hanging one component on each side.

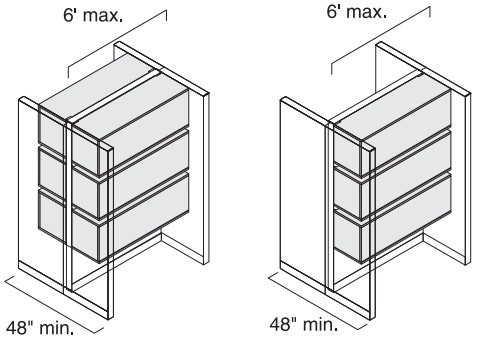


Hanging two components on one side.

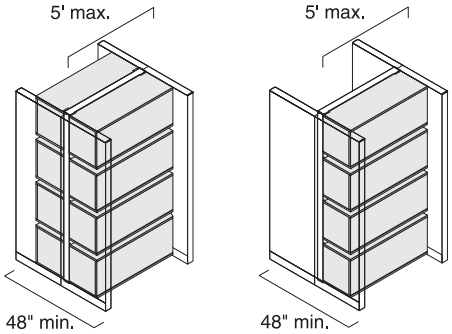


Hanging two components on each side.

When 24"W return panels are placed adjacent to each end of components, you may use up to four shelves or bins on a panel (without worksurfaces).



Three shelves or bins, 48" maximum vertical loading space including top.



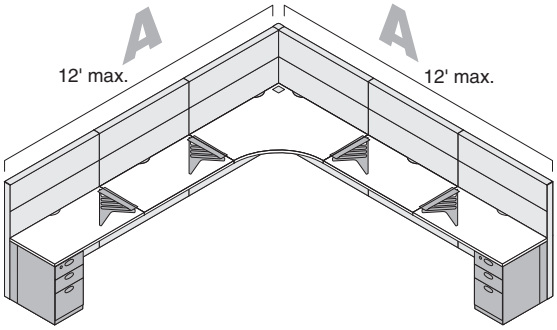
Four shelves or bins, 60" maximum vertical loading space including top.

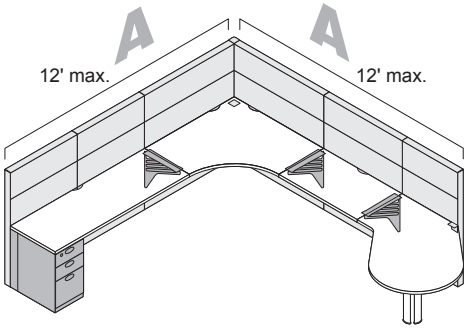
Stability Guidelines, continued

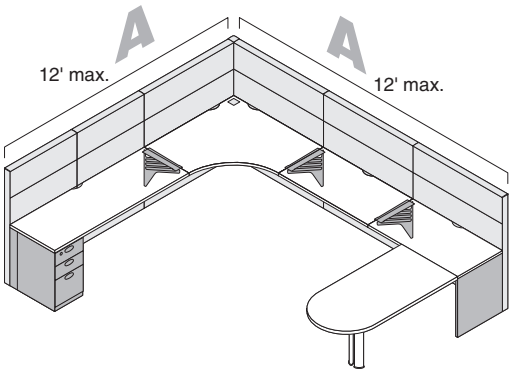
Guidelines for "L" Configurations

Panels with Panel-Hung Components

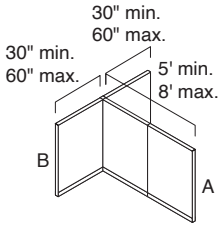
If A is up to 12' or less, you need to have either a pedestal with filler, a jetty or bubble jetty worksurface, or an end panel on end. Maximum 8' of shelves or bins per panel run.







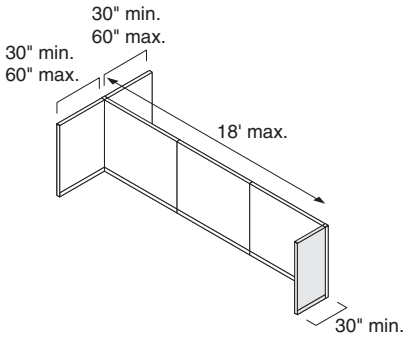
Guidelines for "T" Configurations



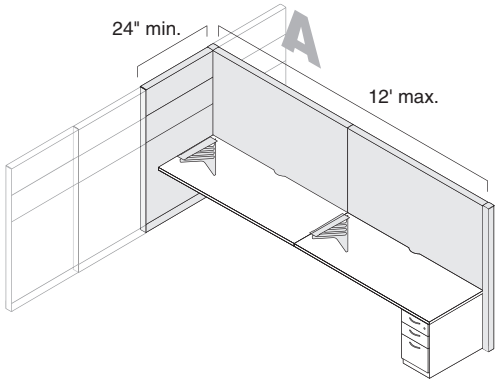
An 8' run with no panel-hung component does not require a return panel. For additional stability or longer runs, apply a junction stabilizer bracket every 8' bolted to a concrete floor.

In change-of-height configuration when panel A height is shorter than panel B height, a junction stabilizer bracket must be applied to the panel A.

When back painted glass is located on the return panels, the return panel height must be equal to or shorter than the spine panel height.
Note: The minimum spine length is 6'.



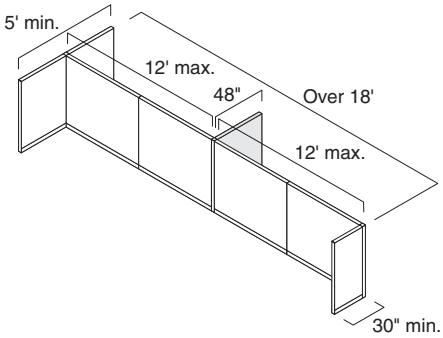
For runs over 8' up to 18', you must use at least a 30"W return panel.

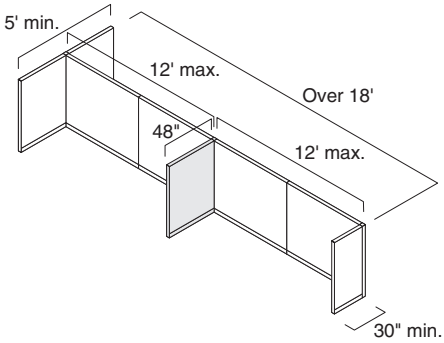


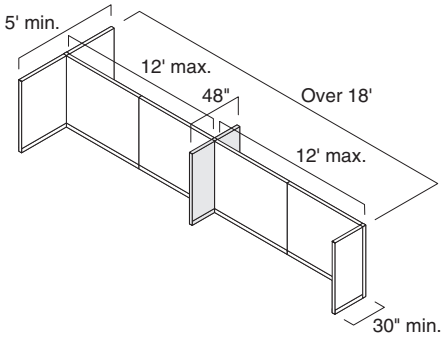
When back painted glass skins are used on the spine panels, a rear facing return panel is required.

Guidelines for "T" Configurations, continued

Panels without Panel-Hung Components

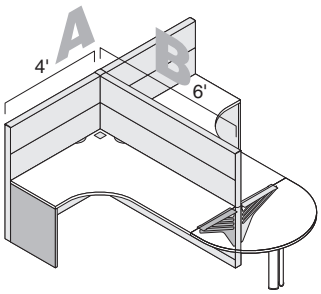




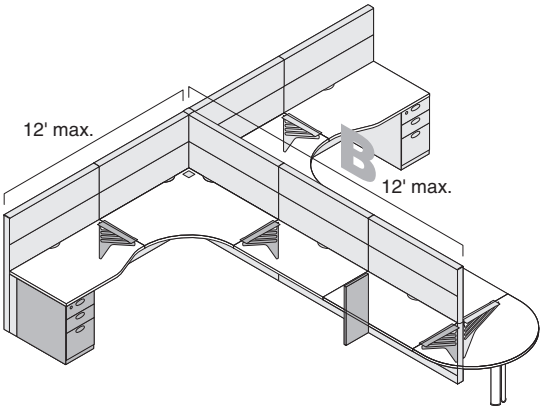


For runs over 18', you must locate a 48"W perpendicular panel every 12'.

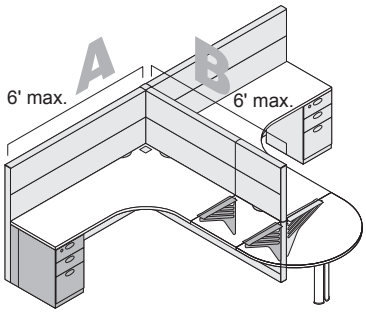
Panels with Panel-Hung Components Counterbalanced on Both Sides



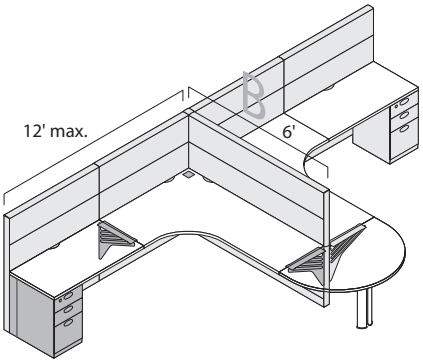
If A is 4' long and B is 6' long, you must use an end panel and a cantilever.



If B is 6' to 12', you must use one center support panel per side. Maximum 8' of shelves or bins per panel run.

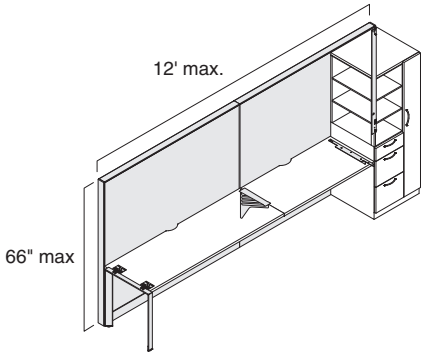


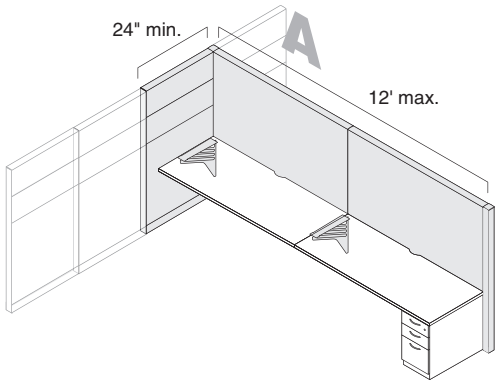
If B is up to 6' long, you can use cantilevers to support adjoining worksurfaces.



If B is up to 6' long, you can use cantilevers to support adjoining worksurfaces. Maximum 8' of shelves or bins per panel run.

Guidelines for Support Brackets: No Overheads or Panel-Hung Components





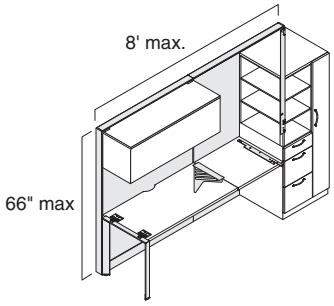
One end of panel run must be supported by:
- Panel that is minimum 24" wide.
- Tower with tall storage-to-panel connector (24"D or 30"D)

Other end of panel run can be supported by:
- Open loop leg
- Closed loop leg
- Pedestal with filler
- End panel
- 1.5H or 2H storage with storage-to-panel connector
  - 18"D or 24"D cabinet in perpendicular application
  - 24"D cabinet in parallel application
- Tower with medium storage-to-panel connector

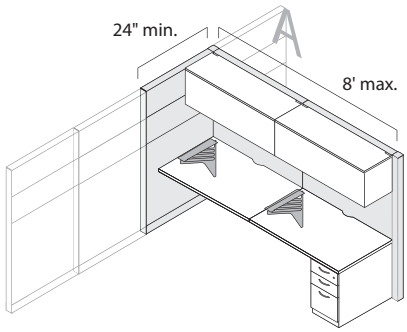
Worksurfaces 26"D or less:
- Can be completely supported by cantilever brackets or a combination of cantilever and side support brackets, pedestals, legs (post, open loop, closed loop), end panel support, and 1.5H storage with intermediate support.
- When using cantilevers to support a 26"D or less worksurface, minimum return panel width is 30". Panel width can be reduced to 24"D to match the worksurface depth of a 24"D worksurface if side support brackets are applied.

Worksurfaces greater than 26"D:
- Straight and transition worksurfaces require additional floor support along the front edge at each end, such as side support brackets, pedestal, or post leg.

Guidelines for Support Brackets: Overheads or Panel-Hung Components



Tip: Overhead bin or shelf cannot span over or be positioned over tower.



One end of panel run must be supported by:
- Panel that is minimum 24" wide.
- Tower with tall storage-to-panel connector (24"D or 30"D)

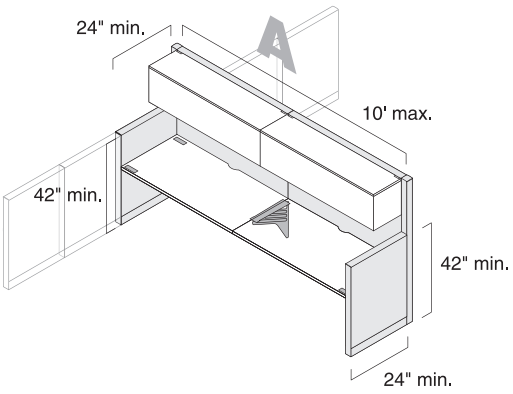
Other end of panel run can be supported by:
- Open loop leg
- Closed loop leg
- Pedestal with filler
- End panel
- 1.5H or 2H storage with storage-to-panel connector
  - 18"D or 24"D cabinet in perpendicular application
  - 24"D deep cabinet in parallel application
- Tower with medium storage-to-panel connector

Worksurfaces 26"D or less:
- Can be completely supported by cantilever brackets or a combination of cantilever and side support brackets, pedestals, legs (post, open loop, closed loop), end panel support, and 1.5H storage with intermediate support.
- When using cantilevers to support a 24"D worksurface, minimum return panel width is 30". Panel width can be reduced to 24"D to match the worksurface depth if side support brackets are applied.

