V.I.A.
Specification Guide

Availability

Electronic price list updated with release 204.A (U.S.) and 158.A (Canada), dated February 16, 2026.

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

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

Surface Materials

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

▶For a list of all trademarks, refer to the last page of this specification guide. © 2026 Steelcase Inc.

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.

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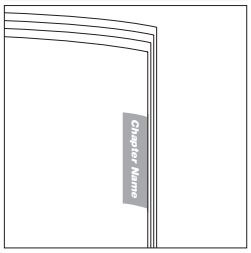
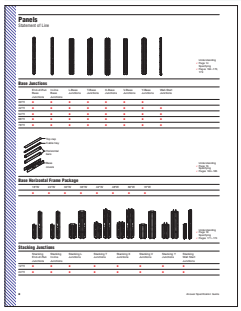
Ten Tips:
How to Get the Most Out of This Book

Tip 1



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

Tip 2



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

Tip 3

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

Tip 4

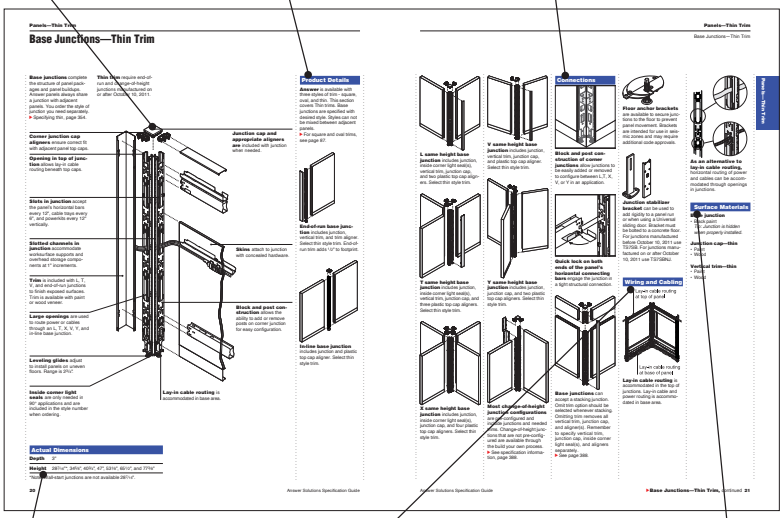
Study the product detail pages in the *Understanding* section to learn everything an expert knows about specific products. Each product detail page in this section contains the following features, where applicable:

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

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

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

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



Actual Dimensions table lists the dimensions of the product.

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

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

Steelcase
February 2026

Tip 5

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

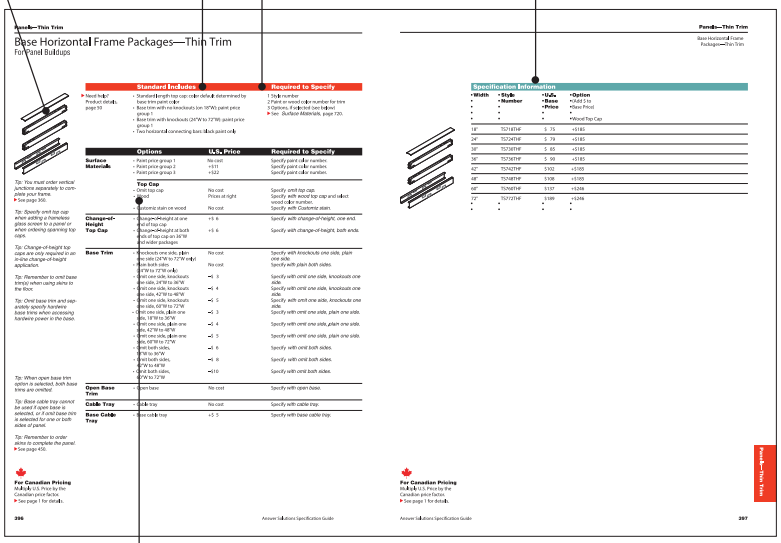
- Product Drawing
- Standard Includes
- Required to Specify
- Options
- Related Products
- Specification Information
  - Dimensions
  - Style Number
  - Price

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

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

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

Product Drawing
shows you what the product looks like.



Panels—Thin Trim

Base Horizontal Frame Packages—Thin Trim
For Panel Buildups

Standard Includes | Required to Specify

Options | U.S. Price | Required to Specify

Specification Information

For Canadian Pricing

396 Answer Solutions Specification Guide

Panels—Thin Trim

Base Horizontal Frame Packages—Thin Trim

For Canadian Pricing

Answer Solutions Specification Guide 397

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*

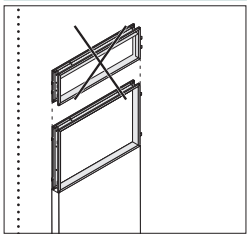
Italic typeface on specifying pages usually identifies wording that you should use in your order.

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

V.I.A. is supported with informational materials, tools, and software to help you plan, specify, and order an installation efficiently.

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

Printed Materials

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

Computer Tools

SmartTools
V.I.A. is designed and structured to offer the designer a broad range of dimensional and planning choices. By leveraging the parametric and functional options to best suit a given solution, a V.I.A. application can be as simple or intricate as the design criteria demands.

To help speed the product application process and ensure that product interfaces have been properly planned, all V.I.A. projects will be drawn using SmartTools in order to create a bill of material and then link to Hedberg.

All of the product logic and parametric values that are contained within this specification guide have been incorporated into SmartTools planning logic. This content is important in understanding overall product capabilities and performance. However, a full understanding is not required for planning with V.I.A., as SmartTools will assist by offering the appropriate feedback and preventing any applications that don't comply with product logic.

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

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

V.I.A. Product Training
Basic training for the products included in the V.I.A. product portfolio is available on the Steelcase University website at village.steelcase.com.

Four modules are web-based, interactive courses filled with pictures, detailed positioning, statement of line, and feature benefit information, as well as practice exercises designed to build knowledge of the products. The online courses also provide printable job aids of all content covered in the courses to serve as on going performance support. The available courses are:
- What is V.I.A.—SAL461
- Selling V.I.A.—SAL462
- Managing V.I.A. Installation—SAL466
- V.I.A. Order Fulfillment—SAL467 (Winter 2014)

SAL461 and SAL462 provide the foundation of knowledge for working with V.I.A. and are pre-requisites for taking any of the other V.I.A. courses.

Instructor led courses for V.I.A. are:
- V.I.A. Sales Simulation Workshop—SAL463
- Installing V.I.A.—SAL464
- V.I.A. Application and Specification Using Smart Tools—SAL465

Additionally, there are two courses available to address the positioning of Architectural Solutions in general:
- Architectural Solutions—SAL242
- The AS Value Proposition—SAL258

Support

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

For ordering or product assistance, please call line one at 1.888.STEELCASE (1.888.783.3522) or send an e-mail to lineone@steelcase.com for product application and specification assistance or contact your regional Architectural Dealer Sales Consultant.

Call the Steelcase Solutions Resource Team for assistance prior to placing an order or when working on a bid.

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

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

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

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

Sustainability

At Steelcase, we believe business can be a force for good. We create long-lasting products that are better for people and better for the planet. Our products and operations use life cycle thinking to meet our commitment to reducing climate change. This commitment is reinforced by practices such as designing to minimize global warming and other life cycle impacts, ensuring material health, and enabling end-of-use strategies.

To learn more at a corporate level, visit: https://www.steelcase.com/discover/steelcase/esg-overview/environmental/

Product Environmental Profiles, which provide key environmental attributes such as recycled content, embodied carbon and recyclability, as well as product certifications can be found by searching for Steelcase at Origin.build.

Statement of Line

Structural Frame Components

Understanding
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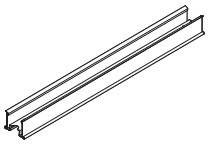
Post

15"–144"

●



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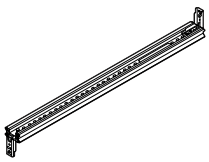
Structural Horizontal

6"–120"

●



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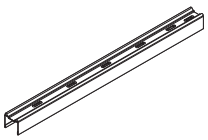
Intermediate Horizontal

6"–120"

●



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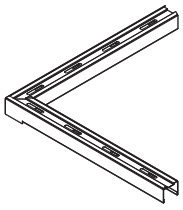
Straight Ceiling Track

120'	144'
●	●



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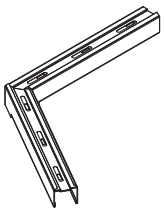
Corner Fixed Angle Ceiling Track

90°	120°	135°
●	●	●



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Corner Variable Angle Ceiling Track

91°–179°

●

Structural Frame Components, continued

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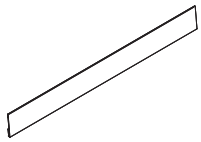
T/X Ceiling Track Bracket



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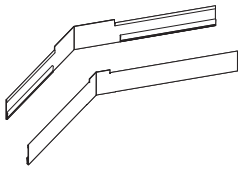
Straight Base Trim

120"	144"
●	●



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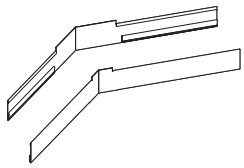
Corner Fixed Angle Base Trim

90°	120°	135°
●	●	●



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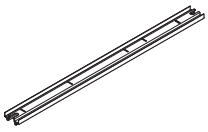
Corner Variable Angle Base Trim

91°–179°
●



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Floor Track

6"–120"
●

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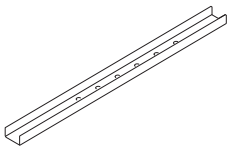
Floor Track Spring

Structural Frame Components, continued



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Floor Guide

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Short Post Leveler Bracket

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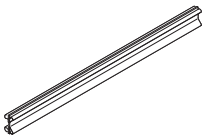
Post Acoustic Seal Packages



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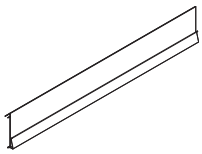
Intermediate Horizontal Acoustic Seals



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Structural Horizontal Acoustic Seals

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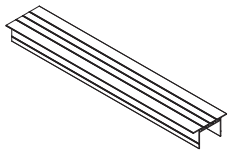
Structural Beam

12"–120"W

●

Cornice Application



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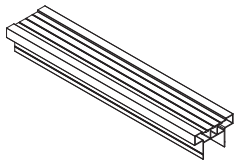
Cornice Track Deck

130"

●



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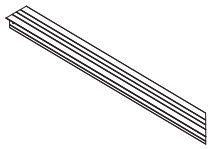
Cornice Track Beam

130"

●



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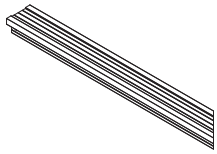
Cornice Track Deck Corner

36" x 36"

●



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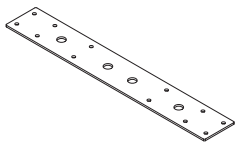
Cornice Track Beam Corner

36” x 36”

●



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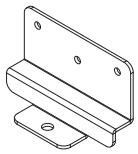
Cornice Bracket



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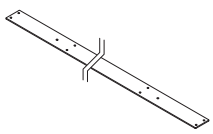
Cornice Skin Structural Bracket



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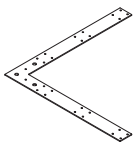
Cornice Seismic Reinforcing Track – Straight



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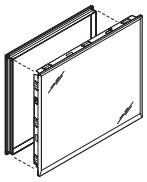
Cornice Seismic Reinforcing Track – Corner

Captured Glass Frames



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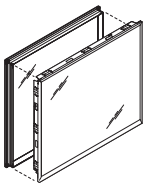
Single Glazed Captured Glass Frame

12"–141.71654"H x 12"–120"W

●



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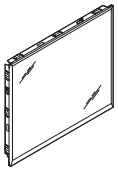
Double Glazed Captured Glass Frame

12"–141.71654"H x 12"–120"W

●



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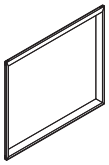
Single Side Captured Glass Frame—Side A and Side C

12"–141.71654"H x 12"–120"W

●



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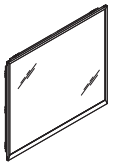
Single Side Captured Glass Frame—Side B

12"–141.71654"H x 12"–120"W

●



Understanding
▶Page 36
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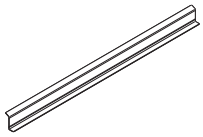
▶Page 141

Single Side Captured Glass Frame—Side D (Back-Painted Glass)

12"–120"H x 12"–120"W

●



Understanding
▶Page 36
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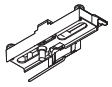
▶Page 142

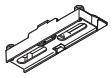
Acoustic Seal for Captured Glass

24"W	48"W	72"W	96"W	120"W
●	●	●	●	●

Brackets and T Nuts



Locking Bracket
Specifying
▶ Page 143

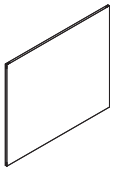


Non-Locking Bracket
Specifying
▶ Page 143

Load Bracket
Specifying
▶ Page 143

T Nuts
Specifying
▶ Page 143

Skins



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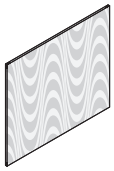
▶ Page 146

Solid Steel Skin

6"–141.71654"H x 6"–120"W

●



Understanding
▶ Page 40
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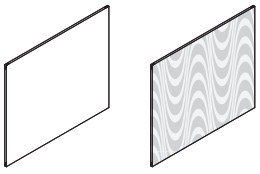
Solid Veneer Skin

6"–120"H x 6"–120"W

●



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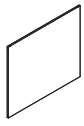
Solid Laminate Skin

6"–120"H x 6"–120"W

●



Understanding
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Ceramic Skin

24"–120"H x 24"–120"W

●

▶**Statement of Line,** continued

Skins, continued

Understanding
▶Page 40
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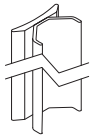
▶Page 150

Flush Skin Seal



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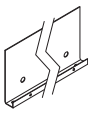
90° Inside Corner Flush Skin Seal



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▶Page 150

Cove Base Trim - Straight

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▶Page 40
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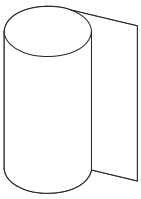
▶Page 151

Junction Cover Retention Clip



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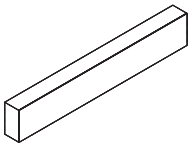
Acoustic Insulation



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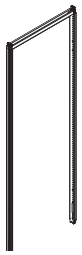
Acoustic Skin Seal

Reversible Swing Doors



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Single Reversible Swing Door Frame

82.44100"–123.71627"H x 28–44.445"

●

Understanding
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Single Reversible Solid Swing Door Leaf

82.44100"–123.71627"H x 28–44.445"

●

Understanding
▶Page 46
Specifying
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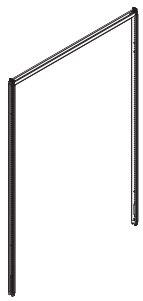
Single Reversible Polished Edge Swing Door Leaf

82.44100"–123.71627"H x 28–44.445"

●



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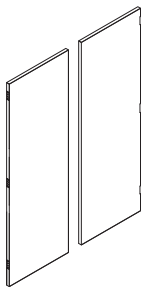
Pair of Reversible Swing Door Frames

82.44100"–123.71627"H x 48"–80"

●



Understanding
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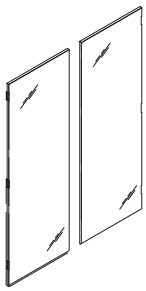
Pair of Reversible Solid Swing Door Leaves

82.44100"–123.71627"H x 48"–80"

●



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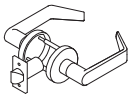
Pair of Reversible Polished Edge Swing Door Leaves

82.44100"–123.71627"H x 48"–80"

●

Door Hardware



Cylindrical Latch Set
Specifying
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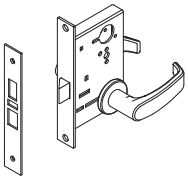
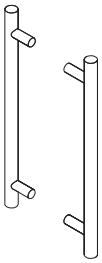
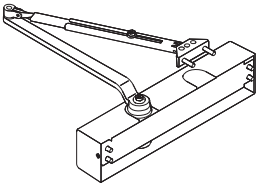


Mortise Latch Set
Specifying
▶Page 166

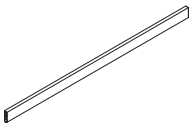


Push/Pull Handle
Specifying
▶Page 166



Door Closer
Specifying
▶Page 166

Roller Latch
Specifying
▶Page 167



Door Drop Seal
Specifying
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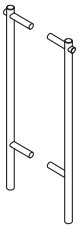
Electric Hinge
Specifying
▶Page 168



Ladder Pull, Aligned
Specifying
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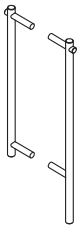

Ladder Pull, Offset
Specifying
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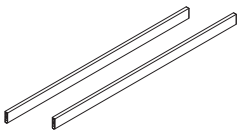

Door Drop Seals
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Flush Bolts
Specifying
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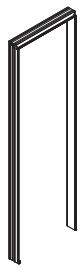
Slider Doors



Understanding
▶Page 52
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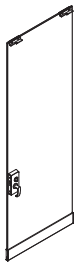
Single Surface Mounted Slider Door Frame

80.984"–120"H x 38–48"W

●



Understanding
▶Page 52
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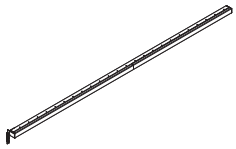
Single Surface Mounted Polished Edge Slider Door Leaf

80.984"–120"H x 38–48"W

●



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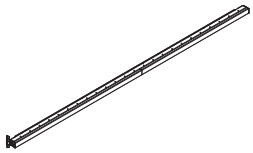
Basic Single Surface Mounted Slider Door Track

6"–144"W

●



Understanding
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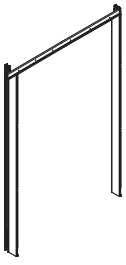
Reinforced Single Surface Mounted Slider Door Track

98.00001"–168"W

●



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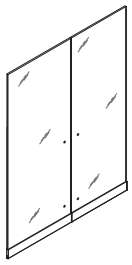
Frame for Pair of Surface Mounted Slider Doors

80.984"–120"W

●



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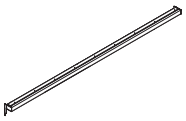
Pair of Surface Mounted Polished Edge Slider Door Leaves

80.984"–120"W

●

Slider Doors, continued



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Reinforced Track for Pair of Surface Mounted Slider Doors

106.874"–288"W
●

Intersections—Junctions and Adapters

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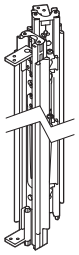
Two-Way Fixed Angle Junction Assembly

80"–144"H	90°	120°	135°	180°
	●	●	●	●



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Two-Way Variable Angle Junction Assembly

80"–144"H	91°–179°
	●

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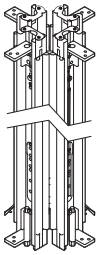
Three-Way Junction Assembly

80"–144"H	90°	120°	135°
	●	●	●



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Four-Way Junction Assembly

80"–144"H
●

Intersections—Junctions and Adapters, continued

Understanding
▶Page 68
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Inner Junction Cover

77.71654"–141.71654"H	120°	135°
	●	●

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Variable Angle Inner Junction Cover

77.71654"–141.71654"H	91°–179°
	●

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90° Inner Junction Trim

77.71654"–141.71654"H	90°
	●

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Outer Junction Cover

77.71654"–141.71654"H	90°	120°	135°	180°
	●	●	●	●

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Variable Angle Outer Junction Cover

77.71654"–141.71654"H	91°–179°
	●

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Bypass Outer Junction Cover

77.71654"–141.71654"H
●

Intersections—Junctions and Adapters, continued

Understanding
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90° T/X Adapter

77.71654"–141.71654"H

●

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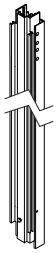
Finished End

77.71654"–141.71654"H

●

Mini Ends



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90° Adjustable Mini End

	Small (2 1/4"– < 3"W)	Medium (3"– < 4 1/2"W)	Large (4 1/2"–6 3/4"W)
80"–144"H	●	●	●

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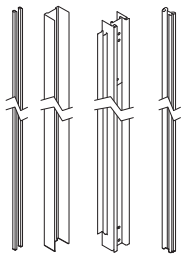
Mini End Cover

	Small (2 1/4"– < 3"W)	Medium (3"– < 4 1/2"W)	Large (4 1/2"–6 3/4"W)
77.71654"–141.71654"H	●	●	●

Cutable Ends



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90° Cutable End Assembly

80"–144"H

●

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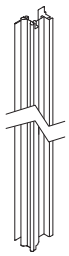
90° Cutable End Inner Channel

48"L 120"L 144"L

● ● ●



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90° Cutable End Outer Channel

48"L 120"L 144"L

● ● ●

Understanding
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Cutable End Capture Trim

12.1"–144"H

●

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Cutable End Corner Angle

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Cutable End Elbow

Electrical Components

15 amp

20 amp

Receptacle
Understanding
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USB Receptacle
Understanding
▶ Page 80
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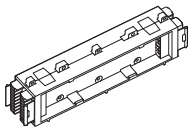

Power Block
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Power/Communication Receptacle Trim
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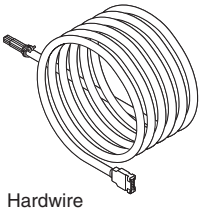
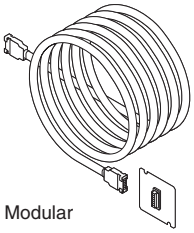
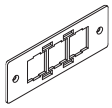


Hardwire



Modular

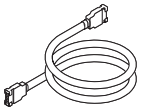
Blank Cut-Out Cover
Understanding
▶ Page 80
Specifying
▶ Page 208



Modular Communication Faceplate
Understanding
▶ Page 78
Specifying
▶ Page 209

Multipurpose Infeed
Understanding
▶ Page 79
Specifying
▶ Page 210

Power Block Connector
Understanding
▶ Page 80
Specifying
▶ Page 210



Modular Harness
Understanding
▶ Page 78
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Harness-to-Harness Branching Connector
Understanding
▶ Page 80
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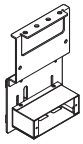
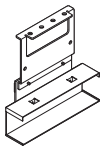
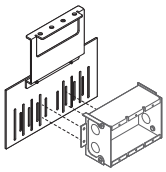


Data

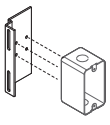


Modular

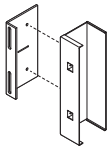


Hardwire

Electrical Mounting Bracket-Skin
Understanding
▶ Page 78
Specifying
▶ Page 212



Hardwire box



Modular power block

Electrical Mounting Bracket- Utility Panel
Understanding
▶ Page 78
Specifying
▶ Page 212

Electrical Components, continued

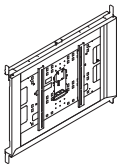
Understanding
▶Page 81
Specifying
▶Page 213

Utility Panel Cover

77.71654"–141.71654"H

●

Technology Components



Understanding
▶Page 86
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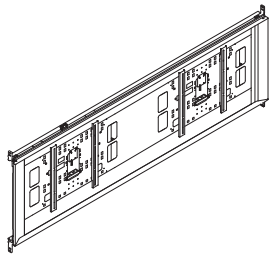
Single Monitor Shroud

42"W	48"W	54"W	60"W
●	●	●	●



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▶Page 86
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Double Monitor Shroud

96"W
●

Understanding
▶Page 86
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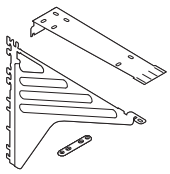
Camera Shelf for Monitor Shroud

Hang-On Components



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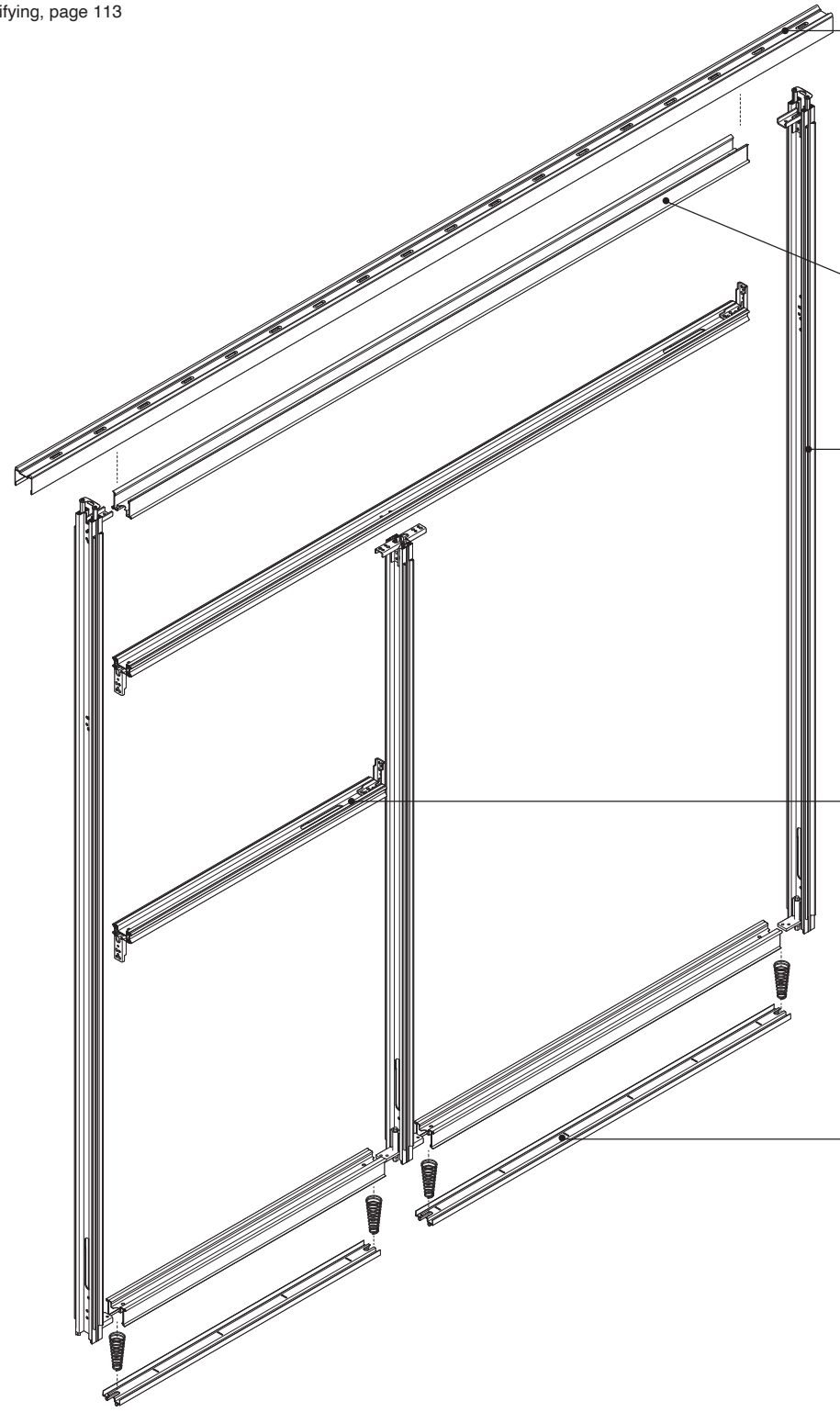
On-Module Cantilever

Understanding
▶Page 97
Specifying
▶Page 220

Side Support Brackets

Structural Frame Components

▶Specifying, page 113



Ceiling track secures the top of the V.I.A. wall to the suspended ceiling grid. There are three types of ceiling track: straight, corner fixed angle, and corner variable angle.

Structural horizontals provide structural connection from post to post at the top and bottom of the wall.

Posts provide vertical support, include threaded levelers for adjustment at the floor, and contain slots for hang-on components.

Intermediate horizontals are mounted between the floor and ceiling to support skin segmentation and electrical components.

Floor track is set between posts to receive base trim and provide visual and acoustic separation at the floor.
Tip: When installing on low-profile floor, specify floor guide.

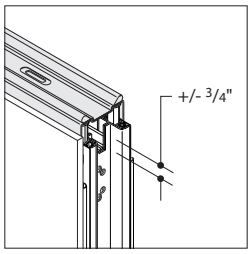
Product Details

▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.

V.I.A. structural frames provide the structure for floor-to-ceiling walls to the exact dimensions and configuration of the wall as defined by the planner. The walls can carry power and data, accommodate technology, and may be relocated as needs change.

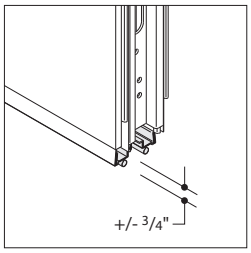
Base trim is cut on site and applied to the floor track to provide visual and acoustic separation.

Power and communication mounting brackets are attached to structural and intermediate horizontals for positioning modular and hardwire electrical components.
▶See *Electrical Components*, page 78



Ceiling track comes in 120" and 144" lengths; can be field cut on site. Allows 3/4" of vertical adjustment to accommodate ceiling variation.

There are two corner options: Fixed angle corners: 90°, 120°, and 135°. Variable angle corners: 91°– 119°, 121°–134°, and 136°–179° in 1° increments.

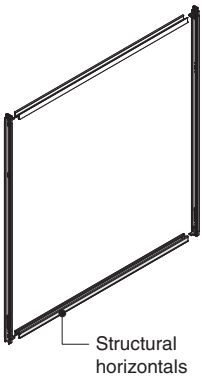


Floor track fits between vertical posts, junctions, or adapters. Allows 3/4" of vertical adjustment to accommodate variations at the base of the wall. Floor track is available from 6" to 120"W to fit V.I.A. wall module width.

Springs are inserted between the floor track and structural horizontals to ensure continuous contact of the floor track with the floor.
▶See *SmartTools*, page 4.

Floor track sections that are 12"W or wider include cut-outs for routing cable through the floor.

In most cases, floor track will not be visible. In cases where extreme floor deviation occurs, a small portion of the track may be visible. The floor track should be painted to match the base trim.

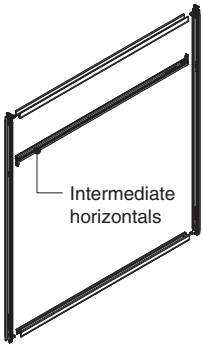


Structural horizontals provide structural connection from post to post at the top and bottom of the wall.

Structural horizontals are manufactured to match the module planning width.

The minimum length of structural horizontal is 6"L and the maximum length is 120"W. Structural horizontals include cut-outs for routing cable through the floor or ceiling.

Horizontals that are less than 16"W will not include factory cutouts for cabling. Additional cutouts for cable routing can be drilled during installation.



Intermediate horizontals are positioned between posts to accommodate desired skin or glass segmentation.

Intermediate horizontals are positioned between transom height door frames and the component above (skin or captured glass frame).

Intermediate horizontals are positioned as needed to support mounting brackets for electrical components.

Intermediate horizontals accommodate power and cable at user defined heights as low as ADA.

One cable access hole per intermediate horizontal allows for routing of power and communications cabling.

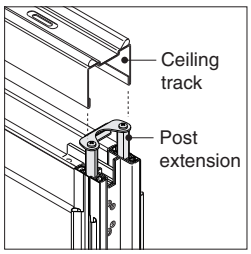
Skins can span across intermediate horizontals.

Posts provide vertical support and are positioned between skins, captured glass frames, and door frames. Post minimum is 15" planning height and maximum is 144" ceiling height.

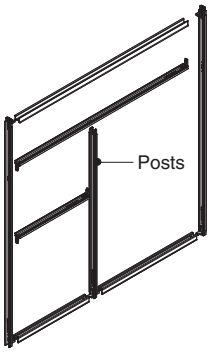
When the ceiling height exceeds 10'-0", posts cannot be spaced more than 48" apart.

Posts include threaded levelers for adjustment at the floor. Posts always extend to the floor.

The top of a post can be specified to connect to the ceiling track or an intermediate horizontal.

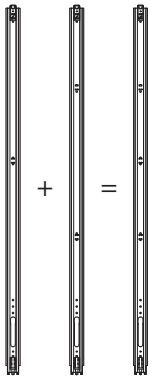


When connecting at the ceiling track, the post includes a post extension to accommodate for variation at the ceiling.

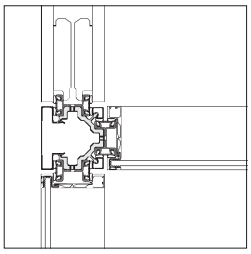


Posts are factory prepared to receive intermediate horizontals at specified heights.

Where posts and horizontals intersect, the post will be continuous, and will separate the horizontals.
▶See *SmartTools*, page 4



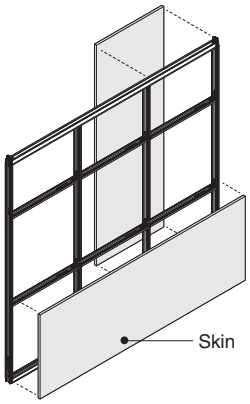
Posts can be configured to receive up to 11 intermediate horizontals. Positions are optimized so that multiple segmentation configurations can be applied to every post to create a universal post as appropriate for a specific project.
▶See *SmartTools*, page 4



Multiple posts are joined together at intersections to create junctions.
▶See page 68

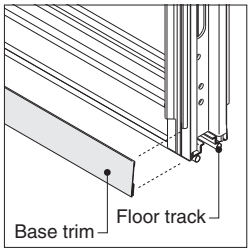
A cable access hole at the bottom of each post allows for routing of power and communications cabling.

▶**Structural Frame Components,** continued



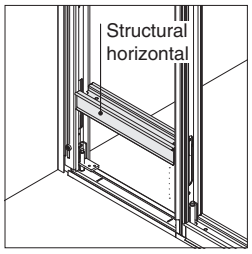
Skins can span across posts.

When two or more door frames connect at a single junction, a short leveler bracket is installed at the bottom of the post within that junction.
▶See page 123

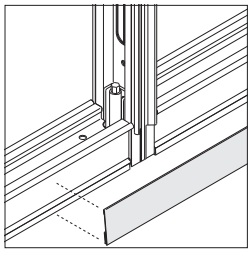


Base trim fits into position at the bottom of the wall over the floor track. Two sizes are available: 10' and 12'L. Base trim is cut to length during installation. 12' lengths can be used over larger spans to minimize the number of seams.

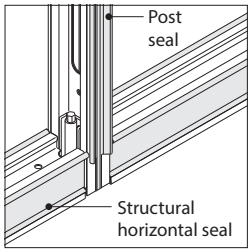
Base trim corner options are:
- Fixed angle corners: 90°, 120°, and 135°.
- Variable angle corners: 91° to 119°, 121° to 134°, and, 136° to 179° in 1° increments.



Structural horizontals that are positioned adjacent to cutable ends will be modified to ensure that cable cut-outs do not interfere with the bracket connection. These horizontals will receive one cut-out only when 22.61" long or greater. Structural horizontals that are less than 22.61" will not have any cable cut-outs.



Base trim spans posts, junctions, utility panel, and cut wall panels.



Posts, structural horizontals, and intermediate horizontals include two factory applied seals that minimize sound transmission.
Tip: Seals can also be ordered as a Service Part.

ADA height mounting brackets can be mounted to the bottom structural horizontal which will position power and communication receptacles at an ADA compliant height.

Connections

Ceiling track brackets connect sections of straight ceiling track at all T and X intersections.
- T = one bracket
- X = two brackets

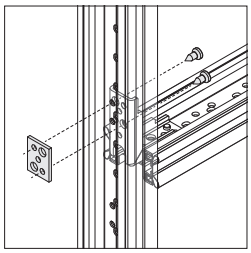
Ceiling track fasteners secure the track to the suspended ceiling grid. Seven standard styles:
- 1"W exposed T
- $^{9}/_{16}$"W exposed T
- $^{1}/_{4}$" Donn fineline
- $^{1}/_{8}$" Donn fineline
- 1" fluted runner $^{1}/_{4}$–20
- 1"W T for tegular ceiling tiles
- $^{9}/_{16}$"W T for tegular ceiling tiles

Spacers are included with fasteners for tegular ceiling tiles that allow adjustment for different tile edge depths.

Fasteners for other types of ceilings are purchased locally.

▶See page 28

The building's designated design professional (architect or engineer) must verify that the ceiling grid is adequate to support the lateral loads imposed by V.I.A. Local codes may require independent bracing.



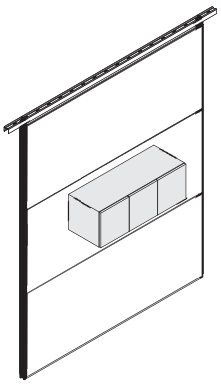
Nut plates attach intermediate horizontals to posts at two-way (fixed or variable angle) junctions, three-way junctions, four-way junctions, utility panels, and mini ends.

Screws affix structural and intermediate horizontals to posts.

Floor guides are positioned under posts, and are required when installing V.I.A. on Low Profile Floor. They include material for gripping to hard surfaces and carpet.

Floor guides can also be specified for use in seismic design applications. Additional mechanical fasteners (not included with the floor guide) may be required as specified by the structural engineer.
▶See page 122

When planning with V.I.A. on Low Profile Floor, do not position the wall directly above the edge trim as this will create an unstable condition.



Structural beams are used to provide internal reinforcement in those applications where surface mounted storage is desired.

▶See Structural Beam, in *Hang-On Components* Understanding, page 96

Wiring & Cabling

Power and data components are ordered separately. Standard access openings are available in the framing components. There is adequate space within the walls to feed the wires and cable needed for either modular or hardwire power and communication. ADA and desk height are the most common placements for power and communication. However, the parametric approach used by V.I.A. can allow for almost any positioning of electrical components.