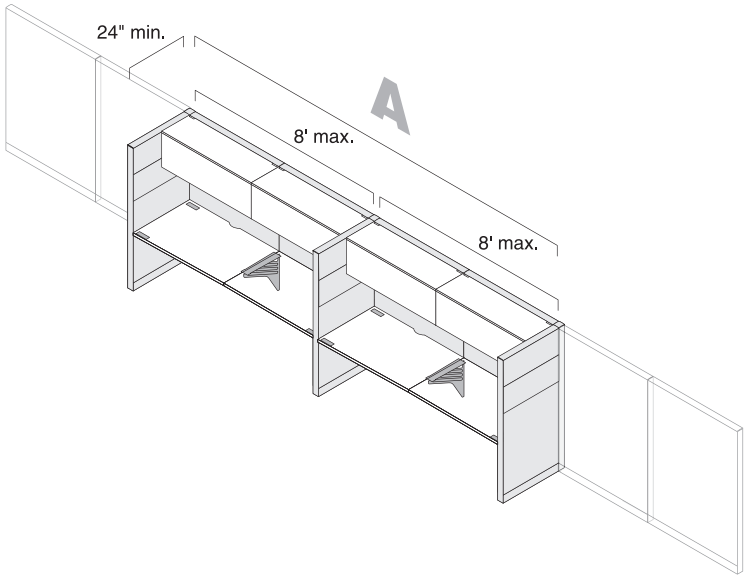
Worksurfaces greater than 26"D:
- Straight and transition worksurfaces require additional floor support along the front edge at each end, such as side support brackets, pedestal, or post leg.

Stability Guidelines, continued

Guidelines for Support Brackets

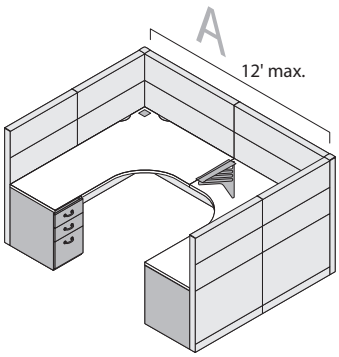


If A is between 8' and 10', side support brackets are required at each end of the run. Both ends of loaded panel run must be supported by perpendicular panels.
Note: Panel fin on one side can be replaced by a tower with a tall storage-to-panel connector as long as the tower is not outside the panel run and the overhead bin or shelf is not spanning over or positioned over the tower.

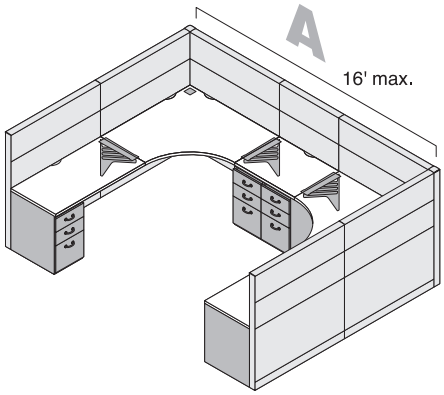


If A is greater than 10', side support brackets are required at both ends of each worksurface. Full height perpendicular panels need to support the loaded panels every 8'.

Guidelines for "U" Configurations



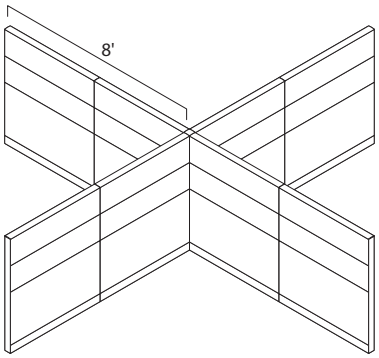
If A is 12' or less, no floor support is required mid-run. Maximum 8' of shelves or bins per panel run.



If A is between 12' and 16', some type of floor support is required mid-run. Maximum 8' of shelves or bins per panel run.

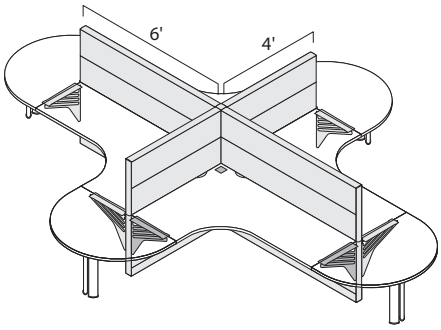
Guidelines for "X" Configurations

Panels without Components

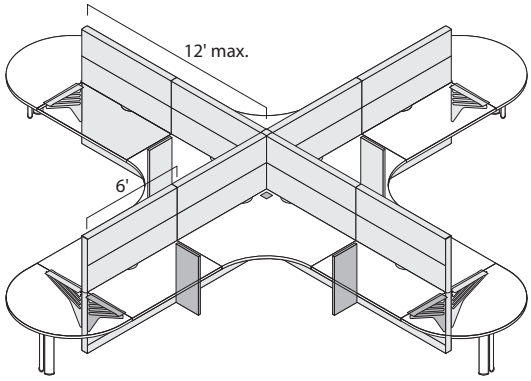


For additional stability or longer runs, apply a junction stabilizer bracket every 8' bolted to a concrete floor.

Panels with Components



If panel is 6' or less, no center support is needed.

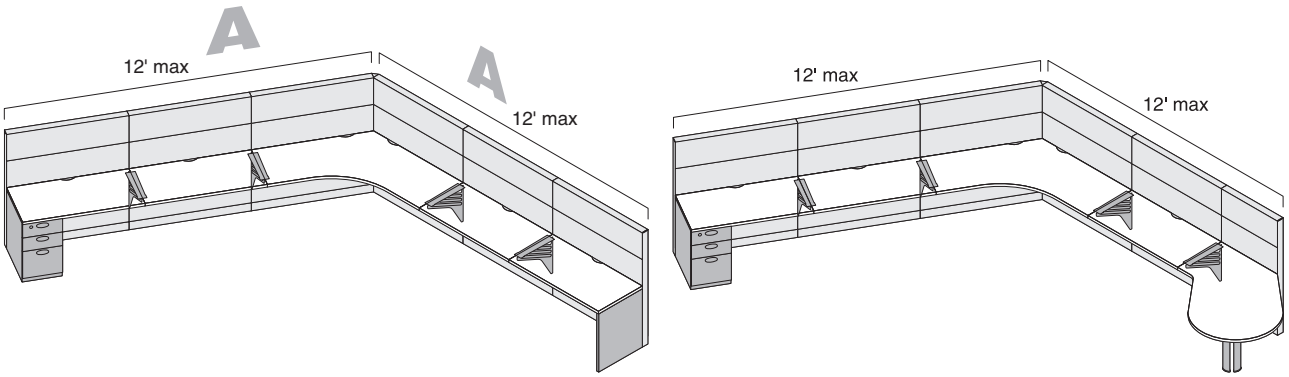


Center support panel is needed every 6'. Cantilevers can be used to tie spanner in. Maximum 8' of shelves or bins per panel run.

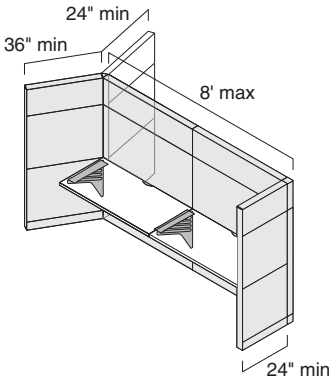
Stability Guidelines, continued

Guidelines for "V" Configurations

Panels with Components



If A is up to 12' or less, you need to have either a pedestal with filler, a jetty or bubble jetty worksurface, or an end panel on end. 26"D or greater straight worksurfaces and 30"D transition worksurfaces require additional floor support along the front edge, such as a pedestal or post leg. Maximum 8' of shelves or bins per panel run.



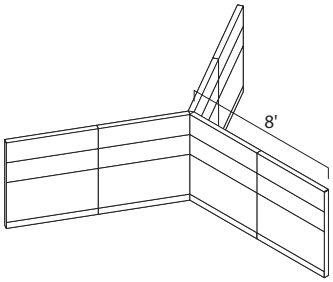
"U" configuration must have a cantilever with the 120° V junction. The other end needs to be supported with a full-height panel, end panel, or a pedestal with filler.

No components can be hung on back side of panel run unless in a "Y" configuration.

When back painted glass skins are used on the spine panels a rear facing return panel is required.

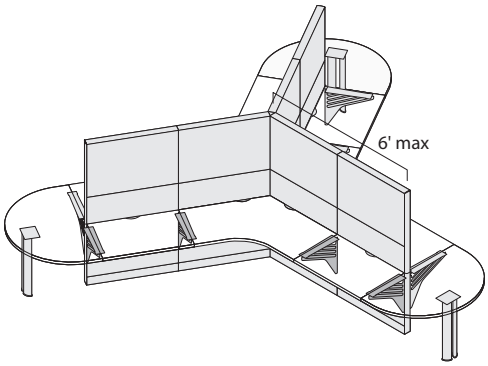
Guidelines for "Y" Configurations

Panels without Components

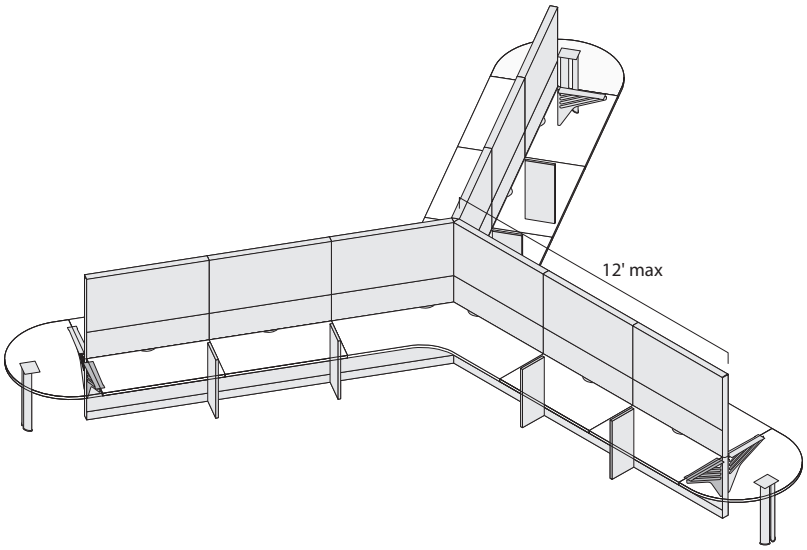


For additional stability or longer runs, apply a junction stabilizer bracket every 8' bolted to a concrete floor.

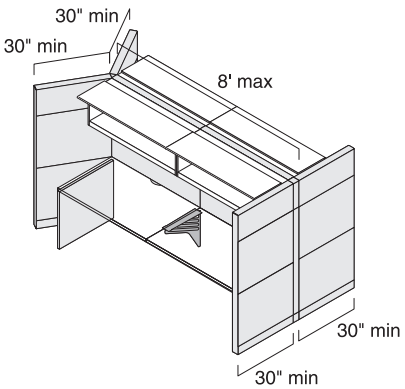
Panels with Components



If panel is 6' or less, no center support is needed.



Center support panel is needed every 6'. Cantilevers can be used to tie spanner in. Maximum 8' of shelves or bins per panel run.



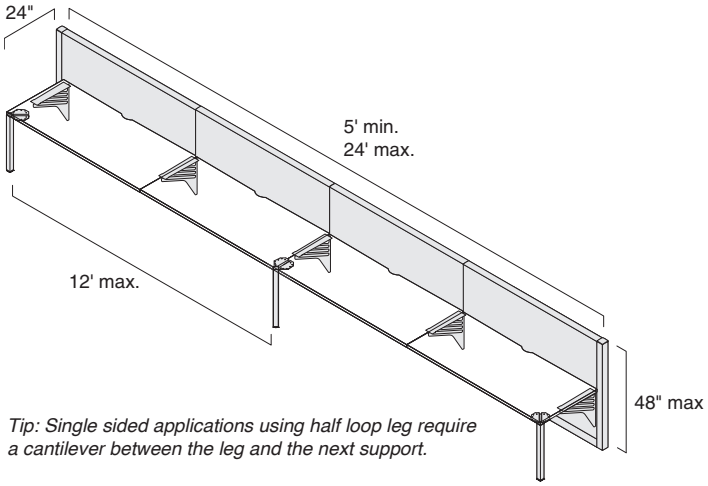
"Y" configuration must have an end panel with a connector bracket with the 120° Y junction. The other end needs to be supported with a full-height panel, end panel, or a pedestal with filler. For worksurfaces 26"D or less, the center can be supported by a cantilever when bins and worksurfaces are used on both sides (as shown). 26"D or greater straight worksurfaces and 30"D transition worksurfaces require additional floor support along the front edge, such as a pedestal or post leg.

Note: When using cantilevers to support a worksurface 26"D or less, minimum panel width is 30". Panel width can be reduced to 24" to match a 24"D worksurface if side support brackets are applied.

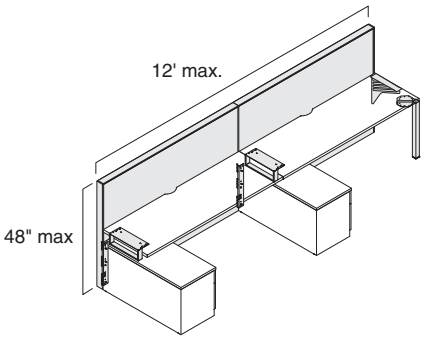
Stability Guidelines, continued

Guidelines for Bench Configurations without Top Cap Mounted Storage

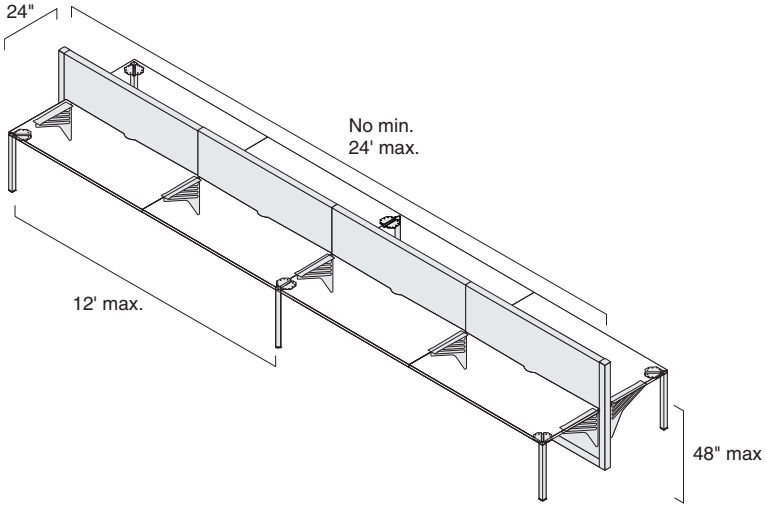
Single Sided Bench

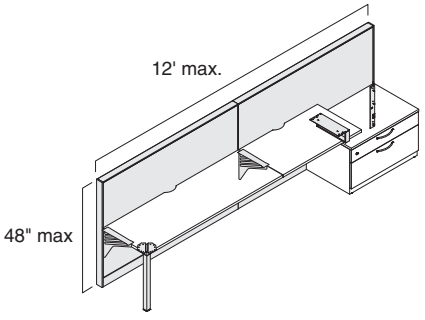


Tip: Single sided applications using half loop leg require a cantilever between the leg and the next support.



Double Sided Bench





End-of-run support options include:

- Post leg and cantilever
- Half loop leg
- Open loop leg
- Closed loop leg
- Worksurface end panel
- Pedestal with filler
- 1H, 1.5H, or 2H (18" on 24"D) cabinet with panel-to-storage connector in perpendicular application.
  Note: 1H and 1.5H cabinet requires intermediate support.
- 1H, 1.5H, or 2H (24"D) cabinet with panel-to-storage connector in parallel application.
  Note: 1H and 1.5H cabinet requires intermediate support.
- Tower with medium storage-to-panel connector

Maximum worksurface depth is 26" with front support every 12'.

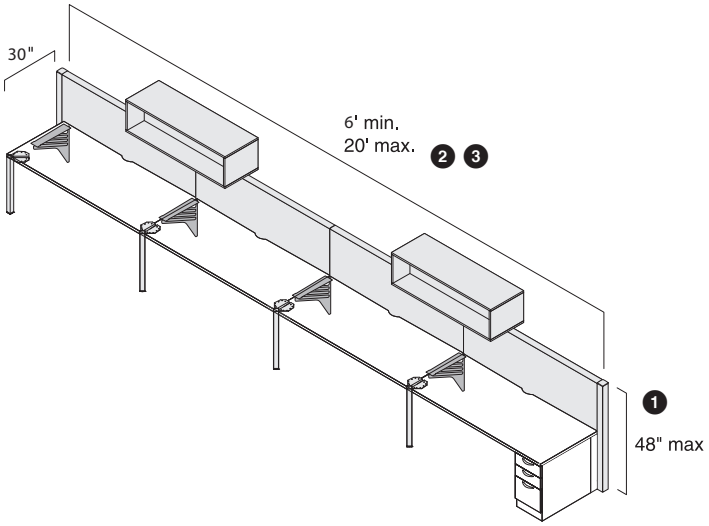
Worksurfaces greater than 26"D require legs in the front of each worksurface on both ends of the worksurface.

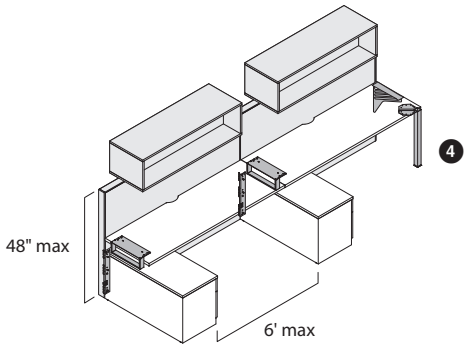
Center support panels cannot be used as supports.

Slim shelves and slatwall skins (including monitor arm attachment) can be applied, but bins and universal shelves are not allowed.

Guidelines for Bench Configurations with Top Cap Mounted Storage, continued

Single Sided Bench with Aisleway Top Cap Mounted Storage





For single sided bench with aisleway top cap mounted storage, worksurface support must include at least one of the following:

- Pedestal with filler
- 1H, 1.5H, or 2H (18" on 24"D) cabinet with panel-to-storage connector in perpendicular application.
  Note: 1H and 1.5H cabinet requires intermediate support.
- 1H, 1.5H, or 2H (24"D) cabinet with panel-to-storage connector in parallel application.
  Note: 1H and 1.5H cabinet requires intermediate support.
- Tower with medium storage-to-panel connector

1. *Tip: The maximum panel height with Duo, Currency Enhanced storage, and Elective Elements storage is 48". The maximum panel height with c:scape storage is 42".*
2. *Tip: In aisleway applications, the back of the storage overhangs the panel 3.5".*
3. *Tip: Aisleway mounting can accept storage up to 17"D.*
4. *Tip: When using storage to panel connectors to support the panel application, the maximum distance between storage to panel connection is 6'.*

End-of-run support options include:

- Post leg and cantilever
- Half loop leg
- Open loop leg
- Closed loop leg
- Worksurface end panel
- Pedestal with filler
- 1H, 1.5H, or 2H (18" on 24"D) cabinet with panel-to-storage connector in perpendicular application.
  Note: 1H and 1.5H cabinet requires intermediate support.
- 1H, 1.5H, or 2H (24"D) cabinet with panel-to-storage connector in parallel application.
  Note: 1H and 1.5H cabinet requires intermediate support.
- Tower with medium storage-to-panel connector

For single sided bench applications with aisleway top cap mounted storage, worksurface depth must be 30"D.

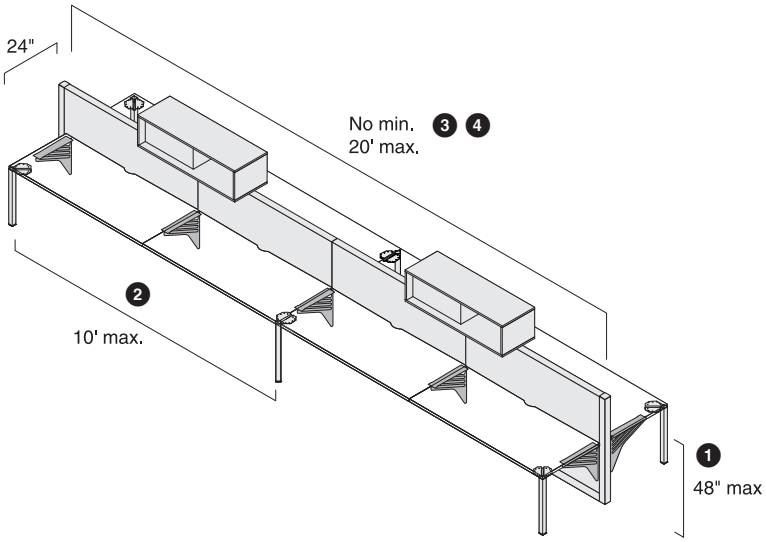
30"D worksurfaces require legs in the front of each worksurface on both ends of the worksurface.

Center support panels cannot be used as supports.

Slim shelves and slatwall skins (including monitor arm attachment) can be applied, but bins and universal shelves are not allowed.

Guidelines for Bench Configurations with Top Cap Mounted Storage, continued

Double Sided Bench with Center Top Cap Mounted Storage



1. *Tip: The maximum panel height with Duo, Currency Enhanced, and Elective Elements storage is 48". The maximum panel height with c:scape storage is 42".*
2. *Tip: 10' max between legs when using legs and cantilevers to support panel.*
3. *Tip: When top cap storage is center maintained, the storage is shared equally on top of the panel.*
4. *Tip: Center mounting can accept storage up to 25"D.*

End-of-run support options include:

- Post leg and cantilever
- Half loop leg
- Open loop leg
- Closed loop leg
- Worksurface end panel
- Pedestal with filler
- 1H, 1.5H, or 2H (18" on 24"D) cabinet with panel-to-storage connector in perpendicular application.
  Note: 1H and 1.5H cabinet requires intermediate support.
- 1H, 1.5H, or 2H (24"D) cabinet with panel-to-storage connector in parallel application.
  Note: 1H and 1.5H cabinet requires intermediate support.
- Tower with medium storage-to-panel connector

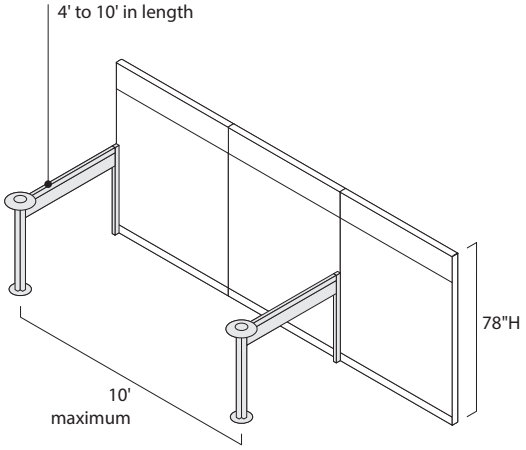
Maximum worksurface depth is 26" with front support every 10'.

Worksurfaces greater than 26"D require legs in the front of each worksurface on both ends of the worksurface.

Center support panels cannot be used as supports.

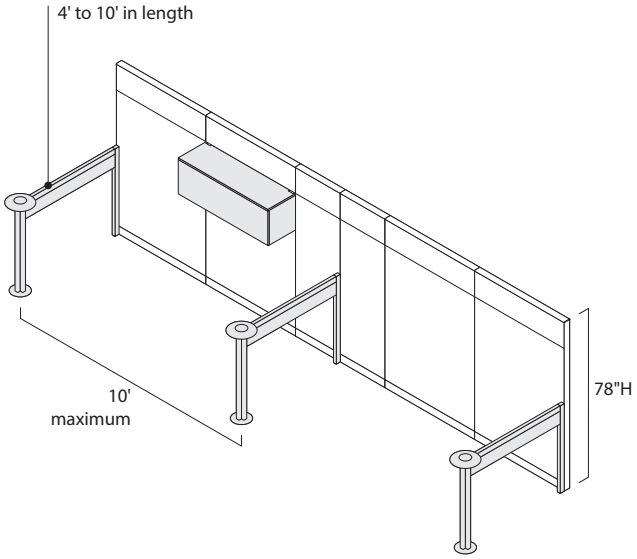
Slim shelves and slatwall skins (including monitor arm attachment) can be applied, but bins and universal shelves are not allowed.

Guidelines for Post and Beam Fence



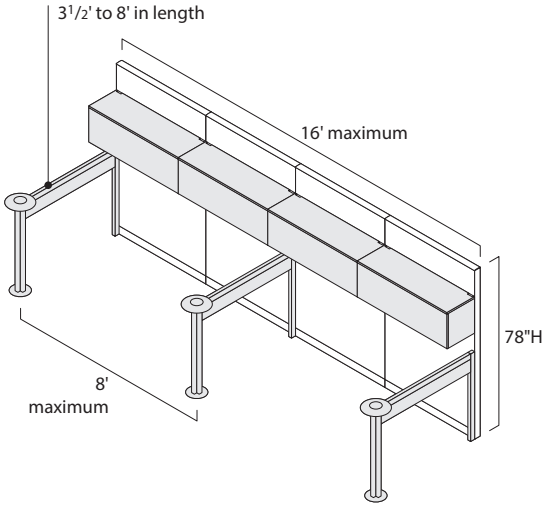
Maximum panel height: 78"H

Fences spaced no more than 10' apart can stabilize a wall.



Maximum panel height: 78"H
Maximum panel run: unlimited

Fences spaced no more than 10' apart can stabilize a wall with a single panel-mounted component installed on the same side as the fence for each 10' run.



Maximum panel height: 78"H
Maximum panel run: 16'

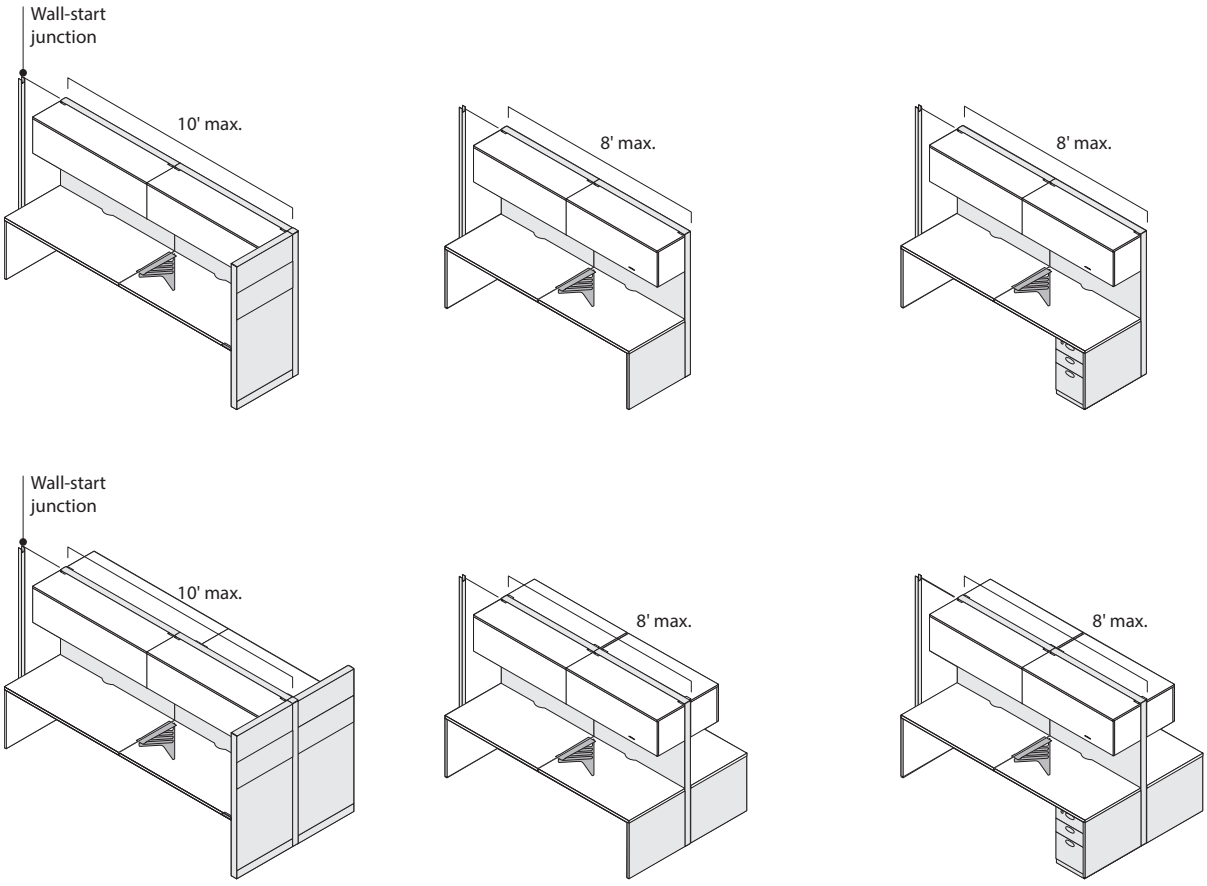
Fences spaced no more than 8' apart can stabilize a wall with upper storage.

When hanging components on a stacked frame, you cannot use a fence connector.

For proper stability, panel runs supported solely by Post and Beam fence on one side must be anchored to floor at the post base. To anchor to the floor, the large post base must be used. When supporting a panel application on both sides with Post and Beam fence anchoring to the floor is not required.
Tip: Application guidelines below still apply. When Post and Beam fence is not anchored to the floor, the application must meet additional Answer stability guidelines (example: worksurface supports or return panel).