Surface Materials

Ceiling track
- Paint

Floor track
- Paint

Base trim
- Paint

Seals
- Plastic

Acoustic seals
- Plastic

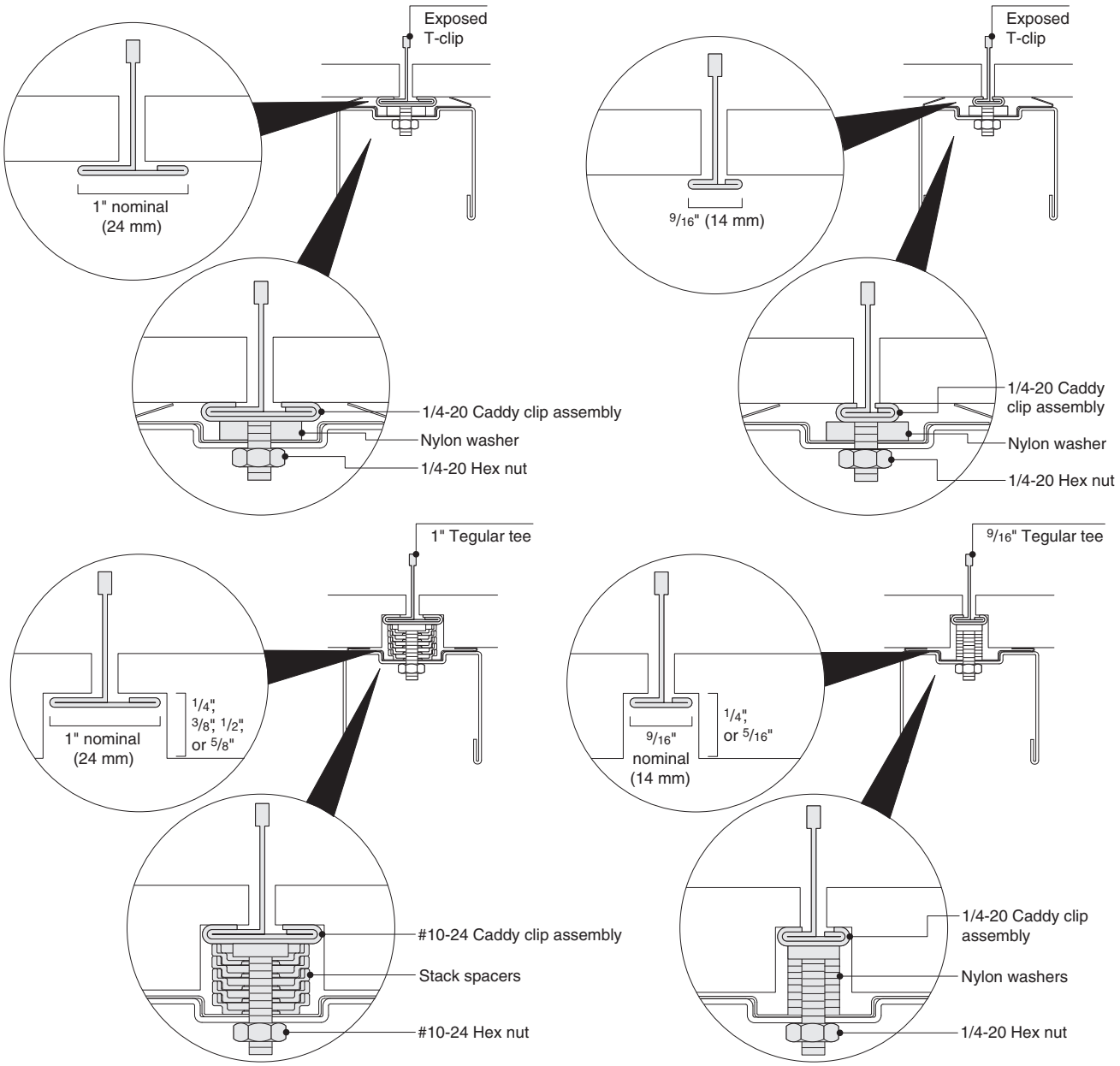
Application Topics

V.I.A. Planning Dimension
▶See page 103
Electrical Components
▶See page 78
Acoustic Planning Considerations
▶See page 110
Planning with Solid Skins and Landscape Oriented Components
▶See page 104
Hang-On Components
▶See page 94

Ceiling Clip Application

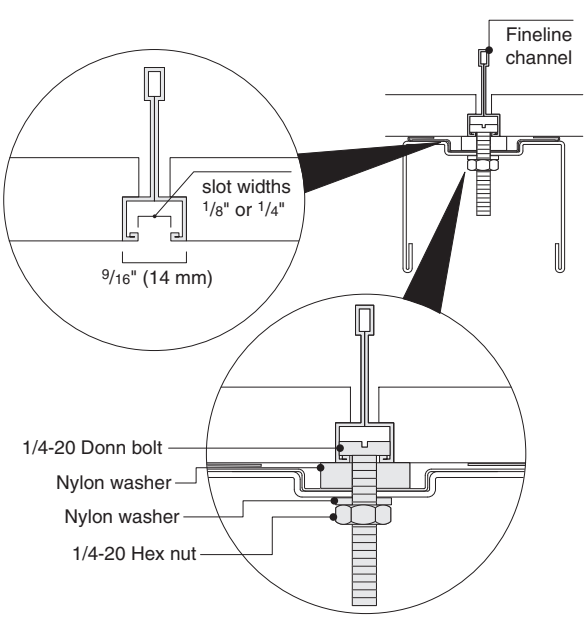
Tip: All planning and application guidelines contained in this section of the specification guide are based on the requirement that ceiling track is connected to a ceiling in order to properly install and align the wall components as shown. When any partition is fastened to a suspended ceiling grid, it may be necessary for an architect or engineer to verify that the grid can adequately support the partition. Local codes may require additional bracing.

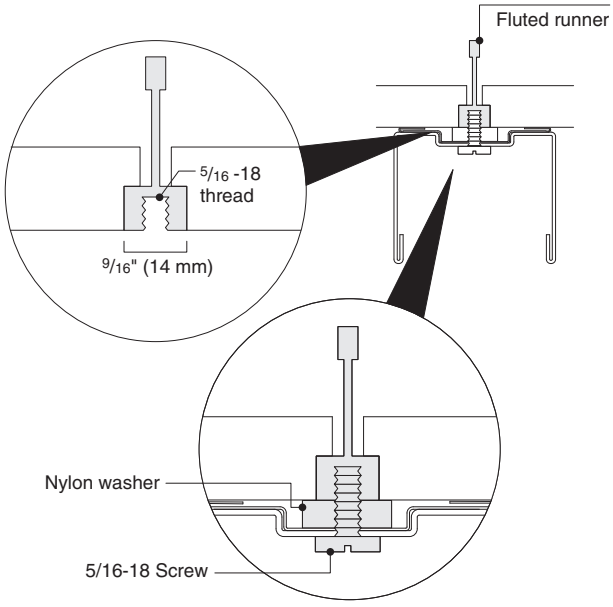
T Grid Ceiling Fastener Kits



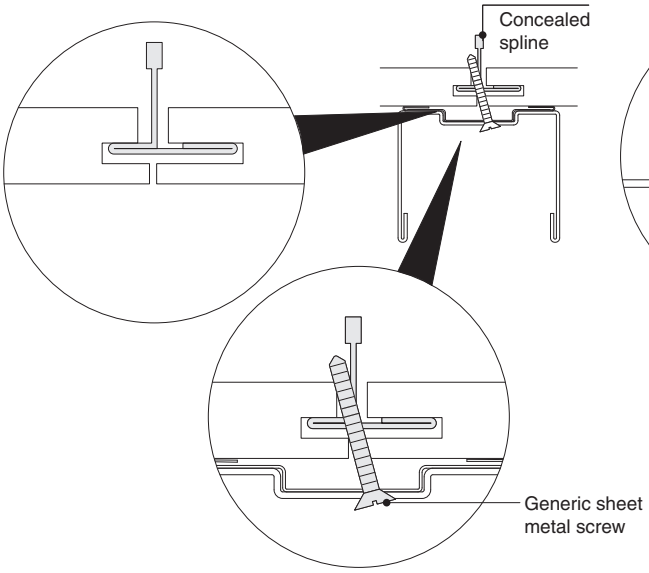
Bolt Slot Grids Ceiling Fastener Kits

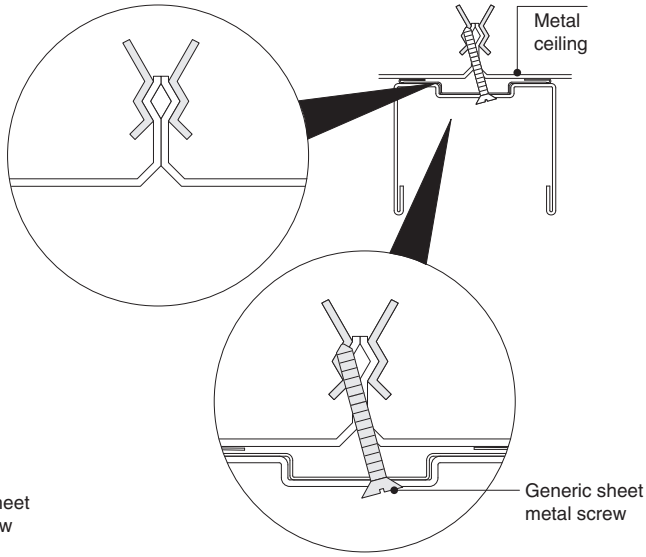
Ceiling clips support the most common types of ceiling systems.





Concealed Grids – Field-Purchased Generic Fasteners





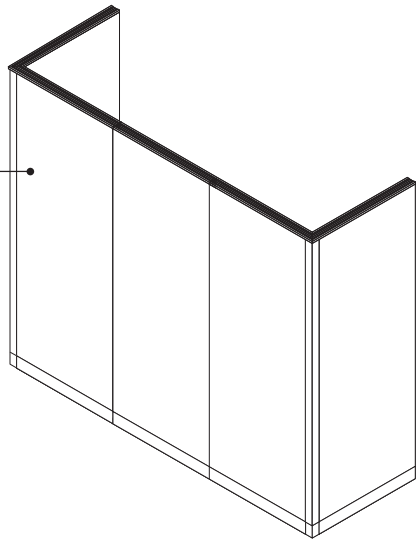
For these and other types of ceilings, the following fasteners can be sourced locally by the installer:

Concealed spline	#7 – 17 x 1 5/8" Bugle Head Self-Drilling Screws
Drywall	#14 – 1" Phillips Head SMS with plastic anchor
Plaster	1/4 – 20 Toggle Bolt
Concrete	Tapcon Anchor x 2"
Metal Pan	#7 – 17 x 1" Bugle Head Self-Drilling Screws

Cornice Application

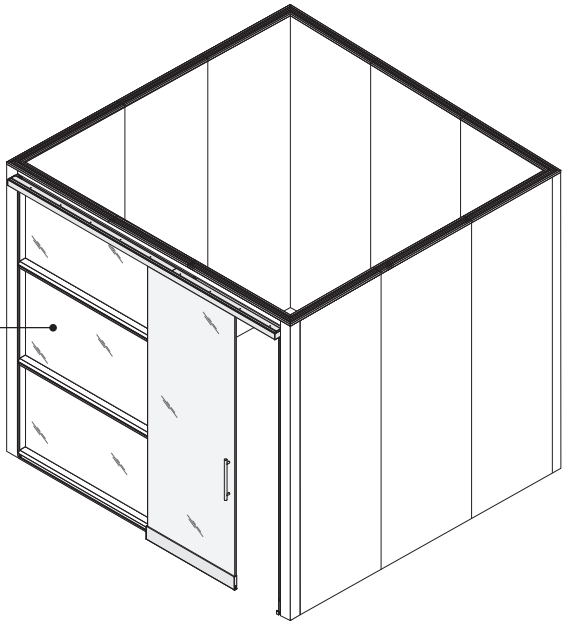
In some cases, it may be desirable to install V.I.A. in an application where there is no ceiling. In these types of applications, it is necessary to follow the panel stability guidelines for cornice application in order to provide an acceptable level of stability and rigidity. Also, cornice track is inserted into the top of the walls in place of ceiling track.

▶ Specifying, page 127



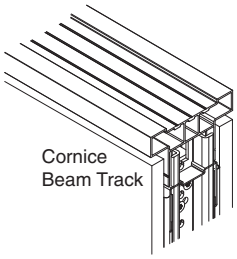
The maximum recommended length of a cornice height wall without a door is 12'.

The maximum allowable length of a cornice height wall without a door is 16'.

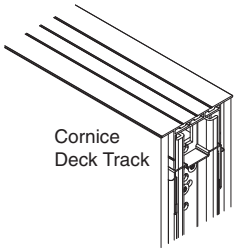


The maximum allowable length of a cornice height wall with a door is 12', which includes the door dimension. Any wall with a door must be configured with a structural condition at both ends.

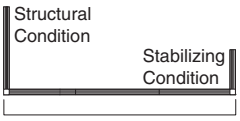
Product Details



When applied as free-standing wall without a lid structure, V.I.A. walls are installed with the cornice beam track to provide a finished top trim.



When applied with a wall supported lid assembly, V.I.A. walls are installed with the cornice deck track to provide a support surface for the lid structure.



16'0" Maximum allowable
12'0" Maximum recommended

The maximum recommended length of a cornice height wall without a door is 12'.

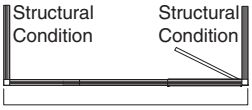
The maximum allowable length of a cornice height wall without a door is 16'.

Any wall greater than 5' long must be configured with at least a structural condition at one end and a stabilizing condition at the other. Structural conditions at both ends is also acceptable.

Any wall greater than 16' long must have the appropriate structural and stabilizing conditions met at a minimum of every 16'.

A wall of 5' or less must be configured with at least a structural connection at one end only. No additional end condition is required.

Walls can be made up of captured glass or solid skins in any configuration without effecting rigidity.

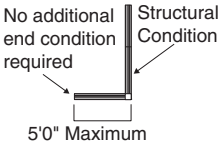


The maximum allowable length of a cornice height wall with a door is 12'.

Any wall with a door must be configured to structural conditions at both ends.

Tip: See page 32 for structural conditions.

Tip: See page 33 for stabilizing conditions.



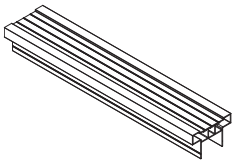
A wall of 5' or less must be configured with at least a structural connection at one end only. No additional end condition is required.

Cornice track is used in place of ceiling track when installing V.I.A. walls in cornice applications.

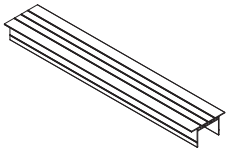
Cornice track is provided in 130" lengths and cut to length as part of the installation process.

Cornice track is field cut to create intersections as required.

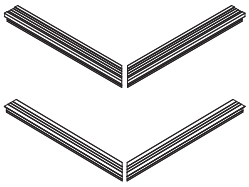
Screws for cornice track are provided and shipped separately.



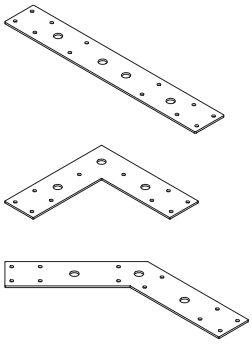
Beam track is used as a finished top trim when walls are applied without a lid assembly. Beam track can be painted or anodized finish.



Deck track is used when a wall supported lid assembly is installed. Lid track is available in painted finishes only.



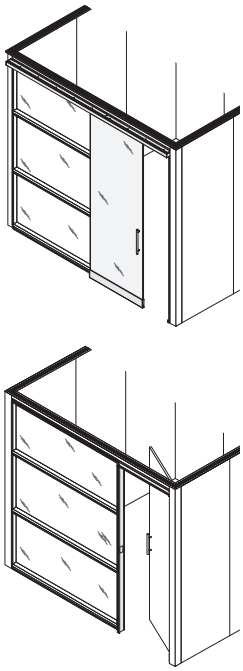
Cornice corner track is specified at L corners for both beam and deck tracks. Corners are factory-mitered and assembled as part of the installation process.



Cornice brackets are provided to join cornice sections at 90°, 135°, and 180° connections.

Screws for cornice brackets are provided and shipped separately.

3-Way 135° intersections can be created by using a 135° cornice bracket to join two of the three walls. Cornice track is cut during installation to accommodate the Y configuration.



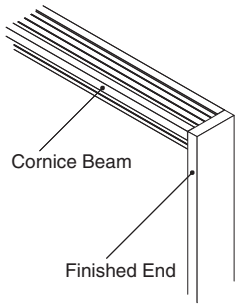
Cornice height walls can be used with slider doors or reversible swing doors, in both single and pair configuration, as well as full height or transom height.

The maximum length of a cornice height wall with a door is 12'.

Cornice height walls cannot support wall-mounted furniture.

Monitor shrouds and surface mounted monitors can be used with cornice height walls.

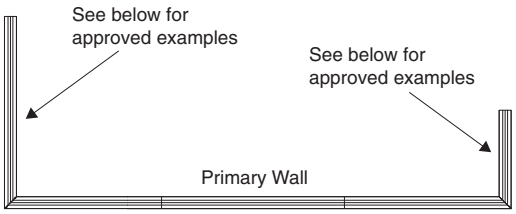
Standard guidelines for power and data apply. Power infeeds must be routed from the floor to adjacent wall.



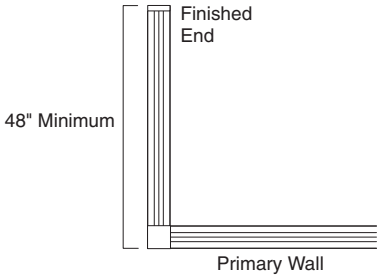
When applied in cornice applications, finished ends should be ordered and specified at a taller height in order to conceal the end of the cornice beam. Planning height = ceiling height minus 0.90551".

Structural Conditions

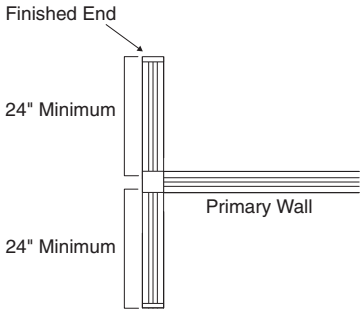
Examples



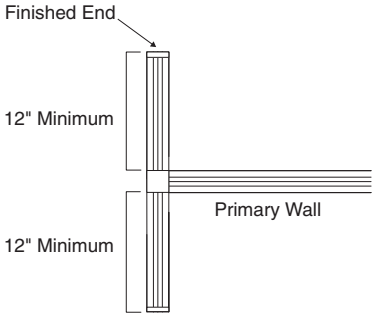
See below for approved examples



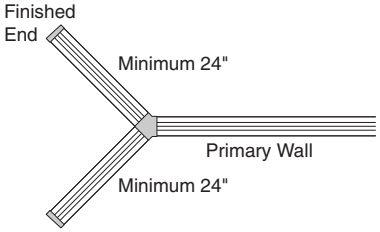
L-wing wall with finished end 48" minimum.



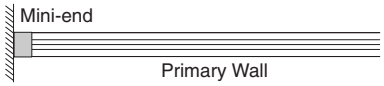
T-wing wall with finished ends 24" minimum.



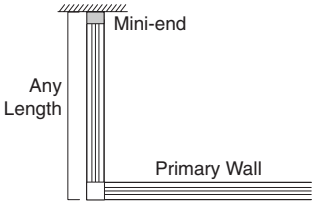
T-wing wall with finished ends 12" minimum with seismic floor guide.



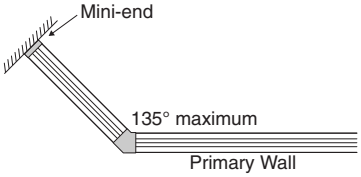
Y-wing walls with finished ends 24" minimum.



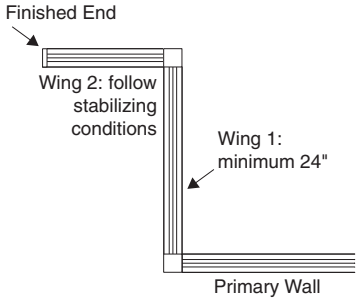
Mini-end anchored to fixed wall.