Guidelines for Wall-Start Junction Configurations

Panels with Components



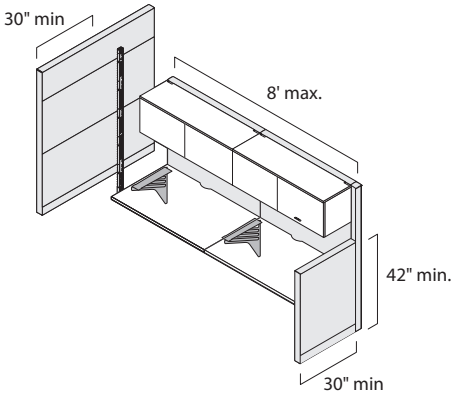
When using a wall-start junction, an end panel must be used with the wall-start junction and the other end must be supported by a full panel, an end panel, or a pedestal with a filler. For worksurfaces 26"D or less, the center can be supported by a cantilever. 26"D or greater straight worksurfaces and 30"D transition worksurfaces require additional floor support along the front edge, such as a pedestal or post leg.

Wall hang channels for shelves and overhead storage bins cannot be used with a wall-start junction.

Tip: Wall-start junctions must secure to the stud in a building wall or use drywall fasteners.

Guidelines for Answer Off-Module Bracket Configurations

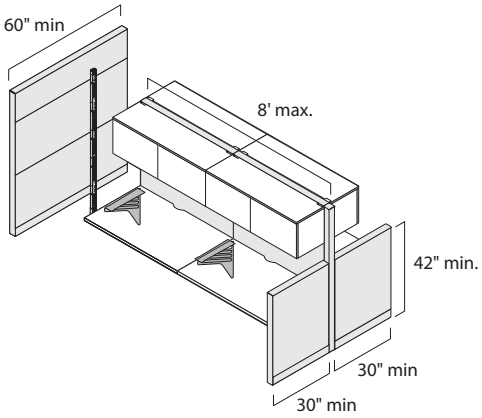
Panels with Components



"U" configuration

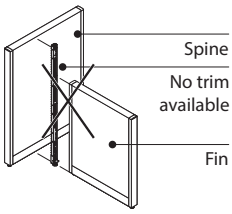
When using an Answer off-modular connector bracket, a cantilever must be used with the connector bracket. The other end needs to be supported with a panel, end panel, or a pedestal with filler. For worksurfaces 26"D or less, the center can be supported by a cantilever. 26"D or greater straight worksurfaces and 30"D transition worksurfaces require additional floor support along the front edge, such as a pedestal or post leg.

Note: When using cantilevers to support a worksurface 26"D or less, minimum panel width is 30". Panel width can be reduced to 24" to match a 24"D worksurface if side support brackets are applied.

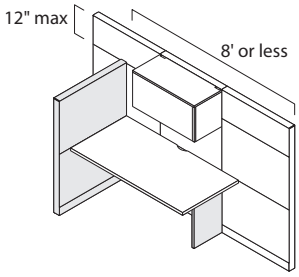


"T" configuration

When using an Answer off-modular connector bracket, a cantilever must be used with the connector bracket. The other end needs to be supported with a panel, end panel, or a pedestal with filler. For worksurfaces 26"D or less, the center can be supported by a cantilever when bins and worksurfaces are used on both sides (as shown). 26"D or greater straight worksurfaces and 30"D transition worksurfaces require additional floor support along the front edge, such as a pedestal or post leg.

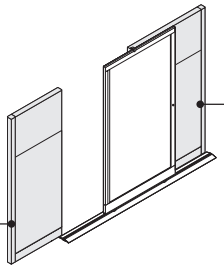


Wall-start junction must match the fin panel height coming off the spine wall. Change-of-height trim is not available to cover exposed wall-start junction.



Loading on spine wall with change-of-height off-module fin is allowed with a maximum of 12" height difference between spine and fin. No loading on spine is permitted if the spine is 24"H or higher than the off-module fin. End panels or a pedestal with a filler is required to support a worksurface attached to spine.

Guidelines for Sliding Panel Door Applied to Answer

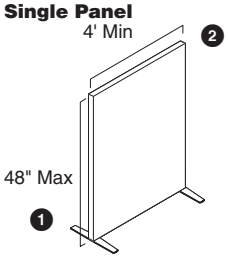


Host Panel
- Height of host panel must match height of door.
- Match the width of the host panel to the width of the door.
- If host panel run exceeds 4', a junction stabilizer bracket must be applied to the door end of the host panel run. On long host panel runs, apply a junction stabilizer bracket or perpendicular panel every 8'.

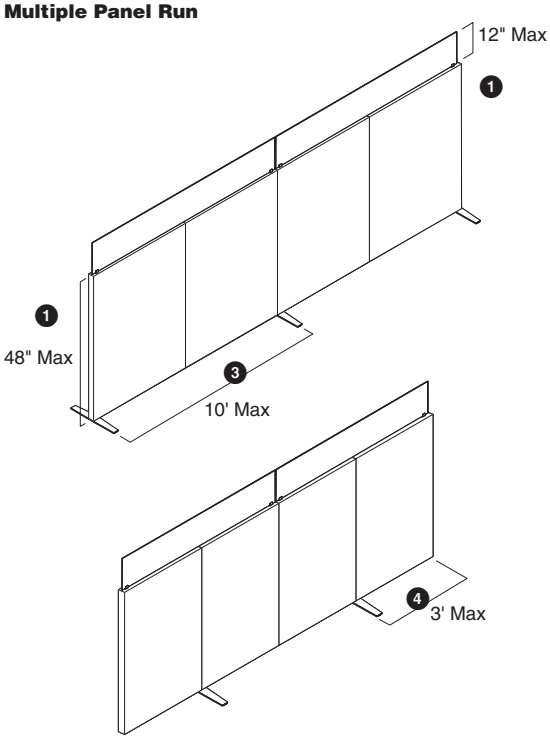
Receiving Panel
- Height of receiving panel must match height of door.
- If receiving panel run exceeds 4', a junction stabilizer bracket must be applied to the door end of the receiving panel run. On long receiving panel runs, apply a junction stabilizer bracket or perpendicular panel every 8'.

Guidelines for Freestanding Panels Supported by Panel Feet

Single Panel



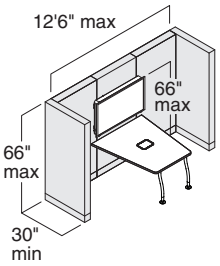
Multiple Panel Run



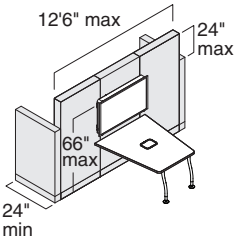
Slim shelves, slatwall skins, and panel-hung or top cap mounted overhead storage bins are not allowed in panel and beam foot supported applications.

1. *Tip: The maximum panel height is 48"H with up to an additional 12"H frameless glass screen.*
2. *Tip: Single panels supported by panel feet must be at least four feet wide.*
3. *Tip: Freestanding panel runs with multiple panels must have a panel and beam foot every 10 feet.*
4. *Tip: A panel and beam foot is required within three feet of the end of run.*

Guidelines for media:scape Integration



For runs up to 12'6" that have return panels on the same side as the shared worksurface, use at least a 30"W return panel that matches the height of the spine wall. For spine walls that exceed 66"H, a 30"W rear facing return panel is required. The monitor mount is not to exceed 66"H.
Tip: Monitor not included with media:scape assembly.



For runs up to 12'6" that have return panels on the opposite side as the shared worksurface, use at least a 24"W return panel. The monitor mount is not to exceed 66"H.
Tip: Monitor not included with media:scape assembly.

Understanding Wiring and Cabling

All Answer electrical components are listed by Underwriters Laboratory (UL) and certified by the Canadian Standards Association (CSA).

Statement of Line 168

Product Details

Wiring Schematics 171

How to Calculate Power Needs 172

Cable Capacities 174

Interface Products

- Ceiling-Access Lay-In Utility Package 176
- Floor-Access Lay-In Utility Package 178
- Utility Pole—Thin Trim 180
- Junction with Utility Pole 182
- Base Power Infeed 184
- Special Requirements for New York City 185
- Consolidation Point 186

Distribution Products

- Powerkits 188
- Pass-Through Powerkits 188
- Cable Trays 188
- Modular Harness 190
- Multipurpose Power Infeed 191
- Special Requirements for Hardwired Solution 192

Access Products

- Duplex Receptacles 193
- USB Receptacles 193
- Faceplate 193

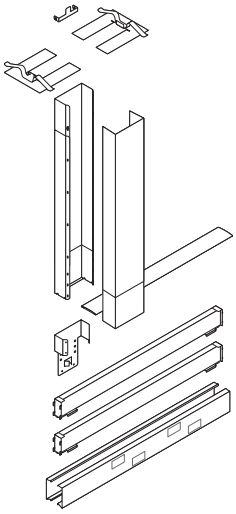
Accessories

- Junction Tall Sleeve 195
- Lay-In Junction Cable Sleeve 195
- Feed-Through Horizontal Cable Sleeve 195
- Grommet for Horizontal Bar and Junction 196
- Grommet for Junction 196
- Duplex Cable Grommet 196

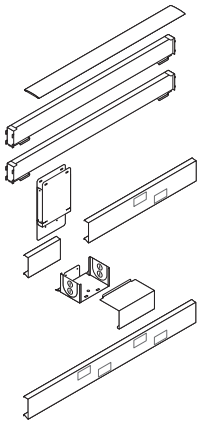
Statement of Line

Interface Products

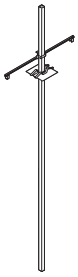
The interface is the point at which the utilities within a panel connect to a building's power and communication network. All power components are field installed.



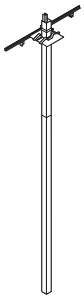
Ceiling-Access Lay-In Utility Package
Understanding
▶ Page 176
Specifying
▶ Pages 378 and 448



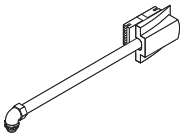
Floor-Access Lay-In Utility Package
Understanding
▶ Page 178
Specifying
▶ Pages 379 and 450



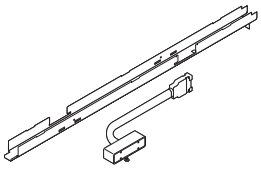
Utility Pole—Thin Trim
Understanding
▶ Page 180
Specifying
▶ Page 377



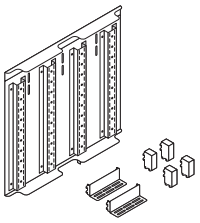
Junction with Utility Pole
Understanding
▶ Page 182
Specifying
▶ Page 446



Base Power Infeed
Understanding
▶ Page 184
Specifying
▶ Page 529



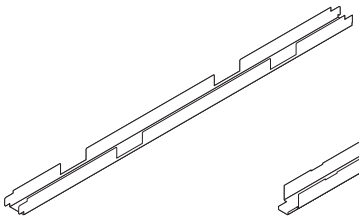
Base Power Infeed for Use in New York City
Understanding
▶ Page 185
Specifying
▶ Page 530



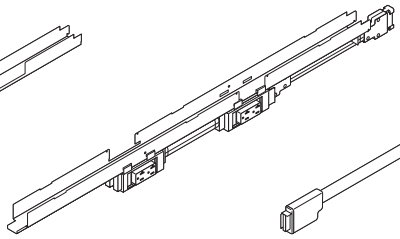
Consolidation Point Kit
Understanding
▶ Page 186
Specifying
▶ Page 535

Distribution Products

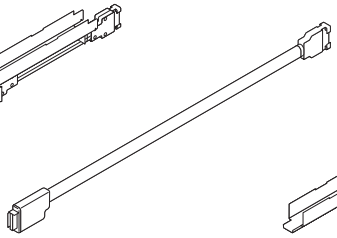
Distribution refers to the way that power and communication networks are routed through a panel.



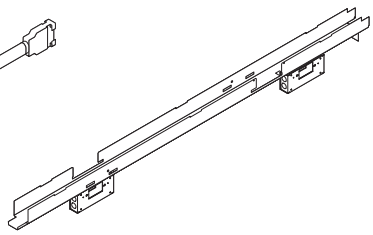
Cable Tray
Understanding
▶Page 188
Specifying
▶Page 520



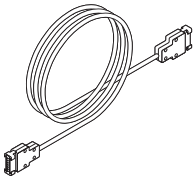
Powerkit
Understanding
▶Page 188
Specifying
▶Page 521



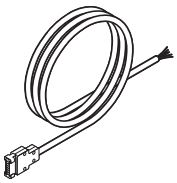
Pass-Through Powerkit
Understanding
▶Page 188
Specifying
▶Page 522



Hardwire Solution for Chicago and Other Areas
Understanding
▶Page 192
Specifying
▶Page 531



Modular Harness
Understanding
▶Page 190
Specifying
▶Page 533



Multipurpose Power Infeed
Understanding
▶Page 190
Specifying
▶Page 532

Access Products

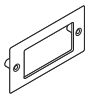
Access to power and communication networks is accommodated by power receptacles and communication outlets installed in a panel.



Duplex Receptacles
Understanding
▶Page 193
Specifying
▶Page 523



USB Receptacles
Understanding
▶Page 193
Specifying
▶Page 524



Faceplate
Understanding
▶Page 193
Specifying
▶Page 526



Receptacle Trim Ring
Understanding
▶Page 194
Specifying
▶Page 527



Receptacle Filler
Understanding
▶Page 194
Specifying
▶Page 527

Statement of Line, continued

Access Products, continued

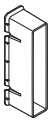
Access to power and communication networks is accommodated by power receptacles and communication outlets installed in a panel.



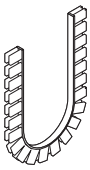
Data Filler
Understanding
▶ Page 194
Specifying
▶ Page 527

Accessories

Accessories are used to help customize your wiring and cabling needs.