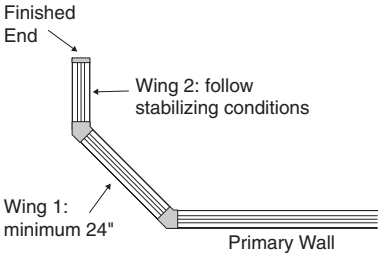
L-wing with mini-end anchored to fixed wall.



V-wing wall with mini-end anchored to fixed wall.



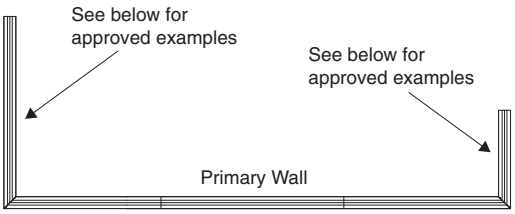
Offset wing walls with finished end. Total length of wing 1 and wing 2 must be greater than 48".



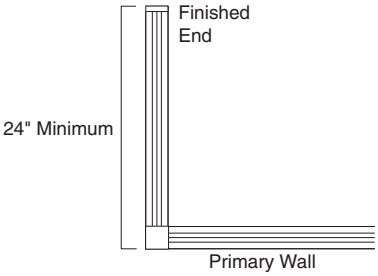
Offset wing walls with finished end. Total length of wing 1 and wing 2 must be greater than 48".

Stabilizing Conditions

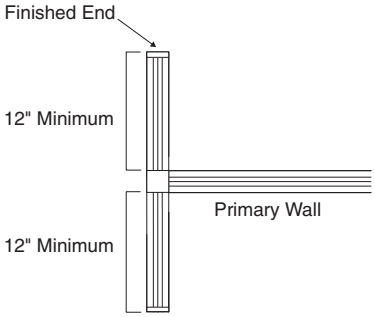
Examples



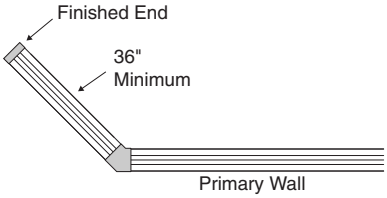
See below for approved examples



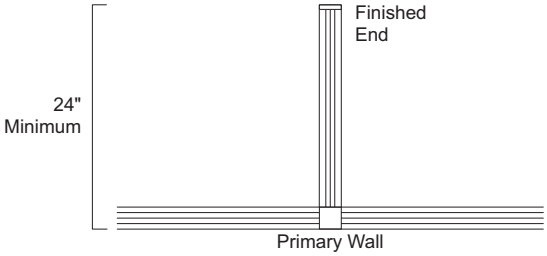
L-wing wall with finished end 24" minimum.



T-wing wall with finished ends 12" minimum.



V-wing with finished end 36" minimum.



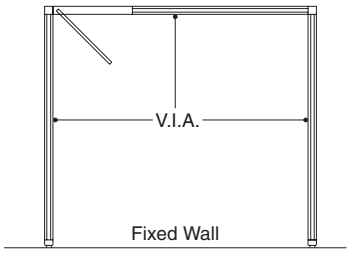
T-wing wall with finished end 24" minimum.

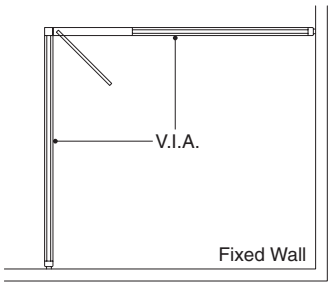
Tip: Any wall greater than 16' long must have the appropriate structural and stabilizing conditions met at a minimum of every 16'.

Cornice Seismic Planning Guidelines

When planning with V.I.A. cornice applications that require a seismic design criteria, additional bracing to the building structure may be required.

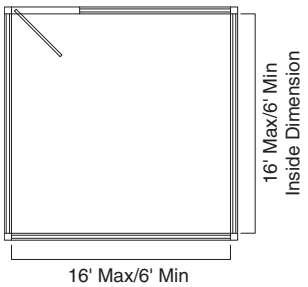
Seismic bracing may be avoided by using the following seismic planning guidelines for V.I.A. cornice height applications. Steelcase can provide a generic engineering report to confirm that these configurations will meet seismic structural performance requirements.





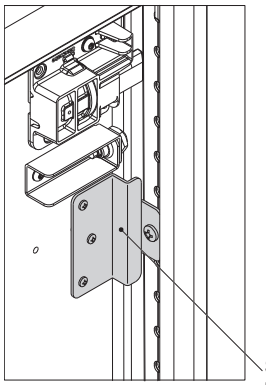
This seismic report applies to four-sided room configurations. The rooms can be planned using all V.I.A. walls, or a combination of V.I.A. walls and fixed construction walls that are adequately braced for seismic applications.

In order to comply with this report, spacing between posts cannot exceed 48". If post spacing exceeds 48", additional bracing to structure may be required.



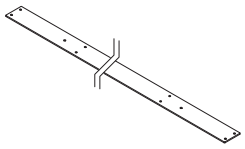
Maximum room size is 16'0" x 16'0". Neither wall can be less than 6'0". In seismic applications, wall lengths are defined by the distance between junctions or mini-ends.

This seismic report does not include lid applications. Cornice height applications with lids will require review by your local engineer.

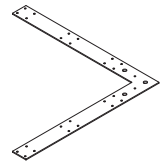


Structural skin brackets are installed on one side of wall and applied to the back face of solid skins when applied in seismic applications (four brackets per skin).

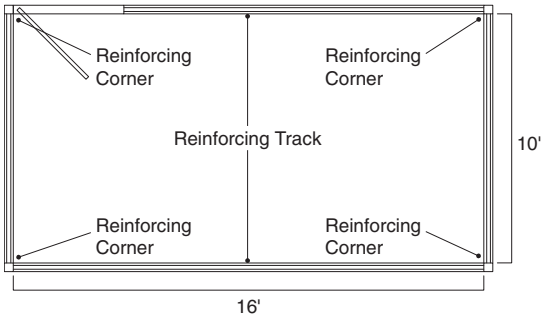
Seismic floor guides are also specified for use in seismic applications. Additional mechanical fasteners (not included with the floor guide) may be required as specified by the structural engineer.

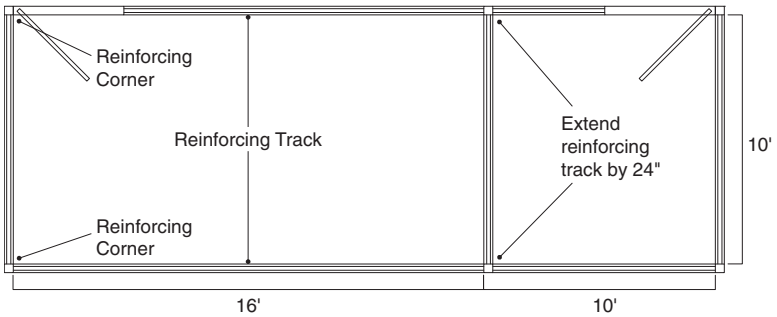


112" Long straight reinforcing track



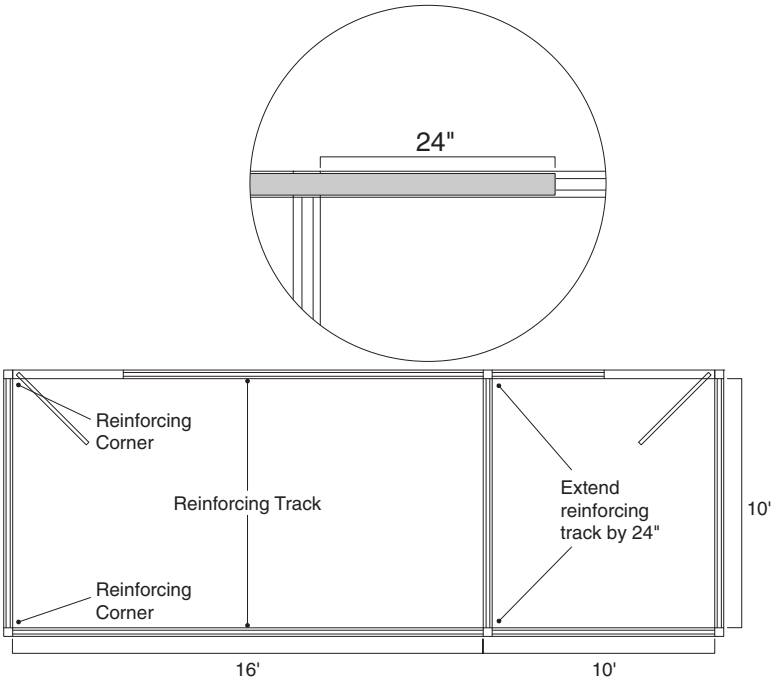
Corner reinforcing track





In seismic applications, when a wall is greater than 12'0" in length, that wall must be installed with straight seismic reinforcing and corner reinforcing tracks at the adjacent L corners.

Combining cornice height rooms into groups may require additional review and considerations by the structural engineer.



Reinforcing tracks are installed using bracket fasteners. Each straight seismic reinforcing track requires two sets of bracket fasteners. Each seismic reinforcing track corner requires three sets of bracket fasteners.

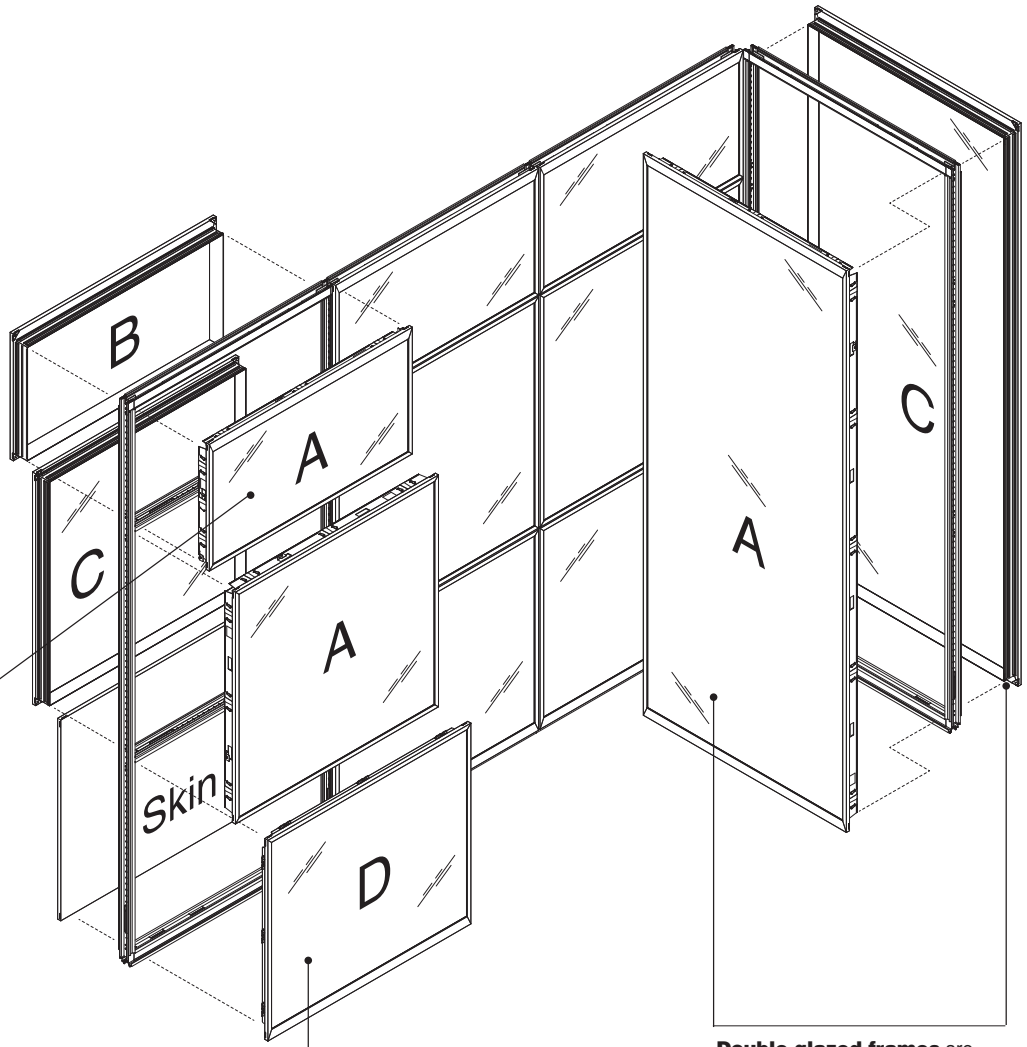
Captured Glass Frames

V.I.A. captured glass frames are pre-glazed and factory assembled to specified dimensions and orientation. They are mounted into structural frames along with solid skins and door units to provide the appropriate levels of privacy, interaction, and shared light.
▶Specifying, page 133

Captured glass frames can be combined in virtually any combination of size and orientation to create unique configurations and wide expanses of glass.

Captured glass frames can be either single or double glazed.

Captured glass frames can be combined with solid skins to create clerestory applications.



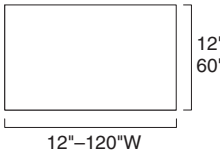
Single glazed frames are flush glazed, with planar alignment along one surface of the wall.

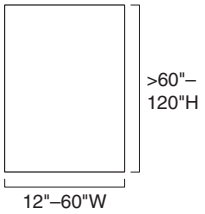
Double glazed frames are flush on both faces, and provide enhanced level of acoustic separation for superior speech privacy.

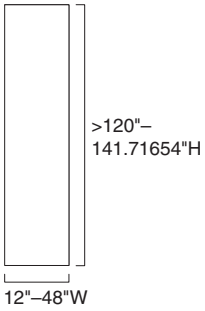
Back-painted glass frames allow the user to design with opaque painted glass as a solid skin, introducing visual accents and employing the functionality of a marker surface.

Product Details

▶See *V.I.A. Planning Dimensons,* page 103, for important information regarding dimensional references for all V.I.A. components.







Captured glass frames maximum height is 141.71654"H and maximum width is 120". Minimum height and width is 12".

Glass frames can be specified to the following overall dimensions:

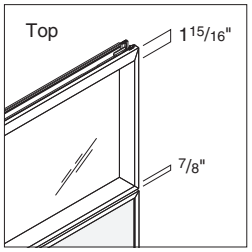
- If 12" to 60"H, then width can be 12"- 120"W.
- If greater than 60" to 120"H, then width can be 12" to 60"W.
- If greater than 120" to 141.71654"H, then width can be 12" to 48"W.

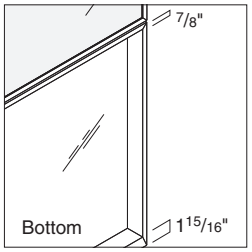
Minimum frame height in the bottom position is 15".

Minimum frame height in the top position is 12".

When the ceiling height exceeds 10'-0", posts cannot be spaced more than 48" apart.

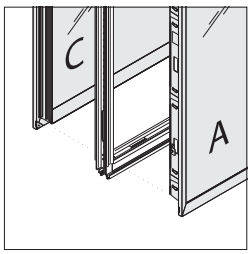
Glass frames can accommodate glass thickness from 1/4" to 3/8". Back-painted glass is available as 1/4" only.



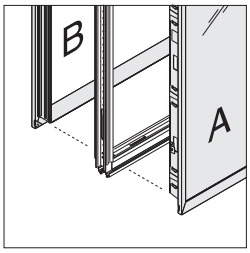


When segmented, top position frames are specifically configured to interface with the ceiling track. Bottom position frames are specifically configured to interface with the floor track. Intermediate frames can be installed in any intermediate position.

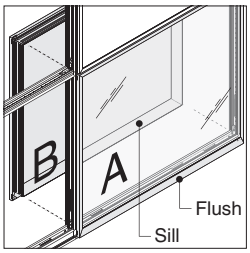
Captured glass frames are interchangeable with solid skins of the same size and orientation.

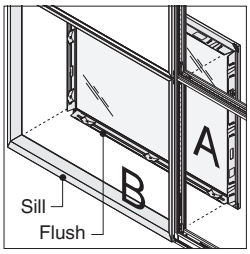


Captured glass frames consist of two sub-assemblies that engage with one another to create a finished frame.

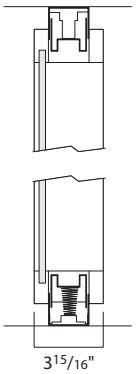


Single glazed frames are designed with a flush glazed side (side A) and a sill side (side B) to finish out the opening.

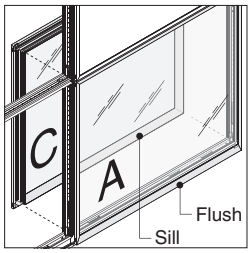


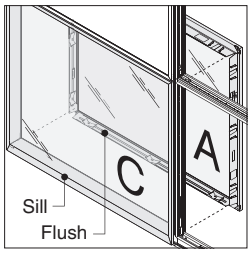


The flush side of a glass frame can be oriented to either face of the wall, without regard for other adjacent components.

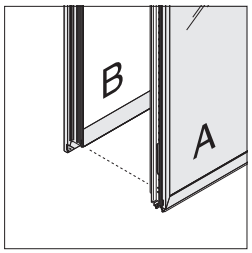


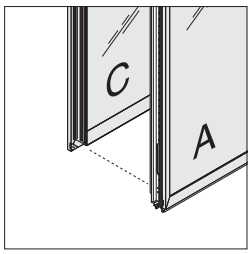
The overall wall thickness is 3 15/16".



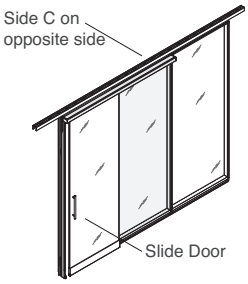


Double glazed frames are designed with two flush glazed sides. Side A is the same configuration as side A used in a single glazed frame. The other glazed side (side C) engages with side A to create a finished assembly.

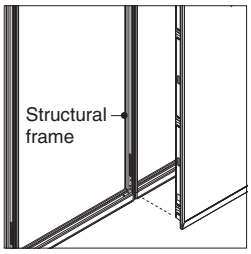




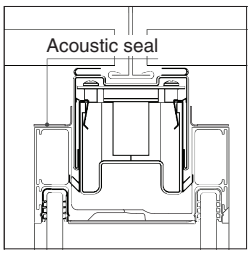
Single glazed frames can be retrofit double glazed by exchanging side B for side C, and vice-versa.

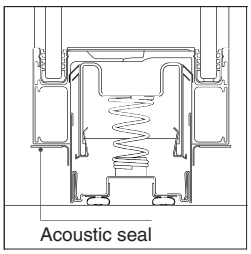


When planning with double glazed frames and slider doors, in order to simplify installation, it is recommended to position the side C frame on the opposite side of the wall from the door.



Each vertical edge of a glass frame must have a structural frame support to the floor.





Double glazed glass frames provide better reduction of sound transmission than single glazed frames.

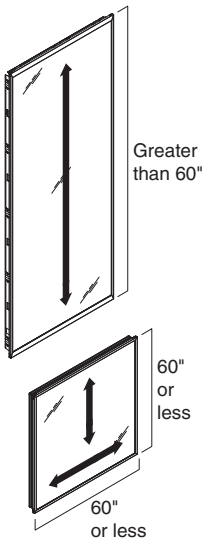
Glass frame acoustic seals are specified at the top and/or bottom of a double glazed frame, where it comes into contact with the ceiling track or base trim.