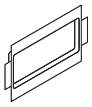
Junction Tall Sleeve
Understanding
▶ Page 195
Specifying
▶ Page 534



Lay-In Junction Cable Sleeve
Understanding
▶ Page 195
Specifying
▶ Page 534



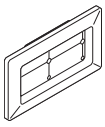
Feed-Through Horizontal Cable Sleeve
Understanding
▶ Page 195
Specifying
▶ Page 534



Grommet for Horizontal Bar and Junction
Understanding
▶ Page 196
Specifying
▶ Page 535



Grommet for Junction
Understanding
▶ Page 196
Specifying
▶ Page 535



Duplex Cable Grommet
Understanding
▶ Page 196
Specifying
▶ Page 536

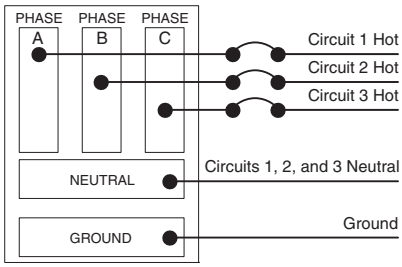
Wiring Schematics

Details for the Electrician

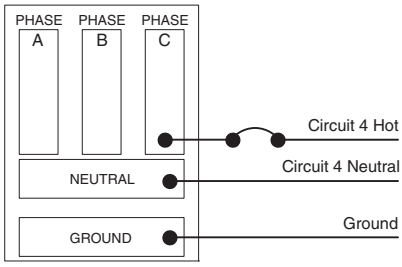
Answer offers three different wiring schematics to allow you to match your specific wiring strategy to any typical building wiring plan.
Tip: All the components in an electrical system must use the same wiring schematic. The components are keyed and color coded to make it impossible to connect mismatched parts.
Black = Four-circuit, 3+1
Brown = Four-circuit, 2+2
Rust = Three-circuit, separate neutrals (3SN)
Shared neutrals = 10 gauge
Non-shared neutrals = 12 gauge
Hot wires = 12 gauge

Four-Circuit, 3+1

Circuit Panel 1

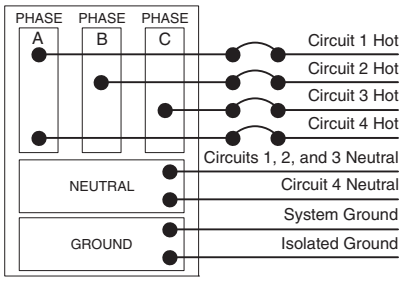


Circuit Panel 2



In the four-circuit 3+1 schematic, circuits 1, 2, and 3 are distributed from the first circuit panel and are supported with one shared neutral and one shared ground. Circuit 4 is distributed from a second circuit panel and is supported with a separate neutral and ground.

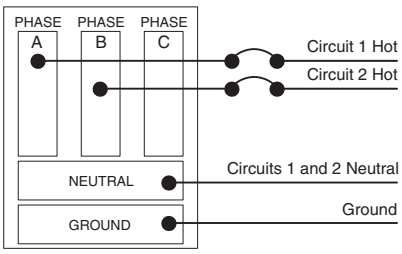
Single 3-Phase
Circuit Panel



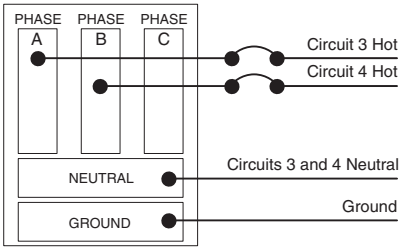
On a single 3-phase circuit panel, all four circuits are distributed as shown.

Four-Circuit, 2+2

Circuit Panel 1

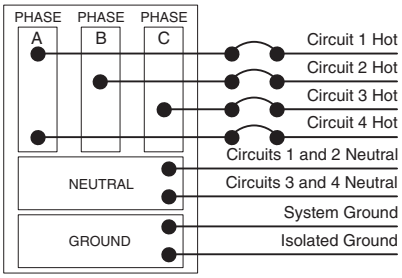


Circuit Panel 2



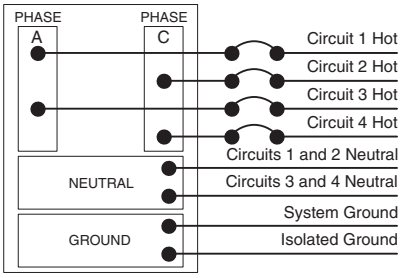
In the four-circuit 2+2 schematic, circuits 1 and 2 are distributed from two different phases from the first circuit panel and are supported with one shared neutral and one shared ground. Circuits 3 and 4 are distributed from a second circuit panel and supported by their own shared neutral and ground.

Single 3-Phase
Circuit Panel



On a single 3-phase circuit panel, all four circuits are distributed as shown.

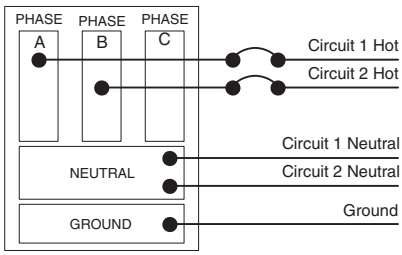
Split-Phase
Circuit Panel



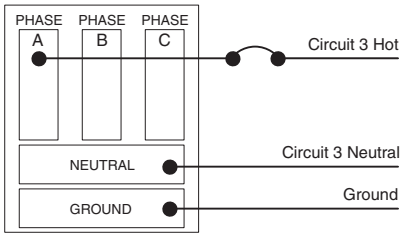
On a split-phase circuit panel, all four circuits are distributed as shown.

Three-Circuit, Separate Neutrals

Circuit Panel 1

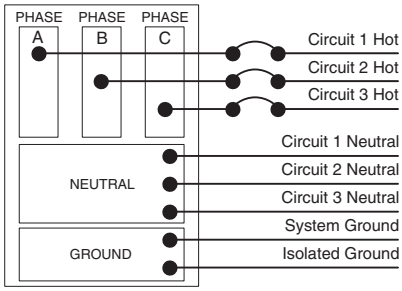


Circuit Panel 2



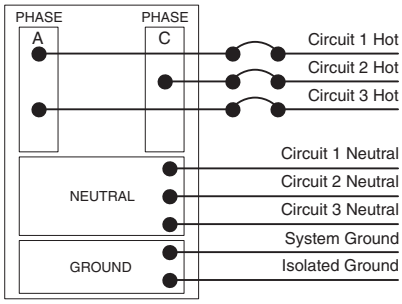
In the three-circuit, separate neutral schematic, circuits 1 and 2 are distributed from two different phases from the first circuit panel. Each circuit is supported with its own neutral and a common ground. Circuit 3 is distributed from the second circuit panel and is supported by its own neutral and ground.

Single 3-Phase
Circuit Panel



On a single 3-phase circuit panel, three circuits are distributed as shown.

Split-Phase
Circuit Panel



On a split-phase circuit panel, three circuits are distributed as shown.

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 and 40 receptacles for each 4-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) or 80 amps (20 amps times 4 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.

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 tabled are based on actual cable studies performed by an independent contractor following EIA/TIA codes and practices and can be taken as an accurate assessment of maximum practical capacity. Actual cable capacities may vary slightly depending on which manufacturer produced the cable and the specific field conditions.

Cable capacities are based on Category 6 and Category 6a cables at 55% fill capacity for cable study performed on junctions manufacturered on or after October 10, 2011.
Note: Tests were performed on junctions with tall sleeves installed.

Cables Tested

A CommScope Systimax Gigaspeed 1071E Series Category 6 Cable
OD=0.23"

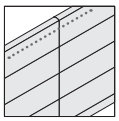
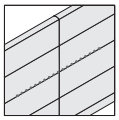
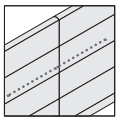
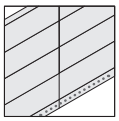
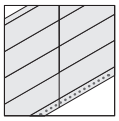
B CommScope Systimax X10D 1091B Series Category 6A Cable
OD=0.285"

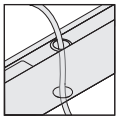
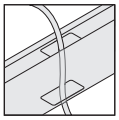
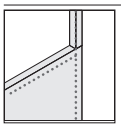
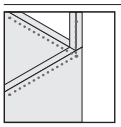
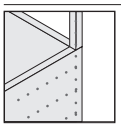
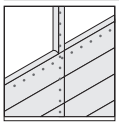
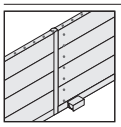
Power harnesses reduce cable capacity. An average of 10-15 cables will be reduced per harness used. However, this number varies according to installation practices and the type of cables used.

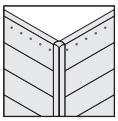
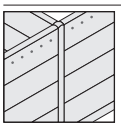
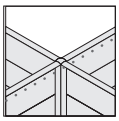
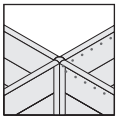
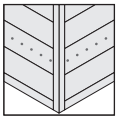
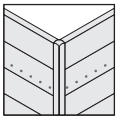
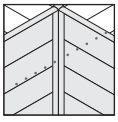
If glass window is used at the top of a panel, top cap lay-in cable capacity is 20 for category 6 cables.

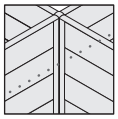
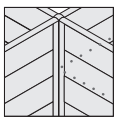
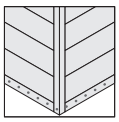
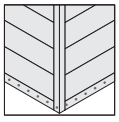
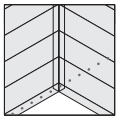
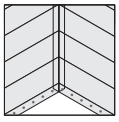
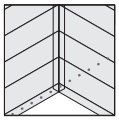
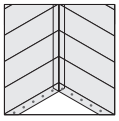
When laying cables vertically behind skins, capacity is dependent on skin width.

When using stacking junctions, the fork connector does not reduce cable capacity.

Straight Horizontal Routing	A	B
 Lay-in cable routing at top of panel (in-line junction)	40	30
 Horizontal pass-through (straight) at cable routing opening (available every 12" inside frame)	12	7
 Horizontal pass-through (straight) at rectangular opening for modular power harness (available every 12" inside frame)	72	47
 Lay-in cable routing at base of panel **with** power	36	22
 Lay-in cable routing at base of panel **without** power or with power harness routed above ▶Page 90	48	30

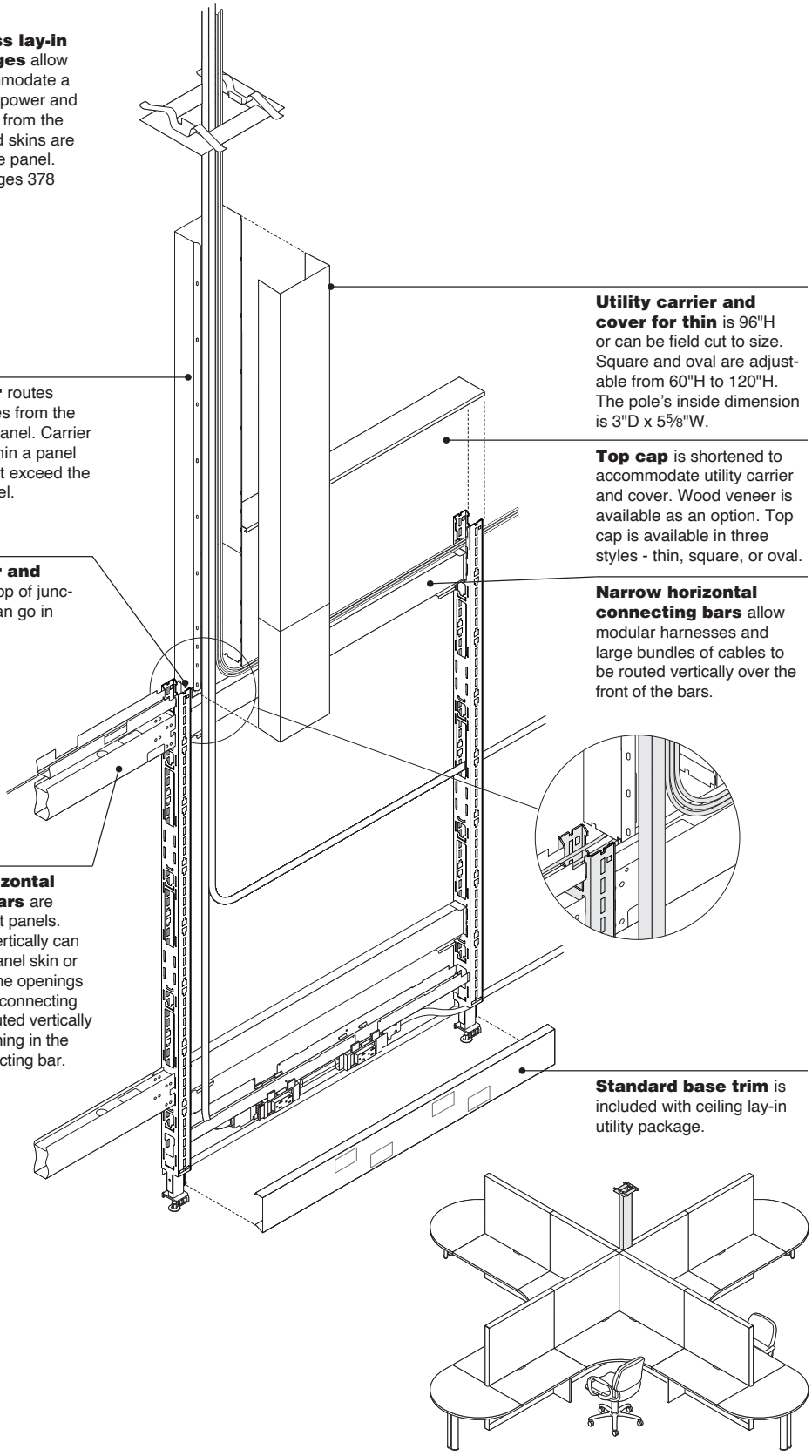
Straight Vertical Routing	A	B
 Vertical cable routing through round openings of horizontal connecting bar; two locations per bar	11	7
 Vertical cable routing through rectangular openings of horizontal connecting bars; two locations per bar	24	16
 Vertical cable routing inside junction utility pole (used on square and oval in an end, L or T configuration or on thin in an end)	48	39
 Vertical cable routing inside thin trim utility pole and exiting via top cable lay-in area	42	34
 Vertical cable routing inside thin trim utility pole and exiting into the panel in openings below the top lay-in area	50	40
 Vertical cable lay-in in a ceiling-access lay-in utility package	100	98
 Vertical cable lay-in in a floor-access lay-in utility package	80	54

L, T, X, V, and Y Horizontal Routing	A	B
 Lay-in cable routing at top of panels in L or V configuration	16	11
 Lay-in cable routing at top of panels in T configuration	30	20
 Lay-in cable routing in top of panels in X or Y configuration	30	20
 Lay-in cable routing (around the corner) at the top of a panel in T or X configuration	16	11
 Horizontal pass-through at cable routing opening (available every 12" inside frames in L or V configuration)	8	5
 Horizontal pass-through (corner) at rectangular opening for modular power harness	48	26
 Horizontal pass-through (straight) at cable routing opening (available every 12" inside frames in T configuration)	12	7
 Horizontal pass-through (straight) at cable routing opening (available every 12" inside frames in X or Y configuration)	12	7

L, T, X, V, and Y Horizontal Routing	A	B
 Horizontal pass-through (straight) at rectangular opening for modular power harness (available every 12" inside frame)	72	47
 Horizontal pass-through (corner) at cable routing opening (available every 12" inside frames in T or X configuration)	8	5
 Lay-in cable routing (corner) at base of panel **with** power in L, T, or V configuration	14	9
 Lay-in cable routing (corner) at base of panel **without** power in L, T, or V configuration	14	9
 Lay-in cable routing (straight) at base of panel **with** power in X or Y configuration	36	22
 Lay-in cable routing (corner) at base of panel **with** power in X or Y configuration	11	6
 Lay-in cable routing (straight) at base of panel **without** power, or with power harness routed above in X or Y configuration ▶Page 93	48	30
 Lay-in cable routing (corner) at base of panel **without** power, or with power harness routed above in X or Y configuration ▶Page 93	14	9

Ceiling-Access Lay-In Utility Package

Ceiling-access lay-in utility packages allow panels to accommodate a large amount of power and cable brought in from the ceiling. Standard skins are used to finish the panel.
▶ Specifying, pages 378 and 449



Utility carrier and cover for thin is 96"H or can be field cut to size. Square and oval are adjustable from 60"H to 120"H. The pole's inside dimension is 3"D x 5⅝"W.

Utility carrier routes power and cables from the ceiling into the panel. Carrier is integrated within a panel run and does not exceed the width of the panel.

Top cap is shortened to accommodate utility carrier and cover. Wood veneer is available as an option. Top cap is available in three styles - thin, square, or oval.

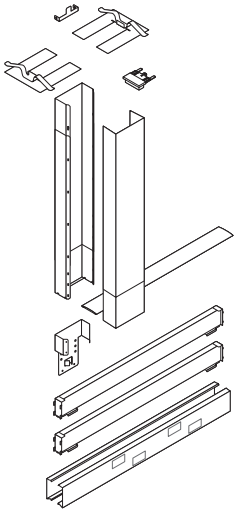
Utility carrier and cover stop at top of junction so cables can go in either direction.

Narrow horizontal connecting bars allow modular harnesses and large bundles of cables to be routed vertically over the front of the bars.

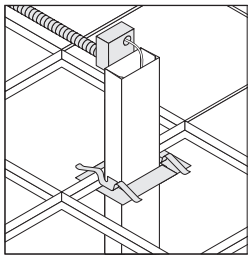
Standard horizontal connecting bars are used on adjacent panels. Cables routed vertically can be laid behind panel skin or routed through the openings in the horizontal connecting bar. Power is routed vertically through the opening in the horizontal connecting bar.

Standard base trim is included with ceiling lay-in utility package.

Product Details



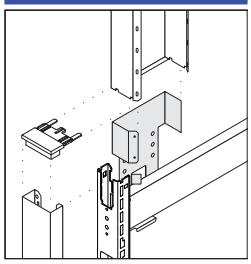
Ceiling-access lay-in utility package includes: utility carrier and cover with hardware, top cap, two lay-in horizontal connecting bars, and two base trims. Package is available in 30", 36", 42", and 48" widths to match standard panel widths. Package can be specified with thin, square, or oval top trim. Base cable trays are optional.



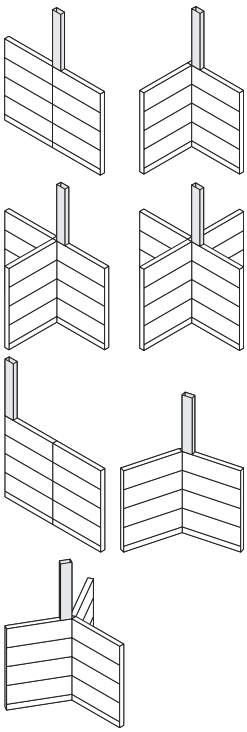
Ceiling attachment carrier and kit secures the top of the utility carrier and cover to the suspended ceiling grid. Hardwired connection to the building's power can be made in the junction box.

Ceiling-access lay-in utility package takes the place of a standard horizontal frame package. Don't double order.

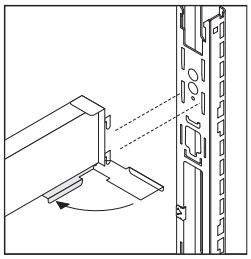
Connections



Bracket attaches the utility carrier to the lay-in horizontal connecting bar.



Ceiling-access lay-in utility package can be installed in in-line, L, T, X, V, Y, and end-of-run panel configurations. End-of-run condition reduces cable capacity.

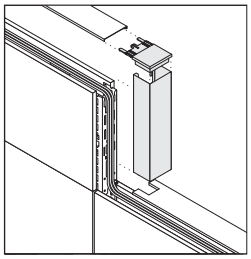


Quick-lock mechanism on the lay-in horizontal connecting bar engages the junction in a tight structural connection. Quick-lock mechanism is the same as on the standard horizontal connecting bars.

Wiring & Cabling

Local electrical codes vary. Consult a qualified electrical contractor or engineer for the proper installation of all electrical components.

Ceiling-access lay-in utility package was designed to be used with Answer power harnesses. If using any other type of conduit, the diameter of the conduit cannot be greater than ½". Skins will not install properly if conduit exceeds ½".



Square and oval change-of-height cable routing trim allows lay-in cable routing in change-of-height applications. Specify change-of-height top cap for the lower panel to allow clearance.

Power harness, ordered separately, acts as a shield to permit the ceiling-access lay-in utility package to accommodate power and communication cable routing at the same time.

Surface Materials

Utility carrier and cover, base trim, and top cap
- Paint
- Wood veneer (option on top cap only)

Lay-in horizontal connecting bars
- Black paint

Tip: Components are hidden when panel is properly installed.

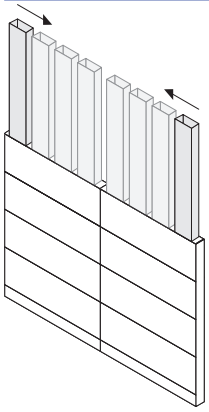
Oval junction cap
- Plastic
- Wood veneer (included with wood top cap option)

Tip: Junction cap is included for end-of-run configurations.

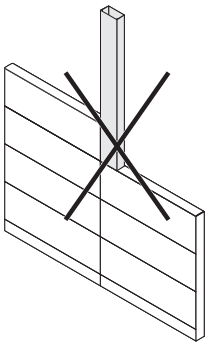
Square junction cap
- Paint
- Wood veneer (included with wood top cap option)

Tip: Junction cap is included for end-of-run configurations.

Application Topics



Utility carrier and cover are designed to be located at either end of the panel. However, they can be installed in any location, but field cutting of the top cap will be required.



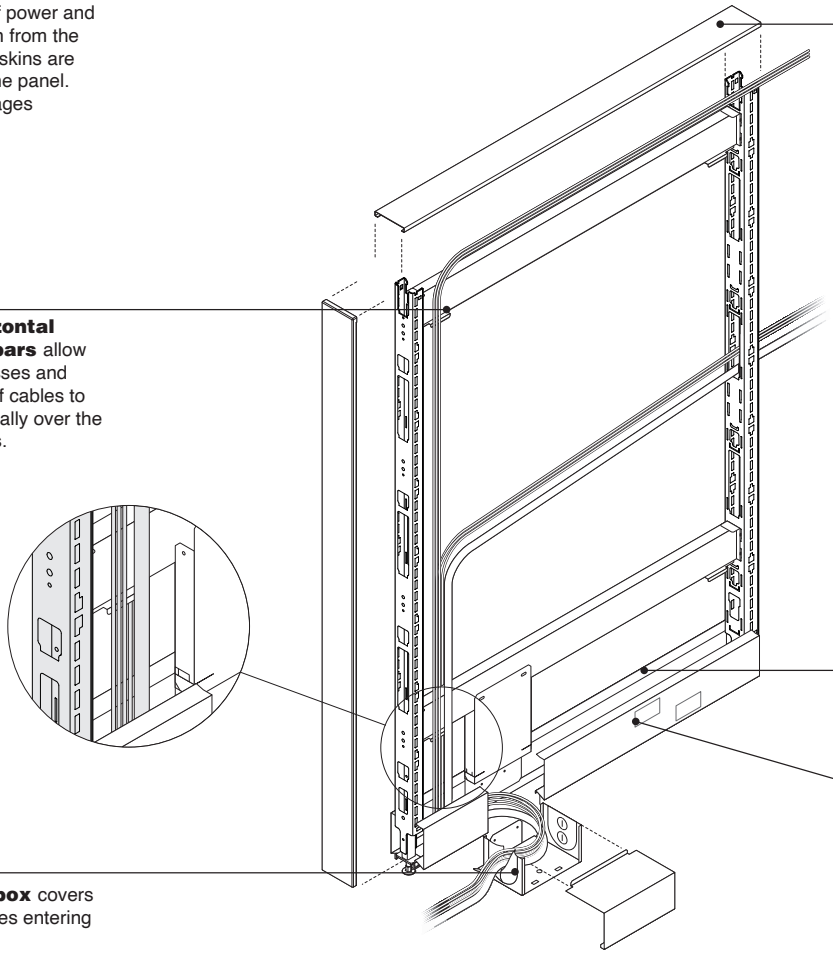
Utility carrier and cover cannot be located next to a taller panel.

Back-to-back slatwall skins cannot be installed at the top of a panel when using a ceiling access lay-in utility package. Slatwall can be used on one side only.

Windows cannot be installed in the top position of a lay-in frame.

Floor-Access Lay-In Utility Package

Floor-access lay-in utility packages allow panels to accommodate a large amount of power and cable brought in from the floor. Standard skins are used to finish the panel.
▶ Specifying, pages 379 and 450



Standard top cap is included with floor-access lay-in utility package. Top cap is available in three styles - thin, square, or oval. Wood veneer is available as an option.

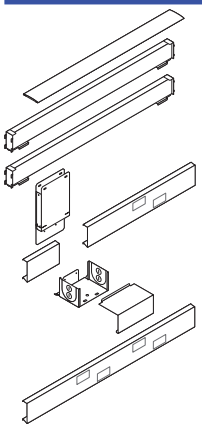
Narrow horizontal connecting bars allow modular harnesses and large bundles of cables to be routed vertically over the front of the bars.

Standard base trim is included and used on the side of the panel opposite from the base utility box.

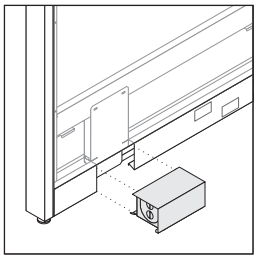
Modified base trim is included and consists of two pieces to allow attachment of base utility box.

Base utility box covers power and cables entering from the floor.

Product Details



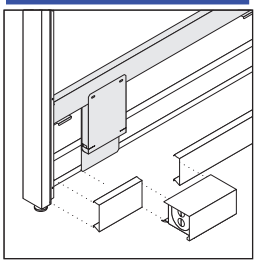
Floor-access lay-in utility package includes: top cap, two lay-in horizontal connecting bars, base utility box with hardware, one standard base trim, and one modified base trim. Package can be specified with thin, square, or oval top trim. It is available in 30", 36", 42", and 48" widths to match standard panel widths.



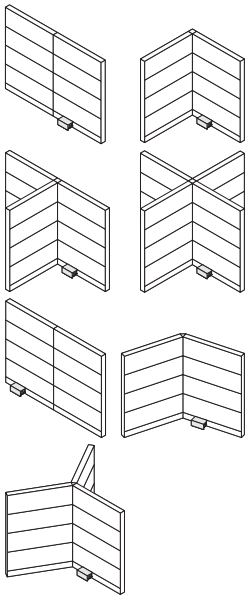
Base utility box is positioned at the left-hand side of the modified base trim. Entry on the other end would be accomplished from the other side of the panel.

Floor-access lay-in utility package takes the place of a standard horizontal frame package. Don't double order.

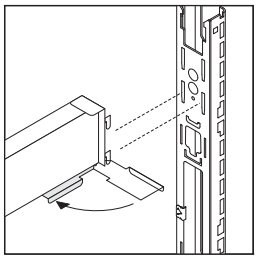
Connections



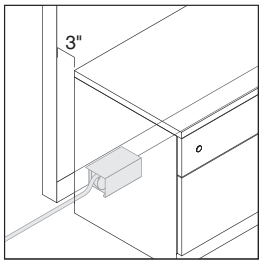
Bracket attaches the base utility box to the lower lay-in horizontal connecting bar.



Floor-access lay-in utility package can be installed in in-line, L, T, X, V, Y, and end-of-run panel configurations. End-of-run condition reduces cable capacity.



Quick-lock mechanism on the lay-in horizontal connecting bar engages the junction in a tight structural connection. Quick-lock mechanism is the same as on the standard horizontal connecting bars.

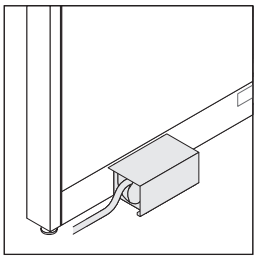


Power infeed sits proud of the panel approximately 3" and will interfere with Universal storage with the Universal 3" base, FrameOne foot base, or c:scape glide.

Wiring & Cabling

24"W powerkit, ordered separately, can be used in the base of 36"W, 42"W, and 48"W floor-access lay-in utility packages. Power kit must be located to the right of the base utility box. No powerkit can be used in 30"W floor-access lay-in utility packages.

Power harness, ordered separately, is shielded to permit the floor-access lay-in utility package to accommodate power and communication cable routing at the same time.



Base utility box routes cables and/or Answer harnesses into the panel from the floor. Base power infeeds are not intended for use with the floor-access lay-in utility package.

Floor-access lay-in utility package can accommodate up to 80 cat 6 cables. Deduct 10-15 cables for each power harness or modular connector routed through the base utility box.

Surface Materials

Base utility box, base trim, and top cap

- Paint
- Wood veneer (option on top cap only)

Lay-in horizontal connecting bars

- Black paint

Tip: Bars are hidden when panel is properly installed.