Acoustic seals are applied during the installation process.

Seals are not visible, due to their position at the top and bottom edges of the glass frame.

Different types and thicknesses of glass may change the overall acoustic performance of a glass wall.

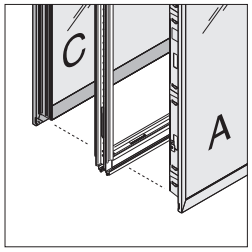
▶See *page 112* for more information about captured glass frames, acoustic planning considerations, and STC performance ratings.



Certain glass patterns have a linear pattern. When one of the glass frame dimensions is greater than 60", the linear direction will run parallel to the long dimension. When both frame dimensions are less than 60", the user can specify if the pattern is to run vertically or horizontally.

Tip: The frame on side A (outside edge) and side B (inside room) can be different finishes.

Certain etched or pattern glass types are polished on one face, and rough (etched or pattern) on the other. When defining the surface orientation of a glass frame, it is also important to consider the surface orientation of these types of glass. When planning with etched glass, the polished face of the glass is most often oriented to the corridor side of the wall to minimize the buildup of dirt on the etched face. Pattern glass is most often positioned with the patterned face oriented to the corridor, as the pattern face of the glass is considered the more attractive surface. Although these are the most common preferences for surface orientation, V.I.A. will allow for any relative position and orientation.

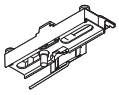


Captured glass frames can be different finishes from one side to the other (side A and C).

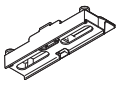
Glass in side A and side C can be different glasses.

To change from single-glazed to double-glazed or vice versa, individual captured glass frames can be ordered (sides A, B, or C).

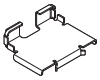
Captured glass frames include glazing strips which are platinum in color.



Locking bracket



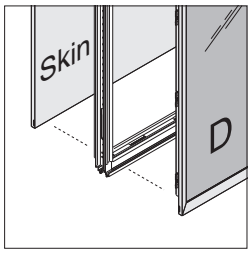
Non-Locking bracket



Load bracket

T-Nut

Brackets and hardware for assembling glass frames (sides A, B, and C) into the structural frame are specified separately. These include locking brackets, non-locking brackets, load brackets, and T-nuts.



Back-painted glass frames are fully opaque, and allow the user to apply them like solid skins rather than glass. For more information related to back-painted glass, see page 43.

Mounting brackets and hardware are included with back-painted glass frames.

Wiring and Cabling

Captured glass frames do not accommodate power or communication cabling.

Utility panels can be positioned adjacent to glass frames to facilitate cable routing and to introduce outlets, switches, and other electrical devices.

Surface Materials

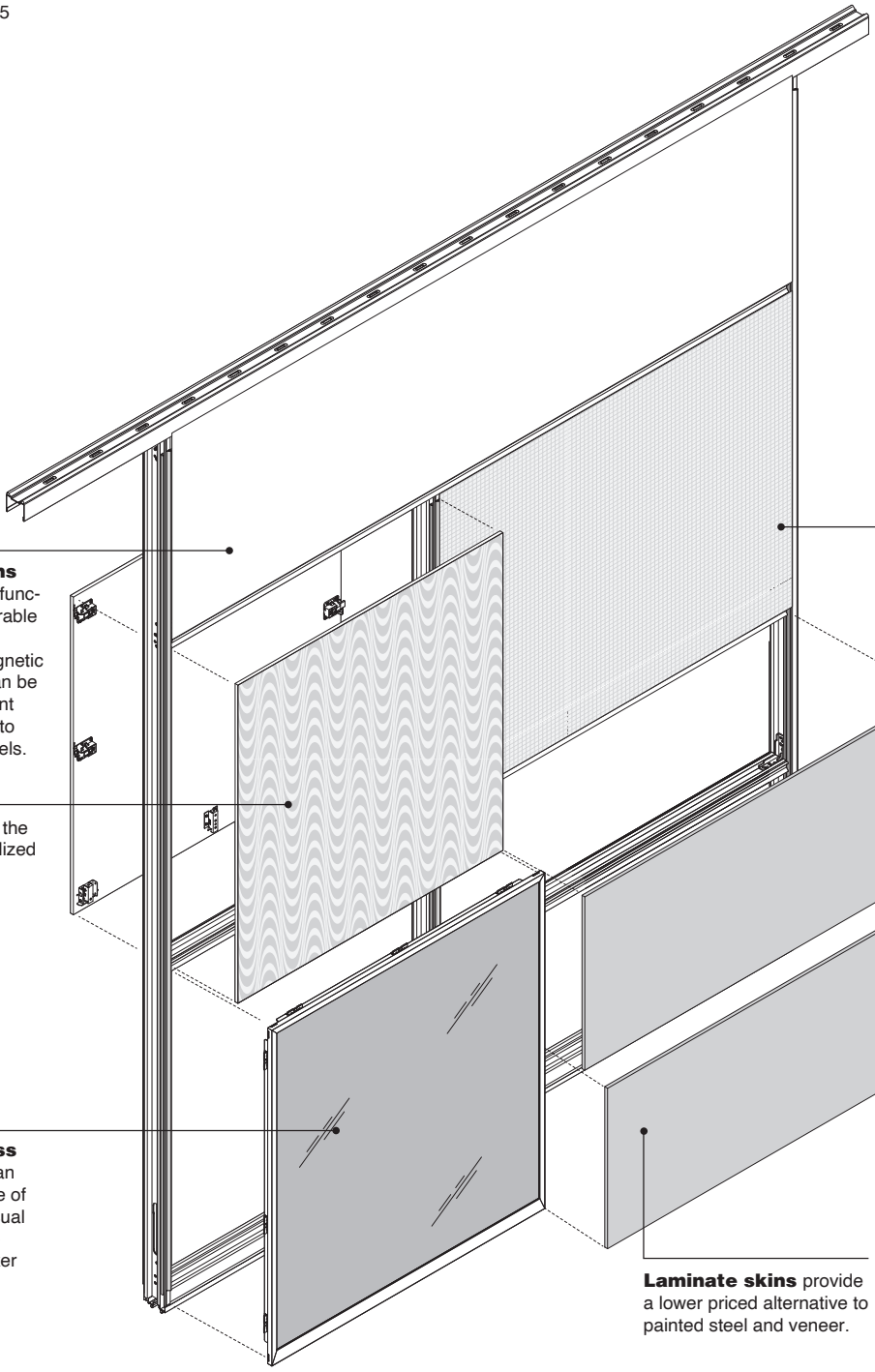
Glass Lite
- Glass
- Customer specified glass

Glass frames
- Paint
- 8043 Clear Anodized Aluminum

Back-painted glass frames
- Back-painted glass
- Paint
- 8043 Clear Anodized Aluminum

Skins

▶Specifying, page 145



Painted steel skins provide a simple and functional finish that is durable and easy to maintain. Surfaces support magnetic accessories. Skins can be combined with different acoustic accessories to achieve high STC levels.

Veneer skins offer the warmth and individualized personality of wood.

Back-painted glass frames like skins, can be applied to one face of the wall, provide a visual accent, and can function as erasable marker surfaces.

Fabric skins are constructed of the same steel substrate as painted steel skins.

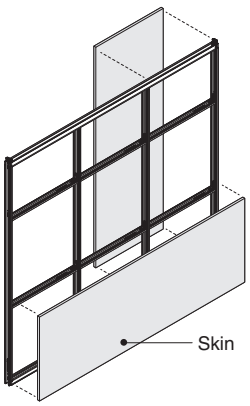
Laminate skins provide a lower priced alternative to painted steel and veneer.

Ceramic skins provide the ability to share ideas visually on the wall. Surfaces support magnetic accessories.

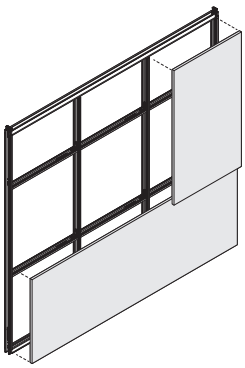
Product Details

▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.

Solid skins, available with steel, veneer and laminate surfaces, form the visual and functional surface of the vertical plane that creates the desired environment and facilitates future change.



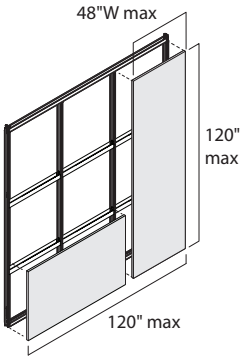
Skins can span structural framing elements, allowing for different skin geometry on opposite sides of a wall.

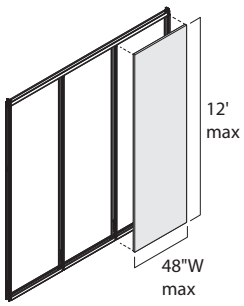


Skins can be oriented horizontally or vertically on the wall.

Solid skins include brackets for mounting to the structural frame.

Skin brackets are positioned for mounting specifically in top, bottom, or intermediate positions.





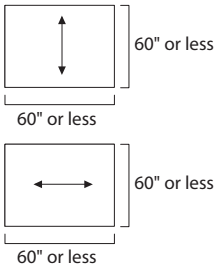
Steel portrait oriented skins can be specified in ceiling heights from 6'–8" to 12'–0". Maximum skin planning width is 60"W up to 10'–0" ceiling height and 48"W up to 12'–0" ceiling height.

Laminate portrait oriented skins can be specified in ceiling heights from 6'–8" to 10'–0". Maximum skin planning width is 60"W.

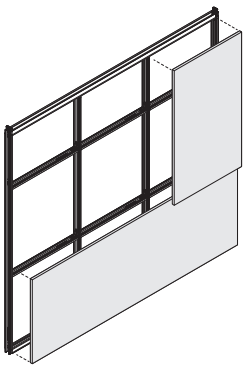
When orienting skins horizontally, the minimum dimension is 6"H x 15"W. The maximum dimension is 60"H x 120"W.

When orienting steel skins vertically, the minimum dimension is 6"W x 15"H, and the maximum dimension is 48"W x 144"H. (Skins that are 120"H or less can be 60"W maximum).

When the width or height of the skin exceeds 60", the fabric warp direction will run parallel to the long dimension.



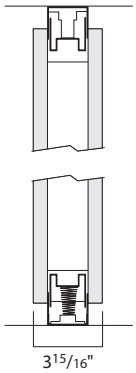
When the skin size is 60" or less in width and height, the fabric warp direction can be specified to run vertically or horizontally.



Skins can span across posts and intermediate horizontals.

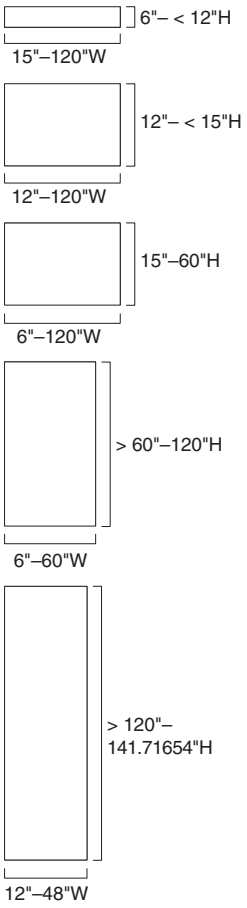
Height can be specified from 6"–141.71654" to accommodate different ceiling heights. See how the height parameters vary by skin type below.

▶See *V.I.A. Planning Dimensions,* Page 103.



The overall wall thickness is $3^{15}/_{16}$".

Steel Skins



Steel skins height range:

- If 6" to less than 12"H, then 15" to 120"W
- If 12" to less than 15"H, then 12" to 120"W
- If 15" to 60"H, then 6" to 120"W
- If greater than 60" to 120"H, then 6" to 60"W
- If greater than 120" to 141.71654"H, then 12" to 48"W

Width range is 6" to 120"W, depending on height rules above.

Minimum skin size is 6"W x 15"H or 15"W x 6"H. One dimension must equal 15".

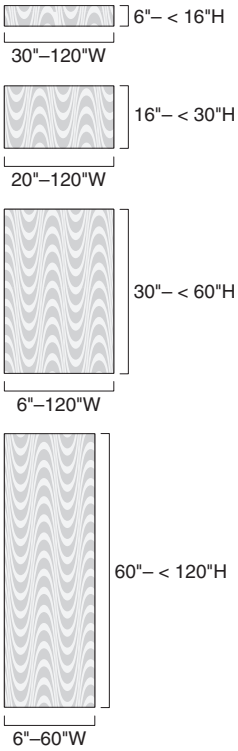
The minimum height of a skin in the top position of a wall is 12".

The minimum height of a skin in the bottom position of a wall is 15".

Maximum number of electrical cut-outs, in steel and laminate skins, is nine (if skin is large enough).

▶**Skins,** continued

Veneer and Laminate Skins



Veneer and laminate skins height range:
- If 6" to less than 16"H, then 30" to 120"W
- If 16" to less than 30"H, then 20" to 120"W
- If 30" to less than 60"H, then 6" to 120"W
- If 60" to less than 120"H, then 6" to 60"W

Width range is 6" to 120"W, depending on height rules above.

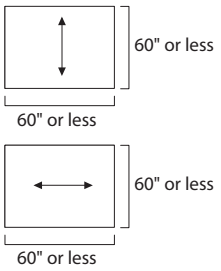
Minimum skin size is 6"W x 30"H or 30"W x 6"H.

Minimum skin dimension for laminate HPL skins is 8". The minimum dimensions for laminate LPL skins is 6".

If mounting in the bottom position, then the veneer skin must be at least 15"H.

Maximum number of cut-outs is nine (if skin is large enough).

When the width or height of a veneer or wood grain plastic laminate skin exceeds 60", the grain pattern will run parallel to the long dimension.



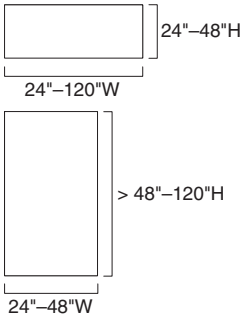
When the skin size is 60" or less in width and height, the grain pattern can be specified to run vertically or horizontally.

To help minimize the potential visual differences in grain pattern when applying veneer skins, Steelcase uses a randomly matched veneer configuration known as pleasing match.

▶See *Pleasing Match—Veneer,* page 227

High-Pressure Laminate skins are not available for use in Canada.

Ceramic Skins



Ceramic skins height range:
- If 24" to 48"H, then 24" to 120"W
- If greater than 48" to 120"H, then 24" to 48"W

Width range is 24" to 120"W, depending on height rules above.

Ceramic skins can be mounted in top, bottom, and intermediate positions. There are no restrictions with the opposite side of the wall when using a ceramic skin.

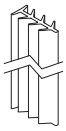
V.I.A. ceramic skins incorporate the e^3 environmental CeramicSteel surface.

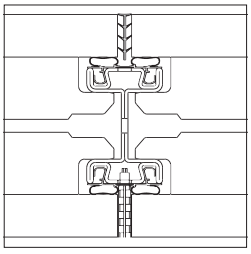
Ceramic skins do not accommodate electrical cutouts.

Healthcare Settings

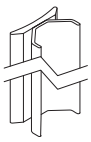
In applications that require flush vertical surfaces to support infection prevention and improved cleanability, supplemental trims can be specified at skins and base trim.

High-Pressure Laminate skins or painted steel skins are recommended for use in healthcare settings. Low-Pressure Laminates are not ideal for these high impact locations.

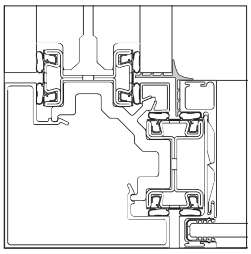




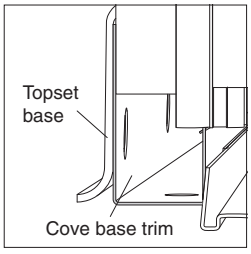
Flush skin seal



Flush skin seals are available in a translucent finish.



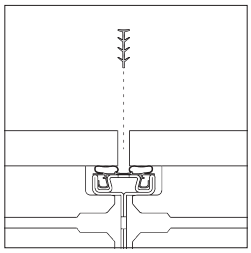
90° inside corner flush skin seal



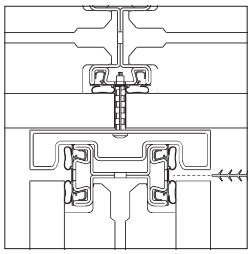
Cove base trim

In applications that require flush vertical surfaces to support infection prevention and improved cleanability, supplemental trims can be specified at skins and base trim.

Flush skin seals are inserted into the reveals between skins as part of the installation process. They are provided in 120" lengths, and cut to size by the installer. Two seals can be joined together for use when ceiling heights exceed 122".



Where vertical reveals run from top to bottom of wall, vertical seals are intended to be continuous, while the seals at the horizontal reveals are installed between the vertical seals.

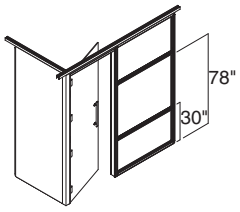


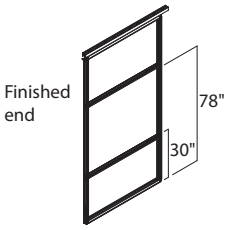
Flush skin seals are positioned at inside corner reveals with 90˚, 120˚, and 135˚ junctions. They cannot be used at T adapters or variable angle junctions.

Flush skin seals are pressure fit, and can be easily removed for access to wall cavity.

Flush skin seals are intended for use with paint, laminate, and ceramic skins. They are also inserted between skins and junction covers, or mini-ends and door frames. If desired, flush seals can also be used at fabric skins and captured glass frames.

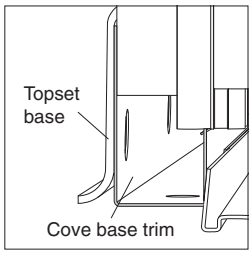
When used with hang-on components, flush skin seals will be field notched to allow clearance for mounting brackets.





When flush seals are installed in skins adjacent to reversible door frames or finished ends, at least one intermediate horizontal should be positioned in the wall between 30" and 78" (on lock side of door frame).

Additional base trim components can be specified for use with surface applied cove base. These additional V.I.A. base components are not the finished base material, but serve as surface to receive the adhesive for installation of the topset base material, as manufactured by commercial wall base suppliers. The same base trim components can also be used with applied cove flooring applications.



Cove base trims are provided in straight lengths, and cut to size by the installer.
Tip: When using surface applied base, skins are not removed and accessed as easily.

Tip: When using cove base, the bottom portion of the wall must be a solid skin.

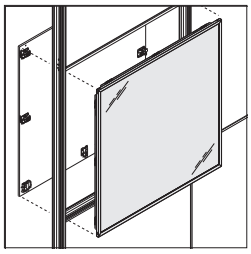
Tip: Topset base is glued to cove base trim. It is not glued to skin.

Seals are not to be used beside any variable angle outside covers or other fixed angle outer covers (120° and 135°). Clips are not required for the 180° outside cover.

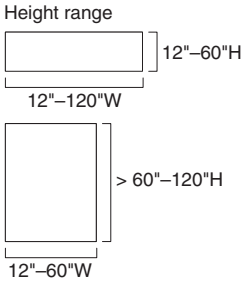
When vertical flush skin seals are present on 90° outer corners, add junction retention clips to prevent outer junction covers from coming loose.