Application Topics

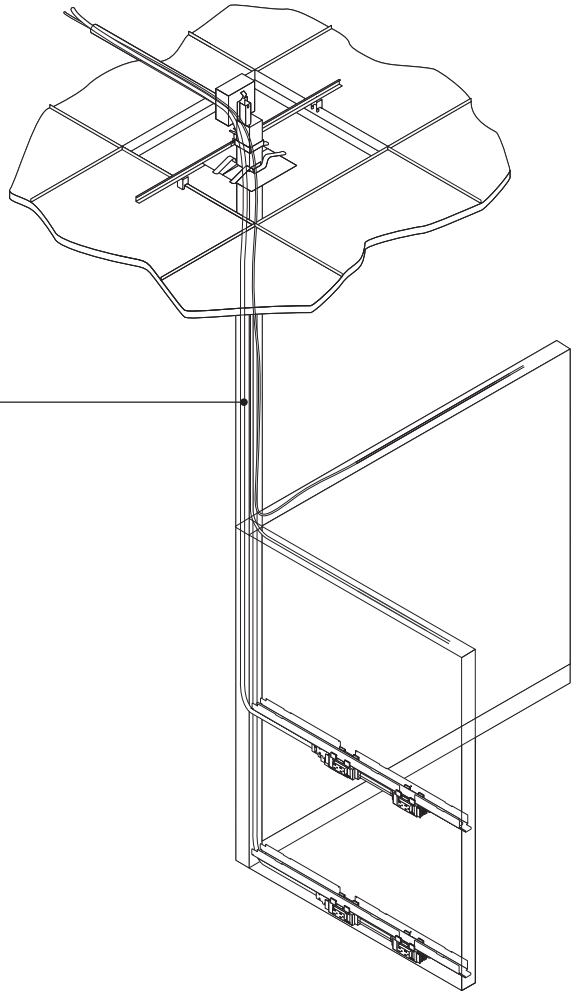
Base utility box protrudes 4" from the base trim on one side of the panel. When planning, locate the base utility box underneath a workstation instead of a hallway.

Specify change-of-height top cap on your lay-in utility package if it is the lower panel in a change-of-height configuration.

Base utility box is for routing of cable and power only. Not to be used as a termination point or for the routing of power cords.

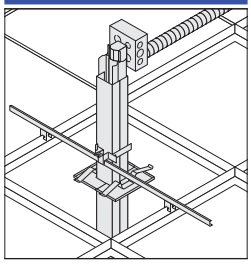
Utility Pole—Thin Trim

Utility pole—thin trim brings power and cabling from the ceiling and introduces it into a panel with thin trim only through openings positioned vertically every 12". Junction is not included as utility pole connects into the existing panel junction (used with junctions manufactured on or after October 10, 2011).
▶ Specifying, page 377

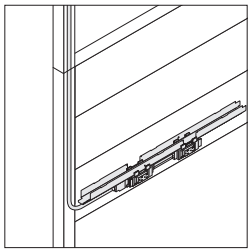


Utility pole is flush with the footprint of the panel.

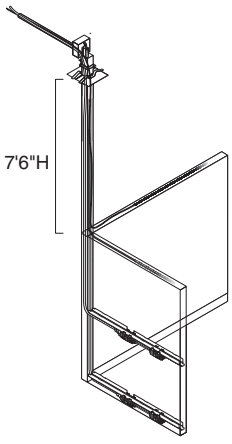
Product Details



Ceiling attachment kit secures the top of the utility pole to the suspended ceiling grid. Hardwired connection to the building's power can be made in the junction box.



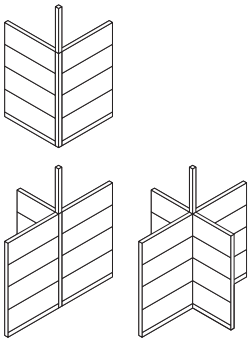
Power harness for use with utility pole is available to bring power down from the ceiling and into the panel to make a modular connection to a power kit.
Tip: Power harnesses are ordered separately from the utility pole.



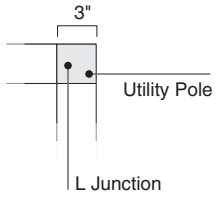
Utility pole can reach ceilings 7'6" higher than connection point (two panels at the highest height) of the panels.

Shield on power harness permits a utility pole to accommodate power and communication cable routing at the same time. For applications where more cable routing is needed, you can use the utility pole without a power harness or use a lay-in utility package.

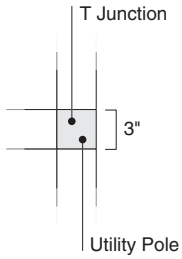
Connections



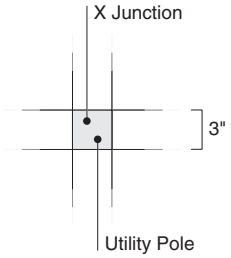
Utility pole—thin trim works with base and stacking junctions. It can be used at an L, T, or X configuration. It cannot be used in an end-of-run, V, Y, or in-line configuration. Utility pole is not shipped with a junction.



"L" application requires two panels at the same height. Utility pole is flush with the panel run.



"T" application requires at least two panels at the highest height. Utility pole is flush with the panel run.



"X" application requires two panels at the same height.

Wiring & Cabling

Three wiring schematics are available–3+1, 2+2, and three circuits with separate neutrals (3SN). All the components in an electrical distribution system must use the same wiring schematic. For safety the components are keyed, labeled, and color-coded to make it impossible to connect mismatched parts.

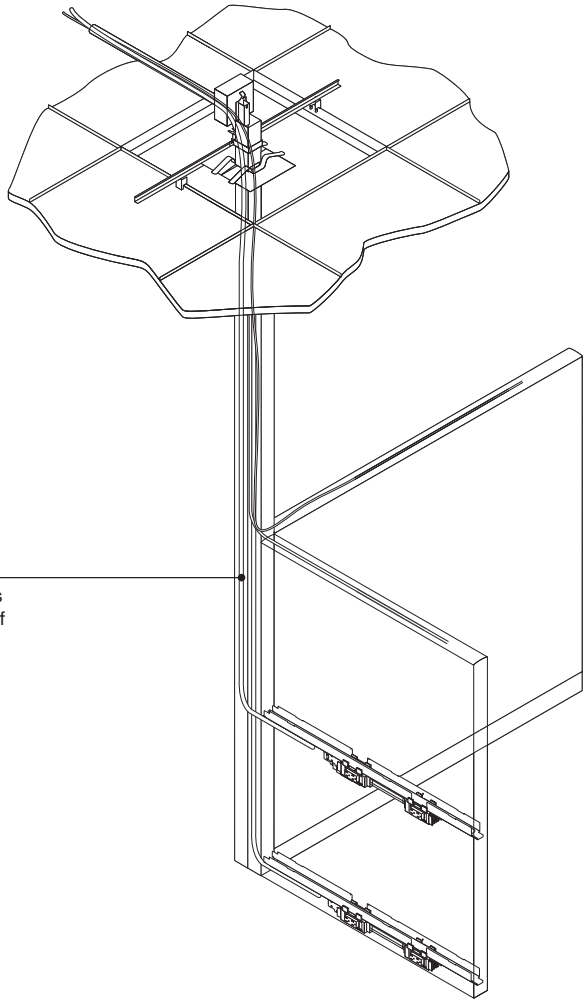
All Answer electrical components are listed by Underwriters Laboratory (UL) and certified by the Canadian Standards Association (CSA).

Local electrical codes vary. Consult a qualified electrical contractor or engineer for the proper installation of all electrical components.

Chicago and New York have special requirements.

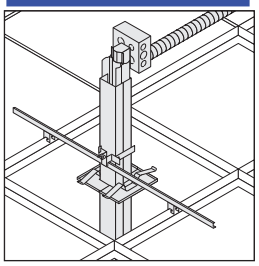
Junction with Utility Pole

Utility pole brings power and cabling from the ceiling and introduces it into the panel through openings positioned vertically every 12 inches. Includes a junction and replaces the need to order one separately.
▶Specifying, page 446

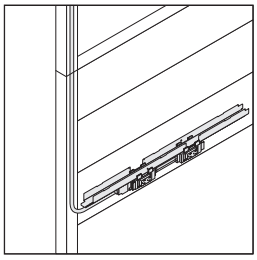


Utility pole extends beyond the footprint of the panel.

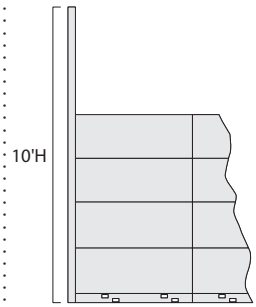
Product Details



Ceiling attachment kit secures the top of the utility pole to the suspended ceiling grid. Hardwired connection to the building's power can be made in the junction box.



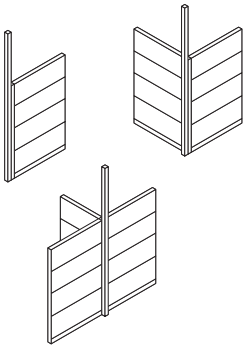
Power harness for use with utility pole is available to bring power down from the ceiling and into the panel to make a modular connection to a powerkit.
Tip: Power harnesses are ordered separately from the utility pole.



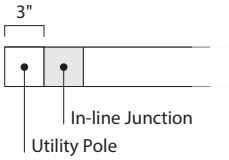
Ceiling heights up to 10' can be accommodated.

Shield on power harness permits a utility pole to accommodate power and communication cable routing at the same time. For applications where more cable routing is needed, you can use the utility pole without a power harness or use a lay-in utility package.
▶Pages 378 and 448 for lay-in utility package.

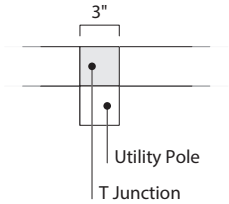
Connections



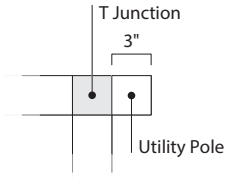
Utility pole works with base and stacking junctions. It can only be used at an end-of-run, in-line, L- or T-configuration. It cannot be used in an X, V, or Y-configuration. Utility pole is always shipped with a junction, so don't double order.



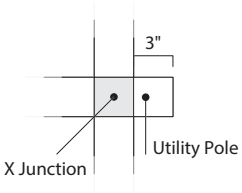
End-of-run application uses an in-line junction. Utility pole extends 3" beyond the footprint of the panels. This works with thin, square, or oval trim.



In-line application uses T junction and adds 3" to panel run. This works with square or oval trim only.



"L" application uses T junction. Utility pole extends 3" beyond the footprint of the panels. This works with square or oval trim only.



"T" application uses X junction. Utility pole extends 3" beyond the footprint of the panels. This works with square or oval trim only.

Wiring & Cabling

Three wiring schematics are available—3+1, 2+2, and three circuits with separate neutrals (3SN). All the components in an electrical distribution system must use the same wiring schematic. For safety the components are keyed, labeled, and color-coded to make it impossible to connect mismatched parts.
▶Page 171

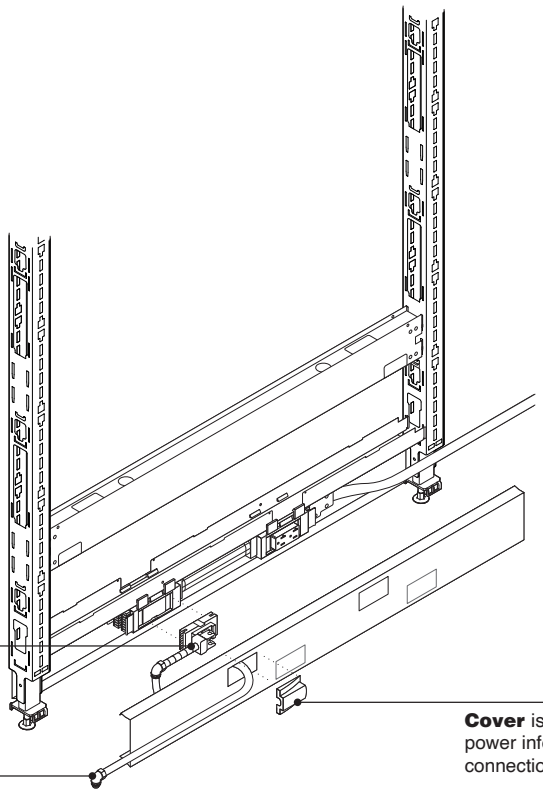
All Answer electrical components are listed by Underwriters Laboratory (UL) and certified by the Canadian Standards Association (CSA).

Local electrical codes vary. Consult a qualified electrical contractor or engineer for the proper installation of all electrical components.

Chicago and New York have special requirements.
▶Pages 185 and 192

Base Power Infeed

Base power infeed connects power in the building floor to a powerkit in the base of a panel. Infeed occupies one receptacle opening.
▶Specifying, page 529



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

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

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

Wiring & Cabling

Connector on base power infeed must be placed behind panel base trim and harness must be backfed through base trim opening prior to an electrician making the connection to power in the building floor.

Three wiring schematics are available—3+1, 2+2, and three circuits with separate neutrals (3SN). All the components in an electrical distribution system must use the same wiring schematic. For safety the components are keyed, labeled, and color-coded to make it impossible to connect mismatched parts.
▶Page 171

All Answer electrical components are listed by Underwriters Laboratory (UL) and certified by the Canadian Standards Association (CSA).

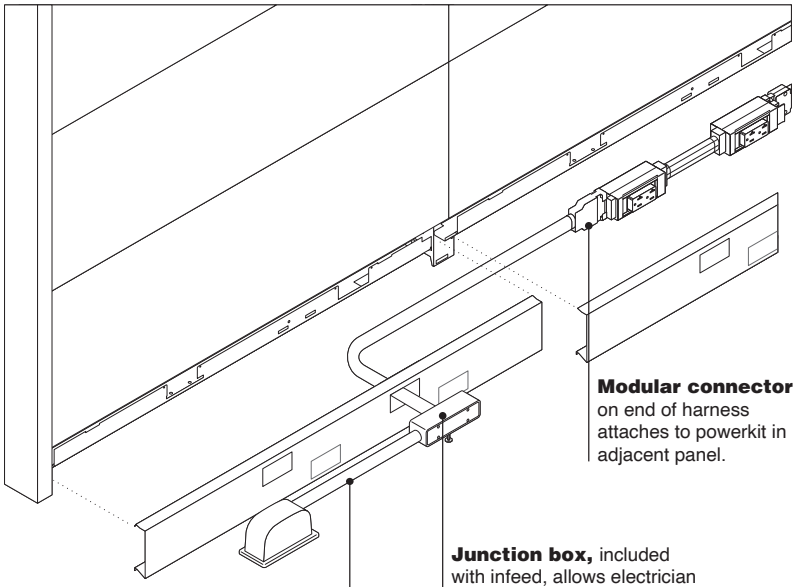
Local electrical codes vary. Consult a qualified electrical contractor or engineer for the proper installation of all electrical components.

Panel segments with big open base cannot use base power infeed. Bring power in using a multipurpose infeed.

Special requirements are needed for San Francisco.
▶See page 529 for specification.

Special Requirements for New York City

New York City electrical code requires modular power components to be field installed by the electrician. Because Answer power components are always field installed, they are okay for use in New York.



Modular connector on end of harness attaches to powerkit in adjacent panel.

Junction box, included with infeed, allows electrician to make a hardwire connection to the building power supply. Box covers opening in base cover.

Conduits supplied by electrician.

Order New York City power infeed of the width that corresponds to the width of the panel it will be installed in. *Tip: Remember that the panel with the New York City power infeed installed cannot accommodate any receptacles in the base because a powerkit cannot be installed. Install a powerkit higher in the panel to accommodate receptacles or use adjacent panels to install receptacles.*

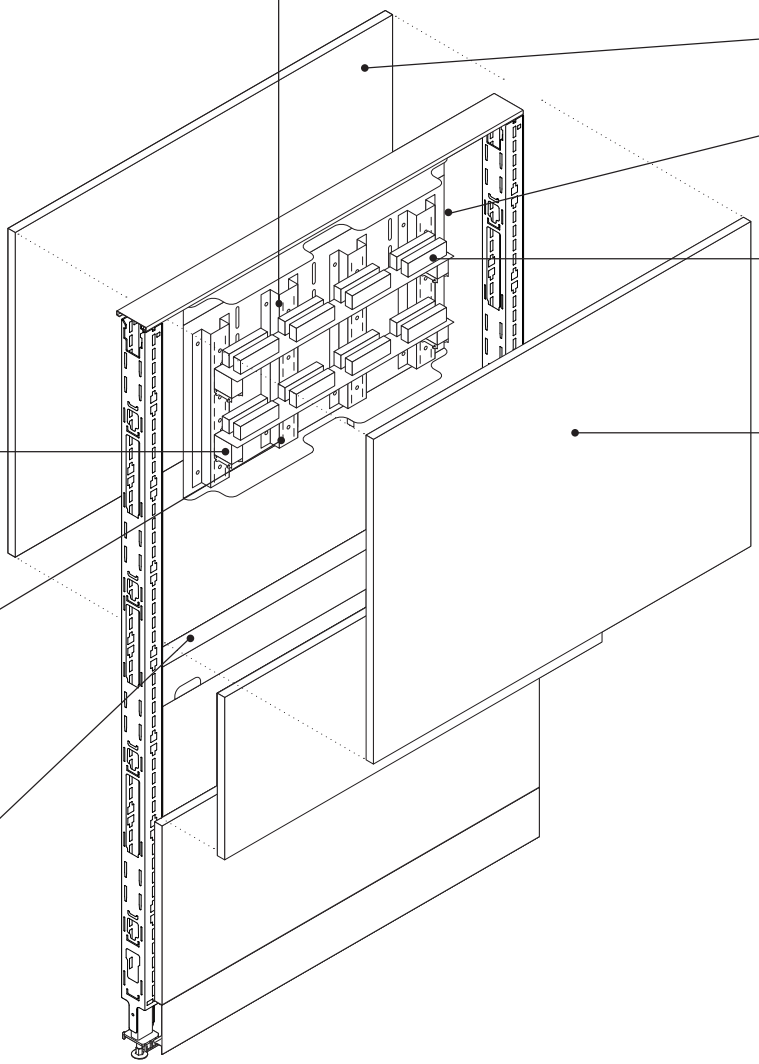
Consolidation Point

Consolidation point can be accommodated inside an Answer panel to provide easy-to-access connection points for data/voice networks. The power and communication capabilities of the panel are unimpaired. Consolidation point is designed to hold data/voice cabling and network hardware, such as punch-down blocks and 19" patch panels. Consolidation point attaches inside 54"H, 66"H, and 78"H panels. *Tip: For accessibility remember to plan the location of your consolidation point so that it is not blocked by other furniture.*

▶Specifying, page 535

Consolidation point kit fits in panels that are 30"W, 36"W, or 42"W. Steel skin should be used with consolidation point kit.

Consolidation point kit attaches inside Answer panel. Kit includes back panel, consolidation point mounting brackets, and cable managers.



Skins on opposite side of panel can be of any type.

Back panel supports punch-down blocks or 19" patch panels which are supplied by the data/voice installer.

Punch-down blocks or patch panels, supplied by cable contractor, accept dozens of contact points for phone, computer, or other data/voice cables.

A steel skin can be used to cover a consolidation point. A tackable acoustical skin cannot be used.

Mounting brackets can be positioned by the installer as needed to support connection points and provide adequate space for cable routing.

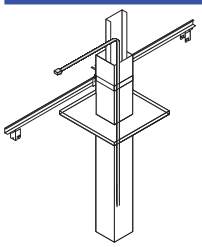
Slotted channels in back panel accommodate adjustable mounting brackets at any height and spacing that suits the installer.

Top horizontal connecting bar is lowered 24"H to accommodate consolidation points.

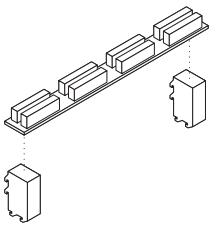
Actual Dimensions

Panel Depth	3"
Kit Width	28½" and 34½"
Kit Height	20 17/64"

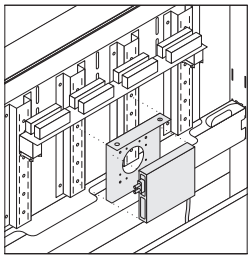
Product Details



Utility pole can route cables from the ceiling of the building to the consolidation point. Pole can also accommodate a power harness.

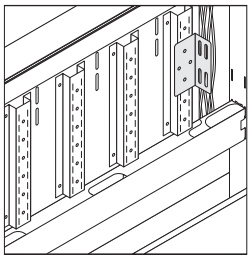


Mounting brackets accommodate standard-size, 19" patch panels or punch-down blocks which are supplied by the data/voice cabling installer.



Space inside panel is 3"D x 30"W or 36"W x 20"H.

Powerkits and cable trays cannot be used in the same location or height as a consolidation point kit.



Cable manager helps keep cables in order.

Connections

Hardware to attach consolidation point kit is included.

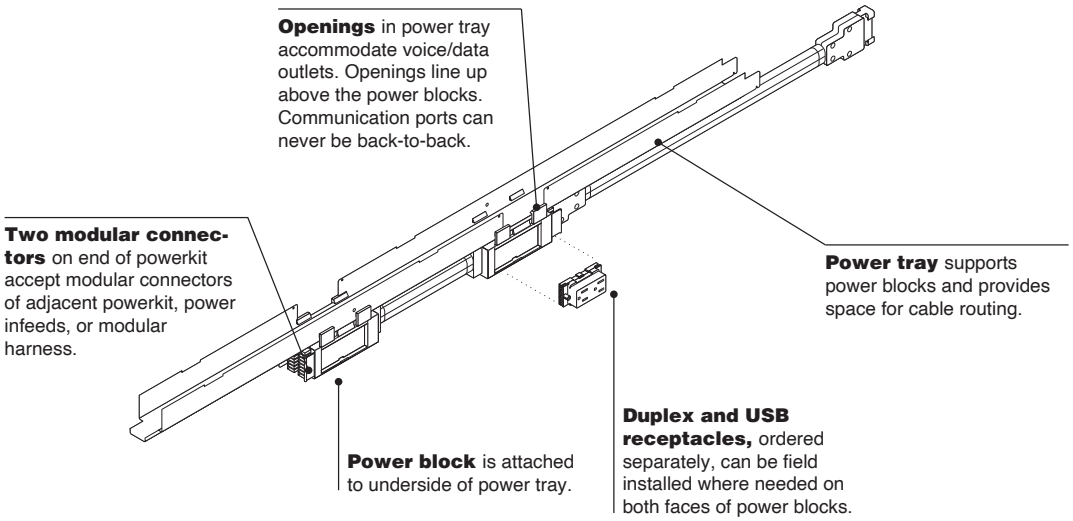
Wiring & Cabling

Consolidation point can typically accommodate up to 72 connections. Capacity depends on neatness of installation.

Distribution Products

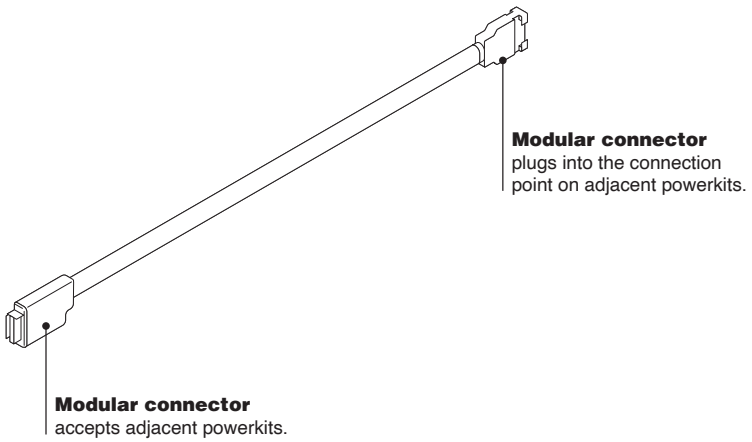
Powerkits are a combination of modular power blocks, harnesses, and connectors that attach to a power tray for installation inside an Answer panel. Powerkits are available in widths that correspond to panel widths.
▶ Specifying, page 521

Powerkits may be specified in a non-PVC version. For those trying to gain the LEED Innovation in Design credit, non-PVC should be selected.



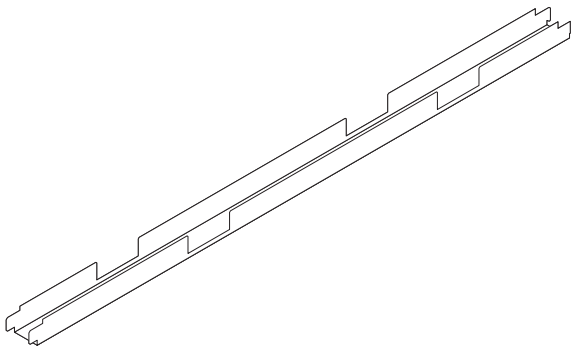
Pass-through powerkits are available for applications where you want to extend the power between panels but have no need for access in a specific panel.
▶ Specifying, page 522

Pass-through powerkits may be specified in a non-PVC version. For those trying to gain the LEED Innovation in Design credit, non-PVC should be selected.

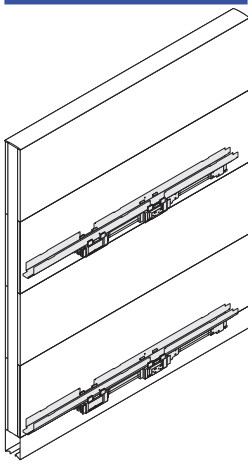


Cable trays can be installed every 6" vertically and rearranged at various heights within a panel for communications access and cable routing.
▶ Specifying, page 520
Exception: Cable tray cannot be used in the base of the panel.

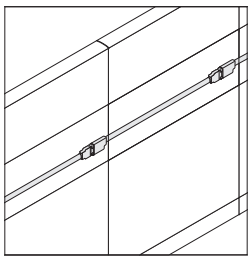
Cable tray can accept added cable carriers attached below tray to expand horizontal cable management options.
▶ See *Montage Specification Guide* for cable carrier (ZCC).



Product Details



Powerkits can be installed every 12" vertically. Typically they are positioned in the panel base, at worksurface height, or in both locations.



Pass-through powerkits extend power between panels.

Standard Base Trim

Width of panel application determines how many receptacle and communication locations are available.

12"

24"W with one power block. Communication opening is located below and to the right of the power block.

12"

30"W with two power blocks. Communication opening is located below and to the right of the right-hand power block.

12"

36"W to 48"W with two power blocks. Communication openings are located below and to the rightof each of the power blocks.

12"

60"W to 72"W with four power blocks. Communication openings are located below and to the right of each right-hand power block of each power block pair.

Tip: For non-base locations, same power block locations apply, but communication openings line up above the right-hand power block.

Hardwired Base Trim

Width of panel application determines how many receptacle and communication locations are available.

12"

24"W with one power block. Communication opening is located below and to the right of the power block.

10.3"

30"W with two power blocks. Communication opening is located below and to the right of the right-hand power block.

12"

36"W with two power blocks. Communication opening is located below and to the right of the right-hand power block.

12"

42"W to 48"W with two power blocks. Communication openings are located below and to the right of each of the power blocks.

12"

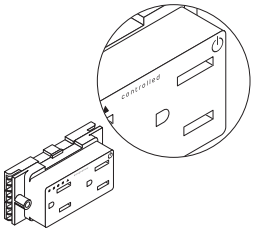
60"W to 72"W hardwire powerkit comes with two power blocks. The hardware base trim has two power knockout options on each end of the base trim. The power block can be installed at either knockout location. Communication openings are located below and to the right of each right-hand power block of each power block pair.

Tip: For non-base locations, same power block locations apply, but communication openings line up above the right-hand power block.

Tip: Communication openings are located 2½" further right than standard base trims to accommodate wider hardwired junction boxes.



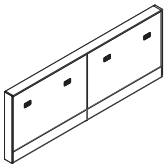
15-amp or 20-amp duplex receptacles snap into powerkits on one side or both sides of the panel.



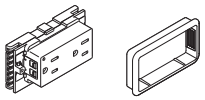
Controlled receptacle must be indicated when tying into the building management system. Duplex receptacles have an option for a factory permanent, pad stamp power icon symbol with the word controlled per compliance with the Energy Code.



USB receptacles available in three wiring schematics with multiple line options, snap into powerkits on one side or both sides of the panel. USB receptacles offer easy access to two charging ports. Each port provides 1 amperage of output. USB receptacles conveniently charge a wide range of electronic devices. Some devices may not be compatible.



Power and data can be accessed in 24"H standard base, 24"H to the floor, and big open base steel skins by specifying power and data cutouts.



For power access in steel skins, specify **TS7RC** receptacles and **TS7RCT** trim rings for each power cutout specified in steel skins.

For USB power access in steel skins, specify **TS7USB** receptacles and **TS7RCT** trim rings for each power cutout specified in steel skins.

Receptacle fillers are available to fill unused receptacle openings in steel skins. Use **TSBRF**.

Data fillers are available to fill unused furniture style data openings. Use **TS7DF**.

Install duplex or USB receptacles only where you want them. Add more receptacles in the future. *Exception: When using technology skins, receptacles are required in all power block locations. Tip: If receptacles are not specified for all power block locations, you must order filler through Service Parts (891500350MP, package of 20).*

Three wiring schematics are available—3+1, 2+2, and three circuits with separate neutrals (3SN). All the components in an electrical distribution system must use the same wiring schematic. For safety the components are keyed, labeled, and color-coded to make it impossible to connect mismatched parts.

▶Page 171