Three junction retention clips should be used for ceiling heights of 120" or less, and four clips for ceiling heights greater than 120". Seals are not reusable.

Back-Painted Glass Frames



Back-painted glass frames are fully opaque, and allow the user to apply them like solid skins rather than glass.



Back-painted glass height range:
- If 12" to 60"H, then 12" to 120"W.
- If greater than 60" to 120"H, then 12" to 60"W.

Width range is 12" to 120"W, depending on height rules above.

Minimum skin size is 12"W x 12"H.

Back-painted glass is referred to as side D in all documentation.

Back-painted glass frames are configured to allow placement of solid skins on the opposite face of the wall.

Back-painted glass frames can mount in top, bottom, and intermediate positions.

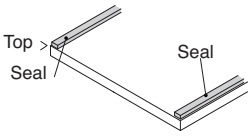
Restrictions:
- Must have a skin, other than glass on opposite side of wall.
- Can be back-to-back with slatwall, if both skins are the same size.
- Cannot be back-to-back with monitor skins.
- Back-painted glass frames cannot span posts or horizontals.
- Cannot route power harnesses or infeeds vertically or horizontally behind double back-painted glass frames.

Acoustic Performance
The STC performance can be improved by adding insulation to the wall cavity between the skins, and by adding supplemental acoustic seals to the skins along the top and bottom structural horizontal.

▶See *Acoustic Planning Considerations,* page 110

Insulation is provided in rolls that are 48"W x 174 feet long x 1" thick.

▶See *Acoustic Planning Considerations,* page 96



Skin acoustic seals are shipped in 120" lengths and cut to size during the installation process.

Wiring & Cabling

Solid skins can be specified with electrical cut-outs to accommodate modular power, communications, and hardwire devices.

Electrical cut-outs can also be cut on site during installation.

ADA and desk height are the most common placements for power and communication. However, cut-out locations are not pre-designated, and can be positioned along the face of the skin as required.

Receptacles in walls can be specified in any combination of ADA, desk height, or other positions.

Hardwired switches and other electrical devices can also be located in the wall.

Electrical devices can be specified on either side or both sides of the wall. Components cannot be positioned back-to-back.

Surface Materials

Steel skins
- Fabric
- Paint

Tip: Metallic paint size restrictions = 36"W maximum width and 24 square feet.

Veneer skins
- Wood
- Customiz stain

Ceramic skins
- e^3 environmental CeramicSteel

Laminate skins
- High-Pressure Laminate
- Low-Pressure Laminate
- Open Line laminate

▶**Skins,** continued

Open Line Laminate (OLL)

This service allows you to order non-standard laminate at an additional processing fee, plus the cost of the laminate. When processing orders for Open Line laminate on V.I.A. skins, specify 2900 in the laminate finish field and enter the OLL manufacturer information. Enter the required edge finish as you would a standard laminate.

High-Pressure Laminate pricing does not include premium or digitally printed patterns from any suppliers. Laminate cost may also vary for basic or standard laminates from other suppliers. Please contact the OLL consultant at 616.475.2426 for pricing. The cost of the laminate will be added to your invoice as a separate line on the acknowledgement.

Laminate Approval and Material Requirements
To confirm whether a particular laminate has already been tested for use on a specific Steelcase product or to determine material square foot requirements visit www.steelcase.com or srh.steelcase.com.

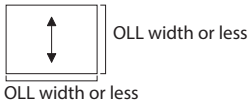
For additional information, refer to the *Steelcase Surface Materials Reference Manual*.

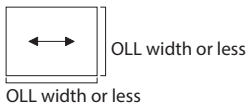
OLLs are available for High-Pressure Laminate surfaces only.

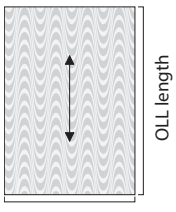
If directional, the specifier must designate the application direction as part of the material setup process within SmartTools:
- No direction – material has no direction
- Vertical – material has direction and will be oriented vertically on the skin
- Horizontal – material has direction and will be oriented horizontally on the skin

Steelcase will confirm if the laminate is directional as part of the OLL approval process.

Planner must identify the maximum OLL sheet size as defined by the manufacturer, which will limit the maximum skin sizes that will receive these laminates.







When both skin dimensions are less than the OLL sheet size width, the laminate direction can be specified as either horizontal or vertical. When one dimension is greater than the OLL sheet size width, the pattern will be oriented along the longer dimension.

Application Topics

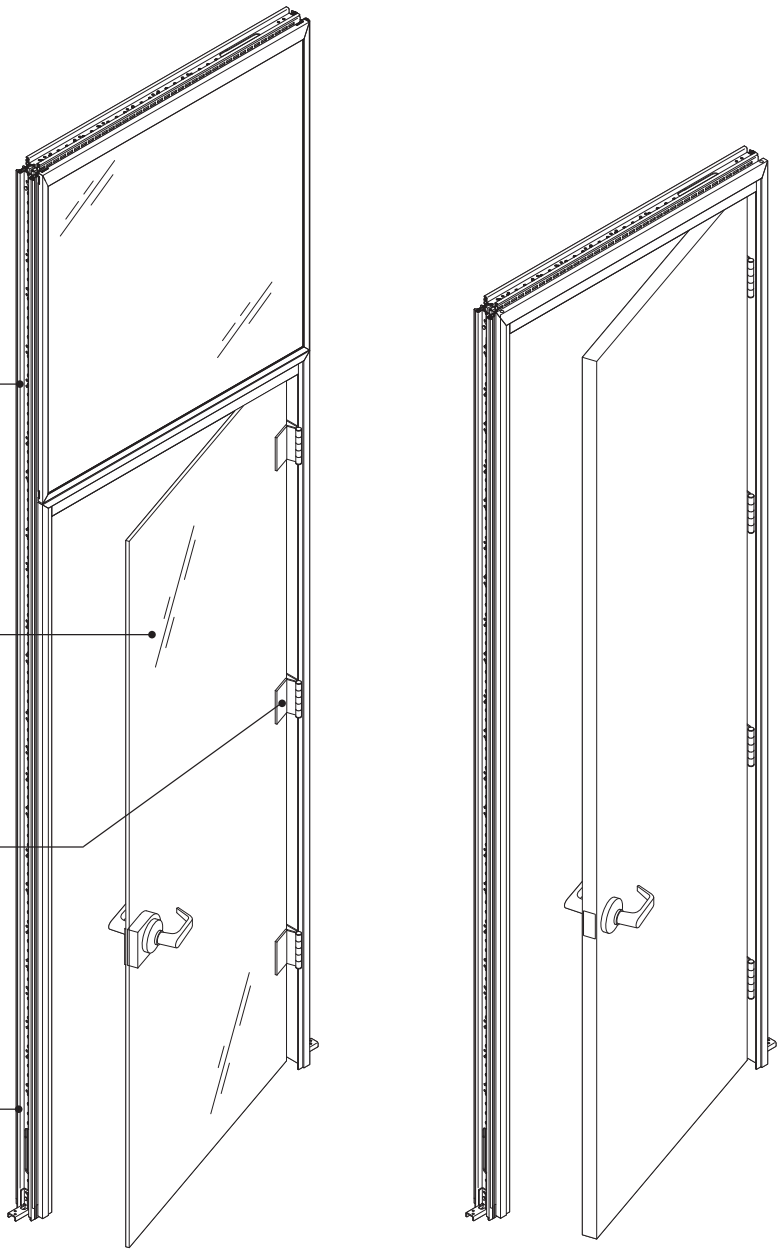
V.I.A. Planning Dimensions
▶See page 103

Electrical Components
▶See page 78

Hang-On Components
▶See page 94

Reversible Swing Doors

V.I.A. reversible swing door units offer superior acoustic control at door openings, and are available with options to accommodate specific functional requirements.
▶Specifying, page 153



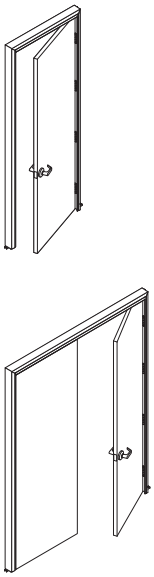
Doors and frames are available for either full height or transom height applications.

Door leaves accommodate latch sets or door pulls and are available in solid or polished edge glass.

Door frame and door are factory prepared for reversible hinges. Hinges are included as part of the door frame assembly.

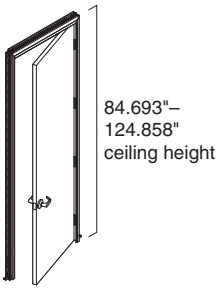
Structural framing elements are ordered separately.

Product Details

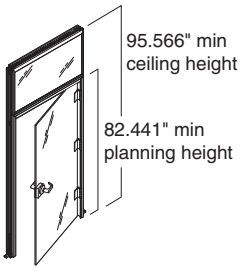


Single and pair versions of doors and door frames are available.

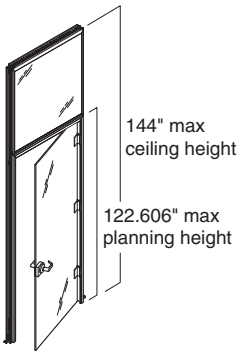
▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.



Full height



Transom height minimum



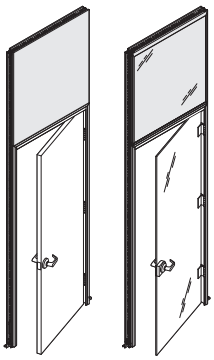
Transom height maximum

Door frames are available in full height and transom height configurations, and are parametric.
Height range:

- Full height = 84.693" to 124.858" ceiling height.
- Transom height range = 82.441" min to 122.606" max planning height.

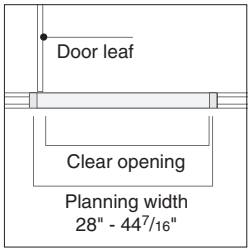
Tip: Use transom height door units when ceiling height exceeds 124".

Tip: The minimum designated heights will deliver a clear opening height of 80", which is a minimum requirement by code in most areas.



Transom height door frames can be combined with glass frames or solid skins.

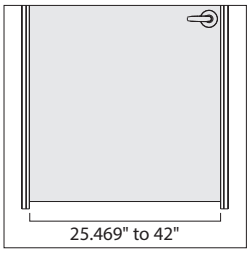
Door swing orientation can be altered during the installation process.
Tip: Some door frame components are handed during the factory assembly process to simplify packaging and handling. These can be changed during the installation process. Door frame handing is specified when ordered to align with initial installation.



Single door frame width is parametric, and can vary from 28" to $44\frac{7}{16}$" planning width. Planning width is measured as centerline of post to centerline of post. Steelcase recommends using a 40" wide door frame to maximize accessibility, maintain visual continuity, and simplify the planning process during reconfigurations. Clear opening dimension equals planning width minus $5\frac{5}{8}$".

Polished edge doors are ½" thick.

Solid doors are $1\frac{3}{4}$" thick.

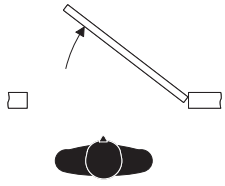


The single door leaf width is also parametric, and can vary from 25.469" to 42".

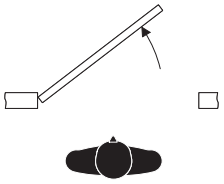
Single solid door width = planning width minus 2.445".

Single polished glass door width = planning width minus 2.531".

Tip: The minimum door width is not ADA compliant, but may be desired for storage or closet applications.



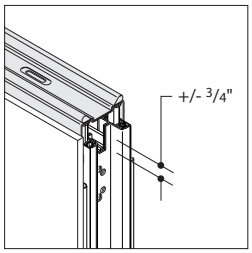
Right-hand



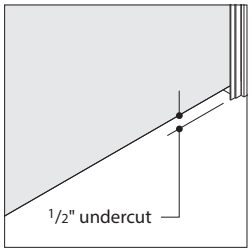
Left-hand

To determine door swing orientation: facing the door, so that the door swings away from you, the side that the hinges are on defines the handing of the door.

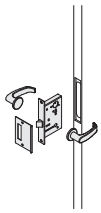
Hardware locations for polished edge doors are parametric, and can be changed through the Alternate Pull Manager in SmartTools as part of the design/planning process.
▶See *SmartTools*, page 4



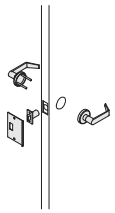
Ceiling track allows $1\frac{1}{2}$" of vertical adjustment (plus/minus ¾"), to accommodate ceiling variation.



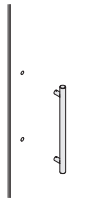
The door frame assembly is designed to allow for $1\frac{1}{2}$" of adjustment at the floor (plus/minus ¾"), while maintaining a consistent ½" undercut between the bottom of the door and the floor. This adjustment comes from the slip fit assembly at the top of the door frame.



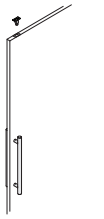
Mortise



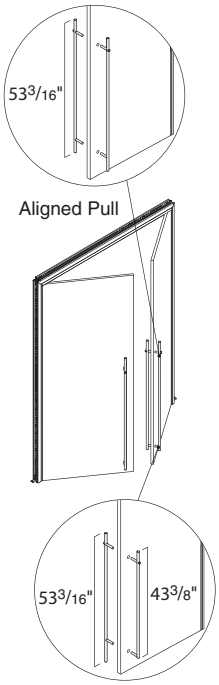
Cylindrical



Door Pull (with closer)



Door Pull (with roller latch)



Doors and frames can be provided with mortise or cylindrical latch sets (either passage or locking) or door pull.
Tip: When using mortise latch sets, once a wood door or a glass door lock housing has been face drilled, it will not be reversible.

Latch sets can be either mortise or cylindrical types.
Tip: Doors that are specified with hardware prep for mortise locks will not have faces drilled for levers or cylinders, etc. All necessary holes in the face of the door must be drilled by the installer.

Mortise:

- Random key with standard cylinder
- No cylinder (to allow customer to provide cylinders to specific keying requirements)

Cylindrical:

- Random key with standard core
- No core (to allow customer to provide cores to specific keying requirements)

▶**Reversible Swing Doors,** continued

For customers who require specific keying configurations and/or master key coordination, it is recommended to order V.I.A. locks without cylinders or cores. This will allow the customer to manage their keying requirements locally by securing cylinders or cores through their preferred security hardware provider.

The cylindrical lockset for reversible doors can be specified in one of two ways:

1. With a random keyed, standard core (non-removable)
2. Without a core, configured for a small format interchangeable core (SFIC)

V.I.A. cylindrical locksets are compatible with six or seven pin cores (SFIC) as manufactured for Sargent, Best, or Schlage.

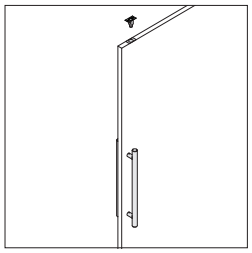
The mortise lockset for reversible doors can be specified in one of two ways:

1. With a random keyed lock cylinder
2. Without a cylinder

When ordering cylinders from other suppliers for use with the V.I.A. mortise locks, cylinders must be specified with a cam configuration that is compatible with a Sargent 8200 series lockset.

Locking ladder pulls are equipped with a random keyed, small format interchangeable core. For customers with specific keying requirements, the core can be removed and replaced with customer's locally secured cores.

Locking ladder pulls can accommodate SFIC cores (6 pin) as manufactured by Sargent, Schlage, Best, Medeco, Arrow, Yale, and Falcon.

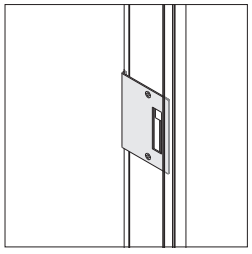


When specifying a door with push/pull handle or ladder pull, either a roller latch or closer must be selected.

Using the following types of hardware will limit the reversible nature of the door opening, as the required hardware preparation will hand the door and/or frame:

- Mortise lock*
- Roller latch
- Closer

*A mortise lock will hand a solid door and the lock body for a polished glass door. The polished glass door leaf itself will not be handed.



When specifying single door frames for use with mortise locks, the strike plate can be specified in either of two configurations. Strike plate type 1 is compatible with the standard V.I.A. lock, as well as Sargent, Corbin, Russwin, and Yale locks. Strike plate type 2 is compatible with mortise locks manufactured by Schlage and Lawrence. *Tip: If using mortise locks by other manufacturers, check with the specials team for strike plate compatibility.*

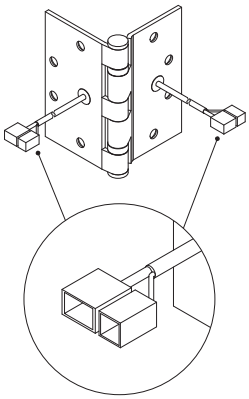
Tip: Doors that are specified with hardware prep for mortise locks will not have faces drilled for levers, cylinders, etc. All necessary holes in the face of the door must be drilled by the installer.

Tip: Reversible door frames are not compatible with deadbolt locks.

Tip: Strike plates for latch sets and roller latches are part of the door frame assembly.

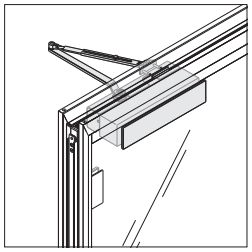
Hinges ship as part of the door frame. Doors that are 90"H or less will be equipped with three hinges. Doors that are greater than 90"H will be equipped with four.

When an electric hinge is required at a door opening, one less hinge will be provided with the door frame.

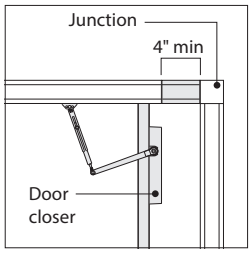


Electric hinge is equipped with 8-pin and 4-pin modular Molex connectors for connection to electric lock.

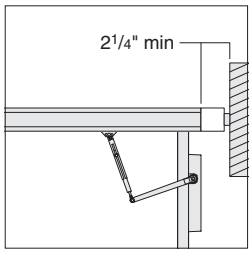
The electric hinge includes a 48" lead for connection to electric lock, and a separate 132" long lead for connection to building source.



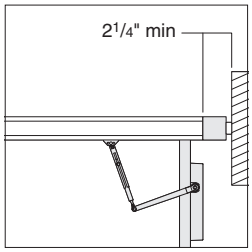
Door closers are available for use on solid and glass doors when the door must close automatically for safety and security reasons.



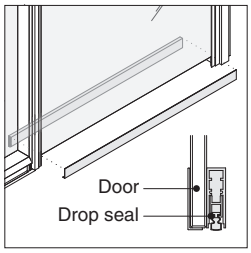
When mounting a closer on a door, and positioning the door at an inside corner, the door frame must be spaced at least 4" away from the adjacent surface.



When mounting a closer on a door and positioning the door at a mini-end, the door frame must be spaced at least 2¼" away from the adjacent surface.



When mounting a closer on a door and positioning the door at a mini-end, the door frame must be spaced at least 2¼" away from the adjacent surface.



To enhance acoustical performance, an optional drop seal can be specified in the bottom of the door. The drop seal automatically deploys to block the gap under the door when the door is closed and retracts when the door is open. *Tip: Drop seals in a pair of doors application utilize a different style number than single doors.*

Tip: Polished glass doors with drop seals are compliant with ADA and California Title 24 guidelines.

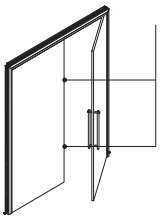
Tip: Dome stops and base stops are not recommended when using polished glass doors with drop seals.

Veneer doors use a pleasing match veneer layup technique, similar to veneer skins.

▶See *Pleasing Match—Veneer,* page 227

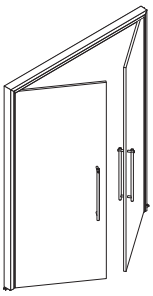
Reversible pairs of doors can be specified for spaces that require wider door openings for egress, or to provide greater access for storage.

Two Active



Active/Inactive

Pairs of doors can be configured as two active doors or as one active with one inactive door (active/inactive).

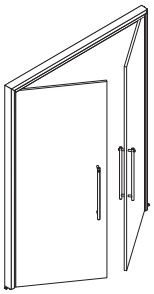


Two Active

Two active doors can be specified for door openings that require frequent use and higher volume of traffic. Active/inactive pairs can be specified for door openings that occasionally require a wider clearance dimension for larger furnishings or equipment. The inactive door is fixed in place by flush bolts and unlatched as needed. While the inactive door is latched in place, the active door will function as a typical single door.

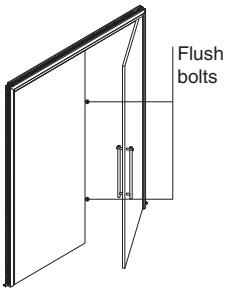
Door and door frame appearance for pairs of doors match the single reversible door assemblies. Inactive doors and frames for inactive doors are not reversible.

Both doors in a pair must be the same material.



Two Active

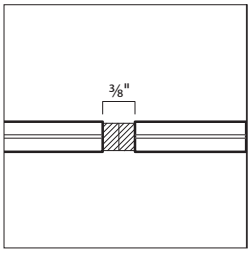
When configured as two active doors: Both doors are the same size. Doors can be equipped with either a push/pull handle or a ladder pull. Doors can be equipped with an optional drop seal. Doors can be equipped with an optional vertical seal between doors. Doors must be equipped with either closers or roller latches to retain doors in the closed position. The only available locking hardware option is locking ladder pulls. Mortise and cylindrical latchsets are not available on two active door configurations. Polished edge doors are available only as two active pairs.



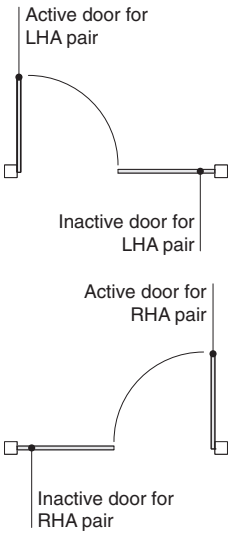
Active/Inactive

When configured as one active and one inactive: Only solid doors are available only as active/inactive. The active door can be a different width than the inactive door. The inactive door leaf is equipped with flush bolts to fix the door in place. The active door can be equipped with either a mortise latch set or ladder pull (locking or non-locking). There is no push/pull or latch handle on the inactive door. Doors include an astragal and seal to be mounted on the inactive leaf. Solid doors can be configured for an electric strike in the inactive leaf or an electric lock in the active leaf. Integral drop seals are not available. Surface mounted drop seals can be provided locally.
Tip: When electric strike is specified, the inactive door leaf is prepared for an HES 1006 electric strike.

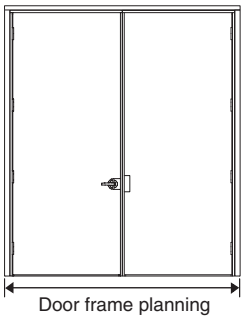
Tip: When configured as one active and one inactive, doors are not reversible.



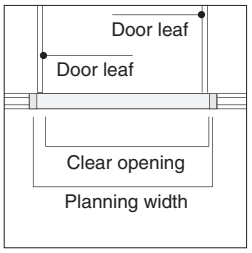
Pairs of polished glass doors include seals.



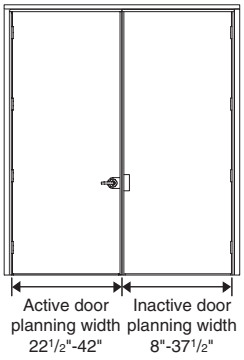
The handing of an active/inactive pair of doors is determined by the door swing orientation of the active door.
Tip: Active/active pairs are not handed.



Door frame width is parametric, and can vary from 48" to 80" planning width. Planning width is measured as centerline of post to centerline of post. Steelcase recommends using a 80" wide door frame to maximize accessibility, maintain visual continuity, and simplify the planning process during reconfigurations.

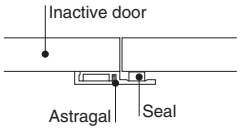


Clear opening dimension equals planning width minus 9".



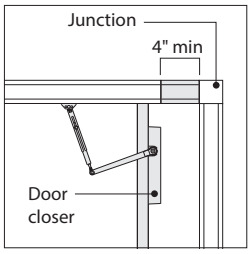
The door leaf widths are also parametric, and can vary in width depending on active versus inactive configurations.

An active door width can vary from 22½" to 42" planning width. When both doors are active, the maximum planning width is 40". An inactive door width can vary from 8" to 37½".

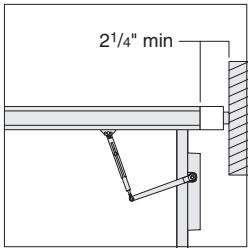


Active/inactive pairs of doors include an astragal with seal. The astragal is finished to match the door frame.

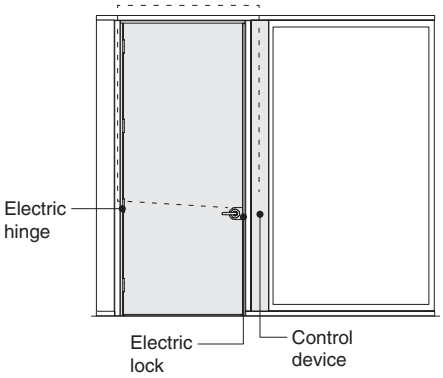
▶**Reversible Swing Doors,** continued

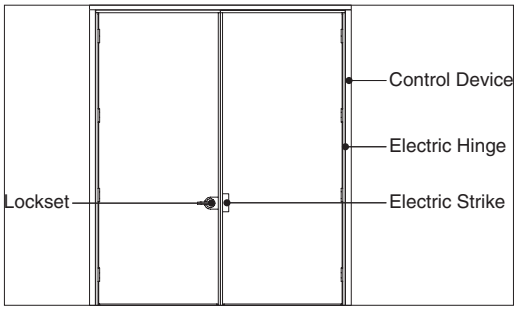


When mounting a closer on a door, and positioning the door at an inside corner, the door frame must be spaced at least 4" away from the adjacent surface.



When mounting a closer on a door and positioning the door at a mini-end, the door frame must be spaced at least 2¼" away from the adjacent surface.



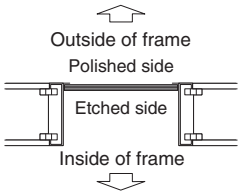


When door openings require an electronic security feature, solid doors can be equipped with an electric hinge. The electric hinge includes wire conductors that link an electric lock to the control device (card reader or keypad). When specified, the solid door is constructed with an internal wireway to manage the wires from the hinge to the electric lock or electric strike. Wires are routed from the hinge to the control device through the vertical door jamb as part of the installation process. The wire conductors are 28 gauge and are suitable for low voltage current only (24 volt maximum). The lengths of the wires is 48" long (through the door) and 120" long (through the door jamb). The electric lock and the control device are not provided by Steelcase.

Door openings that require electronic security are typically equipped with closers in order to help maintain a secure opening. When mounting a closer on a door and positioning the door at an inside corner or mini end, the door frame must be spaced at least 4" away from the adjacent surface.

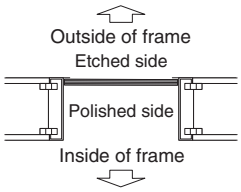
Utility panels can be positioned adjacent to door frames to act as a mounting point for the control device. Electric hinges cannot be used with polished glass doors.

Door stops can be ordered for use with doors. *Tip: Dome stops and base stops are not recommended when using polished glass doors with drop seals.*



Door in closed position

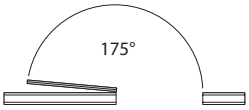
Polished to Outside



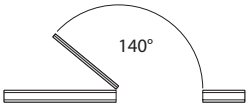
Door in closed position

Polished to Inside

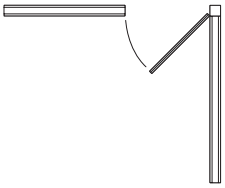
When specifying doors with etched glass, the etched surface can be oriented to either side of the wall, regardless of handing or on which side of the wall the door is mounted.



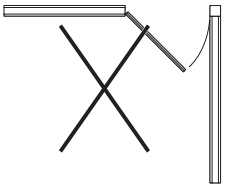
A reversible door can swing open to a maximum of 175°.



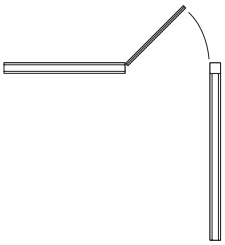
When equipped with a closer, a reversible door can swing open to a maximum of 140°.



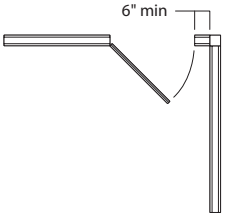
Hinge jamb at
two-way 90° junction
Acceptable



Strike jamb at two-way
90° junction
Swing to inside of junction
Not Acceptable



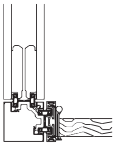
Strike jamb at two-way
90° junction
Swing to outside of junction
Acceptable

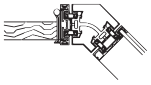


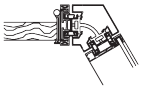
Strike jamb at two-way
90° junction
Minimum 6" from junction
Acceptable

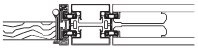
When positioning a door frame with the strike jamb at a two-way 90° junction, the door placement and relative door swing must follow the above guidelines.

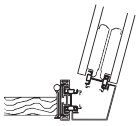
Connections

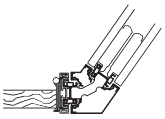

Two-Way 90°

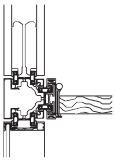

Two-Way 135°

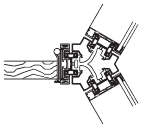

Two-Way 120°

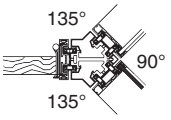

Two-Way 180°


Two-Way variable 91° - 94°

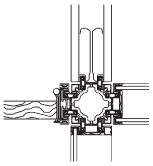

Two-Way variable 95° and greater

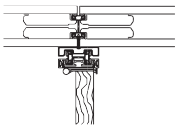

Three-Way 90°

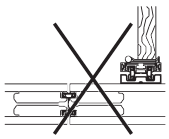

Three-Way 120°

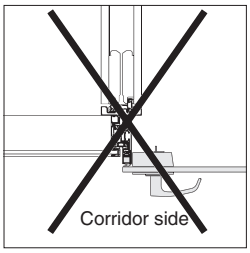


Three-Way 135°


Four-Way


Adapter T on module


Adapter T off module



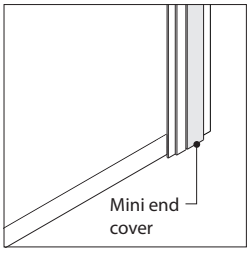
Door frames cannot be oriented at a T adapter as shown.

Junctions join a door frame to a V.I.A. wall in an L-, T-, X-, V-, or Y-configuration.

Adapters (on module) connect a door frame to a V.I.A. wall in a T- or X-configuration.

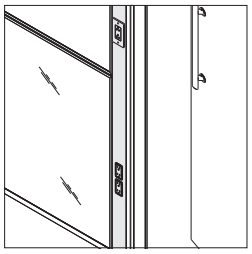
Door frames cannot be positioned adjacent to an off-module adapter.

Mini ends connect a door frame to perpendicular building wall.
▶See page 198

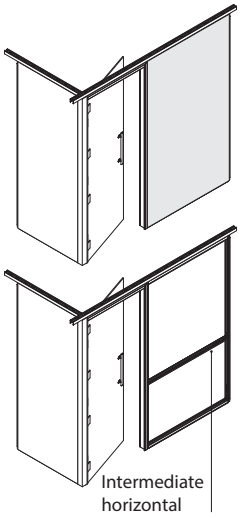


When positioned next to a door frame, the mini end cover will be specified with the to floor option and will be field cut by the installer to final length.
Tip: When door frames are placed adjacent to mini ends, additional mini end connection hardware is specified.

Plinths can be ordered at the bottom of the door jamb when repositioning door frames during wall reconfigurations.



Utility panels can be positioned next to a door frame to accommodate lighting control devices, thermostats, and other technology devices.
▶See page 81



When a solid, portrait oriented skin is positioned directly adjacent to the latch side of a single door frame, an intermediate horizontal must be installed behind the skin for added stability. This is not required when there is a junction, utility panel, or glass frame directly adjacent to the door frame.

Surface Materials

Door frame
- 8043 Clear Anodized Aluminum
- Paint

Solid door leaf
- Paint
- Wood veneer

Polished glass door
- Glass

Latch set
- 9200 Satin Chrome
- 9201 Polished Chrome

Hinges
- 4710 Low Gloss Black
- 8031 Brushed Stainless
- 9201 Polished Chrome

Door pull (Push/pull handle)
- 4710 Low Gloss Black
- 8031 Satin Stainless

Door closer
- 4710 Low Gloss Black
- 4799 Platinum

Roller latch
- 8031 Brushed Stainless

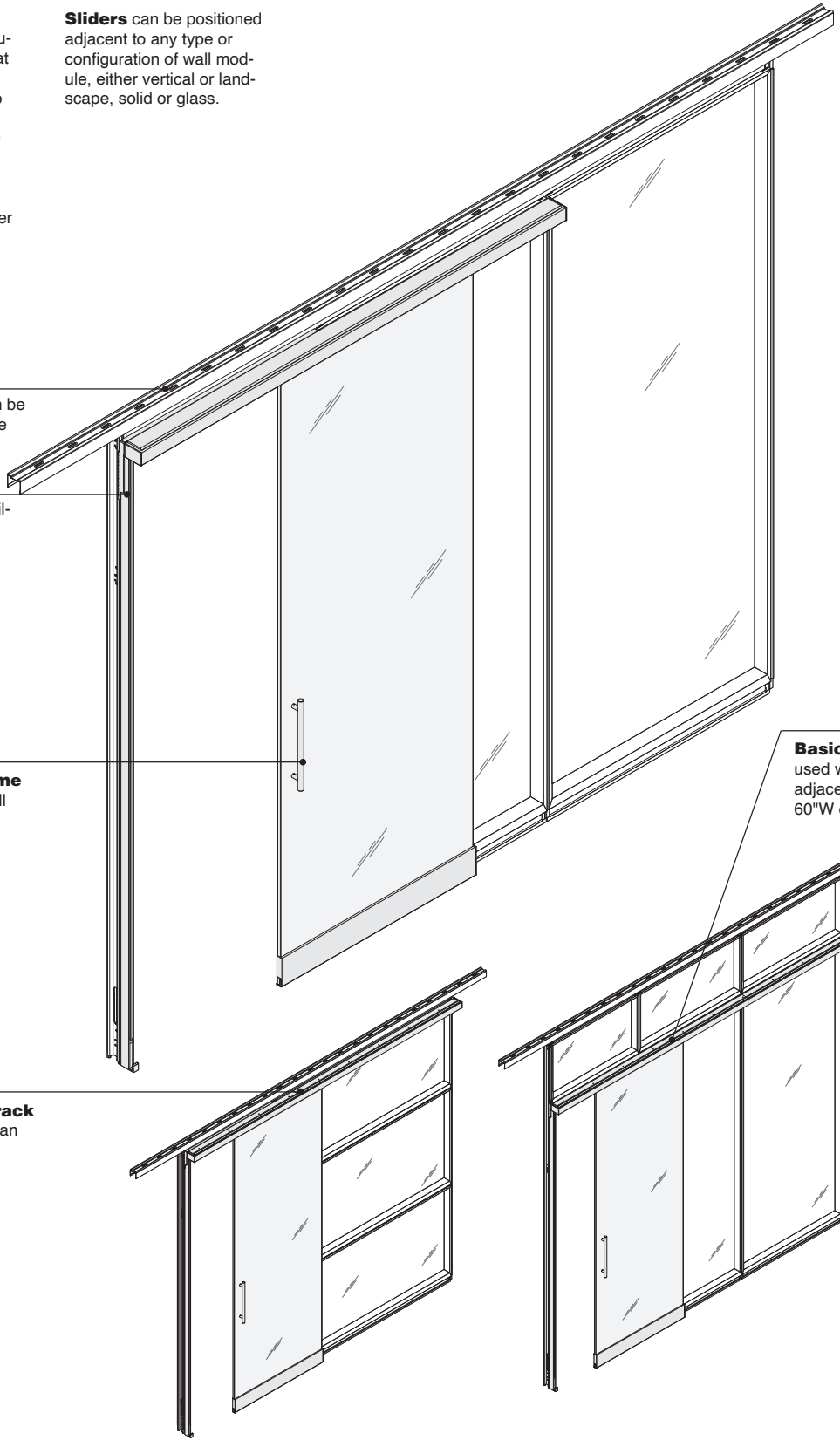
Tip: Finishes for door hardware can vary slightly from one component to another depending on base metal materiality and finishing processes. When hardware is specified for common assemblies, all hardware components may not match exactly, but are designed to be compatible within a common door opening.

Slider Doors

V.I.A. slider door assemblies offer security and space savings at door openings, and are available with options to accommodate specific functional and aesthetic requirements.

V.I.A. slider doors include door frame, slider track, slider door, and hardware.
▶Specifying, page 171

Sliders can be positioned adjacent to any type or configuration of wall module, either vertical or landscape, solid or glass.



Doors and track can be positioned on either face of the wall.

Door frames are available in either full or transom heights.

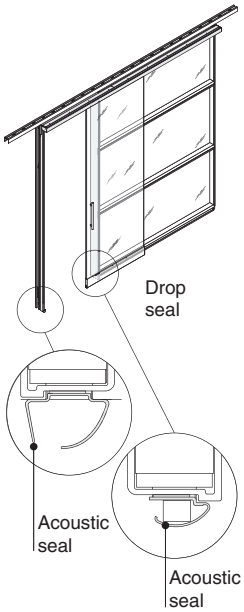
Slider door and frame can accommodate a pull or lockset.

Basic slider track is used when spanning an adjacent module that is 60"W or less.

Reinforced slider track is used when spanning an adjacent module that is greater than 60"W.

Product Details

▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.



Slider doors are available with static and drop seals to make doorways as acoustically effective as possible.

Door frame seals are platinum in color. Drop seals are housed within the door bottom trim and are not visible.

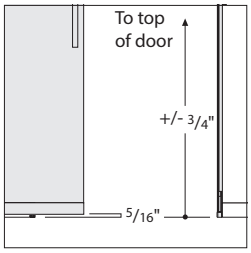
Frames are available in full height and transom height configurations, and are parametric.

Heights range:
- Full height = 83.188" minimum to 122" maximum ceiling height.
- Transom height range = 80.984" minimum to 120" maximum planning height.

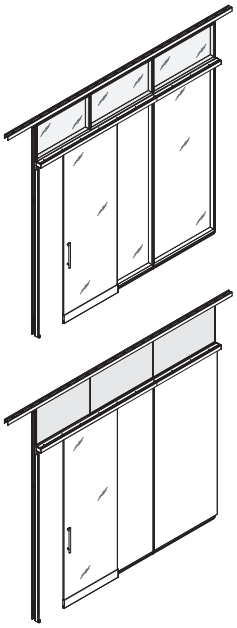
Tip: Must use transom height door units when ceiling height exceeds 122".

Tip: The minimum designated heights will deliver a clear opening height of 80", which is a minimum requirement by code in most areas.

Ceiling track allows 1½" of vertical adjustment (plus/minus ¾"), to accommodate ceiling variation.

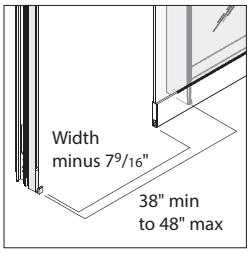


The door frame assembly is designed to allow for 1½" of adjustment at the floor (plus/minus ¾"), while maintaining a consistent 5/16" undercut between the bottom of the door and the floor.



Transom height door frames can be combined with glass frames or solid skins.

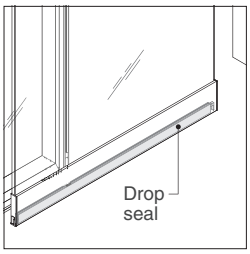
Doors can be oriented to either face of the wall to position the door on either the interior or exterior of a room.



Single door frame width is parametric, and can vary from 38" to 48" planning width. Steelcase recommends using a 40" wide door frame to maximize accessibility, maintain visual continuity, and simplify the planning process during reconfigurations. Clear opening width equals the planning width minus 7 9/16". *Tip: Door frames that are less than 39 7/16" planning width will not meet ADA guidelines for minimum clear opening (32").*

The maximum door frame planning width will vary according to door height.

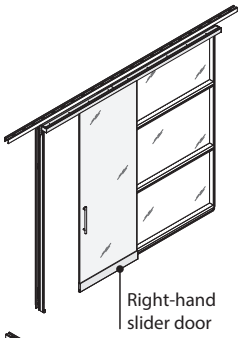
▶See page 59

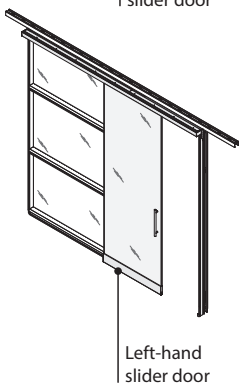


To enhance acoustical performance, an optional drop seal can be specified in the bottom of the door. The drop seal automatically deploys to block the gap under the door when the door is closed, and retracts when the door is open.

Hardware locations for polished edge doors are parametric, and can be changed through the Alternate Pull Manager in SmartTools as part of the design/planning process.

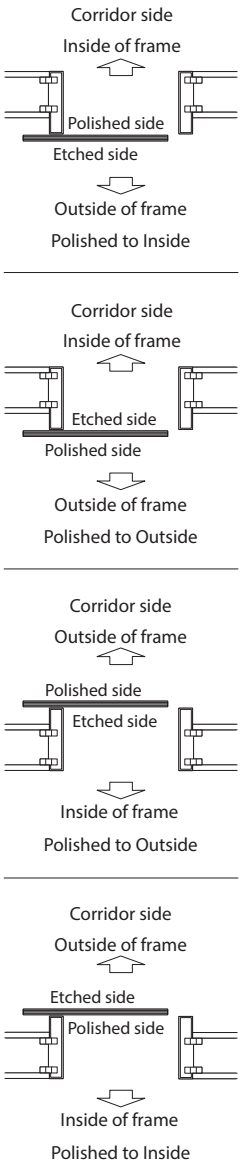
▶See *SmartTools*, page 4





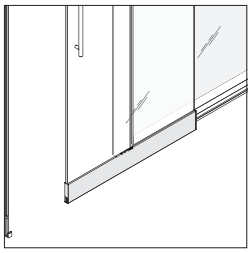
Door handing is determined by the direction in which the door travels when opening, as viewed from the face of the wall on which the door is mounted.

Certain etched or pattern glass types are polished on one face, and rough (etched or pattern) on the other. When defining the surface orientation of a glass frame, it is also important to consider the surface orientation of these types of glass. When planning with etched glass, the polished face of the glass is most often oriented to the corridor side of the wall to minimize the buildup of dirt on the etched face. Pattern glass is most often positioned with the patterned face oriented to the corridor, as the pattern face of the glass is considered the more attractive surface. Although these are the most common preferences for surface orientation, V.I.A. will allow for any relative position and orientation.



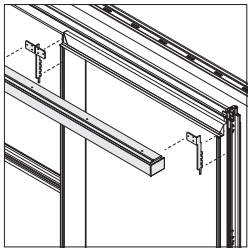
When specifying doors with etched glass, the etched surface can be oriented to either side of the wall, regardless of handing or on which side of the wall the door is mounted.

▶**Slider Doors,** continued



The polished edge door includes an adjustable aluminum bottom trim, which can be adjusted during installation to ensure a minimal and consistent clearance at the bottom of the door.

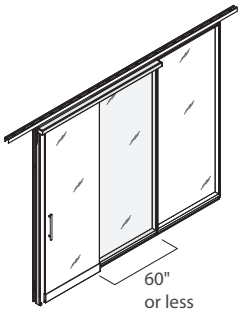
Slider track is parametric, and spans the door frame and the adjacent wall module(s).



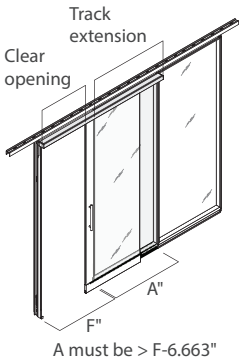
Slider track is mounted to structural posts using support brackets, which are specified in either a left, right, or T-configuration. The track is pre-drilled to fasten to the support brackets in the appropriate positions.

Slider track brackets are parametric in order to engage in post slots and set the slider track at the correct height.

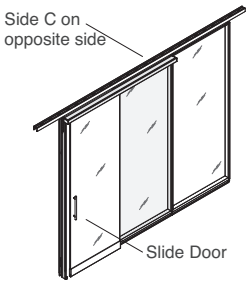
Slider track brackets are painted, and can be specified to match adjacent door frames, glass frames, and skins.



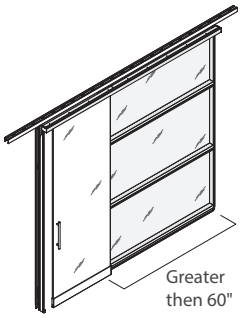
The basic slider track is used with vertically oriented wall modules, where planning widths do not exceed 60".



The modules adjacent to the single door frame on which the track is mounted must be at least as wide as the door frame minus 6.663" to allow for the door to travel the required distance to meet clear opening requirements.

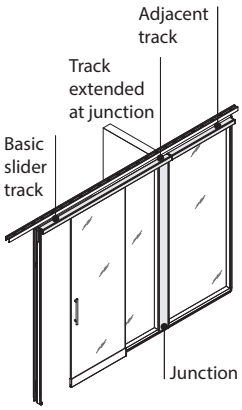


When planning with double glazed frames and slider doors, in order to simplify installation, it is recommended to position the side C frame on the opposite side of the wall from the door.



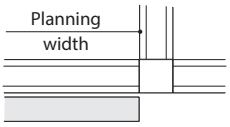
The reinforced slider track is used with landscape oriented wall modules, where planning widths are greater than 60".

▶See *V.I.A. Planning Dimensions*, page 103

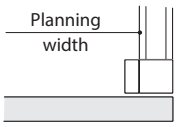


If visual continuity is desired along room exteriors, basic slider track width can be extended to span junctions, adapters, and mini ends. *Tip: When spanning a mini end, the track length allows for an additional 8", and is cut to the exact length by the installer.*

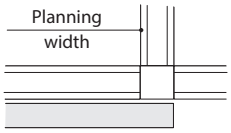
The posts at both ends of the slider track must extend to the ceiling track.



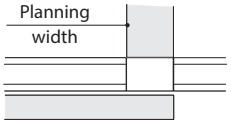
Actual



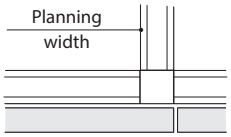
L Junction



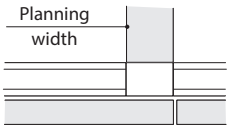
At Junction



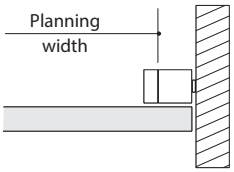
At Bypass



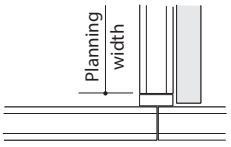
Support Junction
Two sections of track supported at one junction



Support Bypass
Two sections of track supported at one bypass

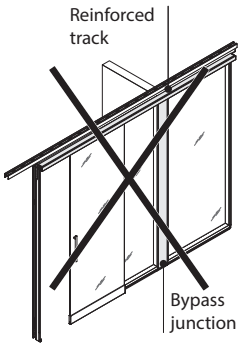


Cutable at Mini end

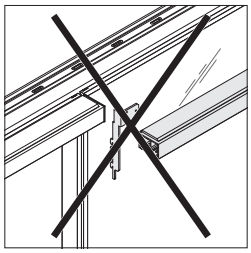


At Adapter

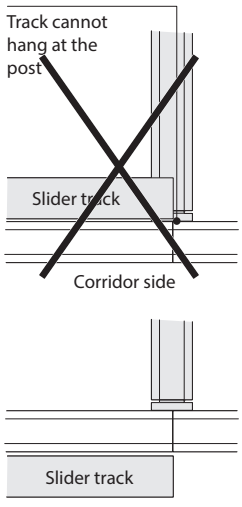
Slider track ends are cut to the correct length as dictated by the plan, with the appropriate hole position for track brackets.



Reinforced track cannot extend over junctions and mini ends.

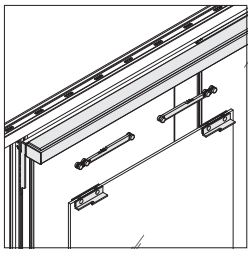


Reinforced track cannot butt to other sections of track.

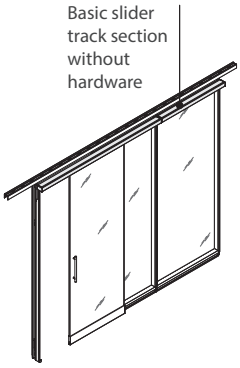


When planning with T-adapters, slider doors must be oriented to the corridor side of the wall.

The basic slider track can span multiple wall modules. A single section of track cannot exceed 144".



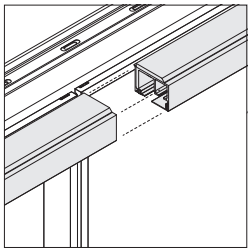
Basic slider track can be ordered with all required hardware, including carriers and soft-close braking mechanisms.



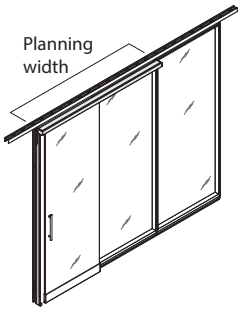
Sections of basic slider track can be specified without hardware and installed adjacent to other sections of track for visual continuity.

Adjacent sections of slider track must meet at a post.

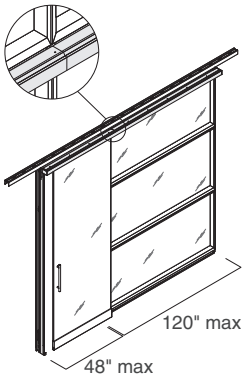
When the end of a basic slider track is not directly adjacent to another section of the track, the end is notched to receive an end cap.



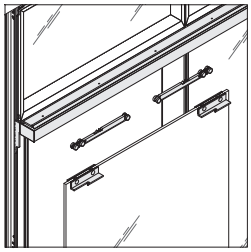
When the end of a basic slider track butts to another section of the track, the end is not notched.



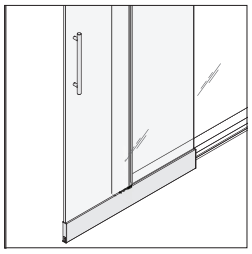
The slider track planning width is door frame width plus adjacent wall module(s).



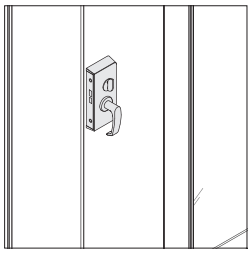
The reinforced slider track will be made up of two sections of track that will span a maximum door frame width of 48", and a maximum adjacent module of 120".



Reinforced slider track will always include the required hardware, including carriers and soft-close braking mechanisms.



Non-locking doors are equipped with a tubular pull.



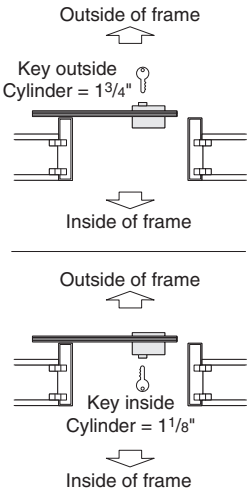
Lever locksets are available as an option on single doors, and are equipped with an ADA compliant single action lock feature, allowing for the door to be unlocked and opened in a single motion.

Locksets can be provided in one of two configurations:

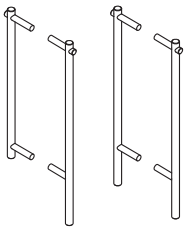
- Random key with standard cylinder
- No cylinder (to allow customer to provide cylinders to specific keying requirements)

Lever locksets are provided with a standard lever handle. Locksets can be provided without handles to allow for an easy substitution of another style of lever.

Slider locksets are compatible with levers as manufactured by Schlage, Dorma, and Lawrence.

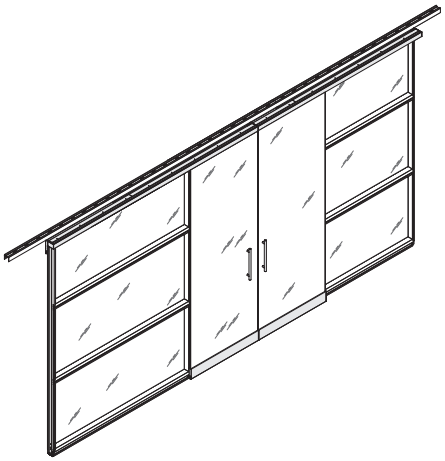


When ordering cylinders from other suppliers for use with the V.I.A. slider lever locksets, cylinders must be specified with a Schlage L cam configuration. When keyway and cylinder are oriented to the outside of the door frame, specify a 1 3/4" cylinder with a 7/16" trim ring. When keyway and cylinder are oriented to the inside of the door frame, specify a 1 1/8" cylinder with a 9/16" trim ring.

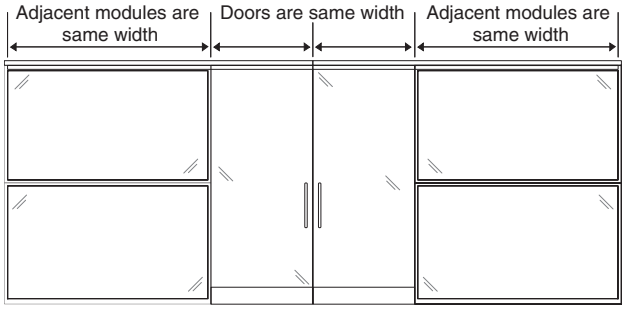


Locking ladder pulls are equipped with a random keyed, small format interchangeable core. For customers with specific keying requirements, the core can be removed and replaced with customer's locally secured cores.

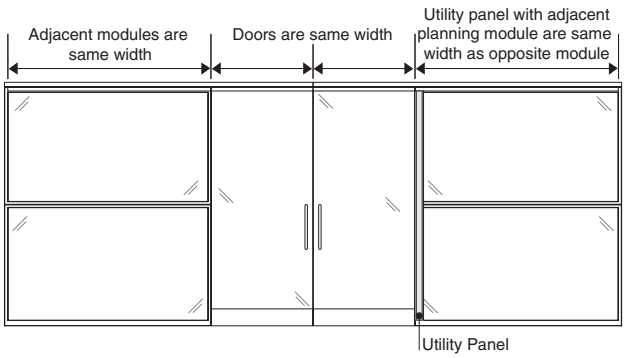
Locking ladder pulls can accommodate SFIC cores (6 pin) as manufactured by Sargent, Schlage, Best, Medeco, Arrow, Yale, and Falcon.



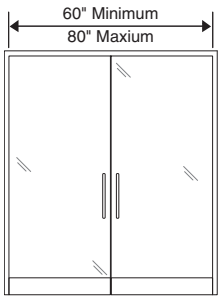
Biparting pairs of slider doors can be specified for spaces that require wider door openings for egress. Pairs of doors are available in full height and transom height configurations.



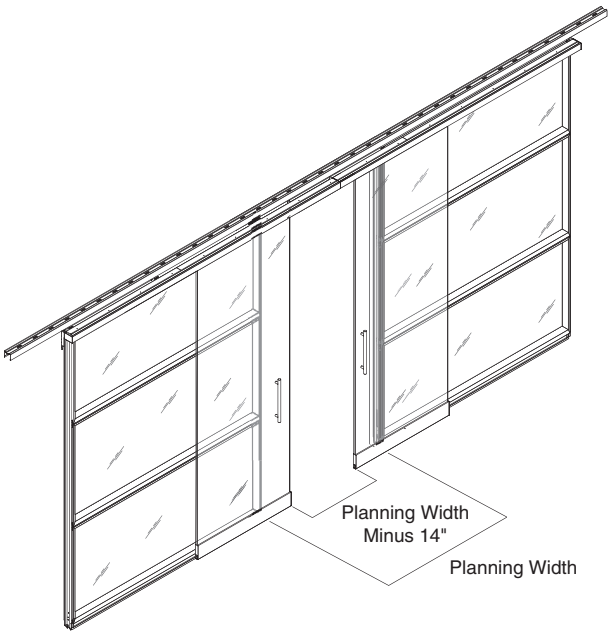
Biparting slider doors are symmetrical. Both doors are the same size, and both adjacent modules are the same size.



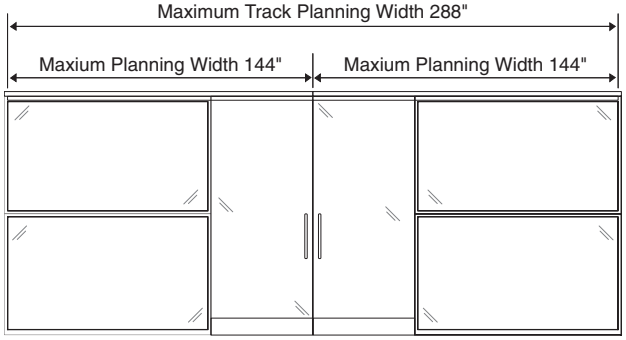
A utility panel can be positioned adjacent to a door frame for pair of doors. The combined width of the utility panel and its adjacent module must be the same as the opposite planning module.



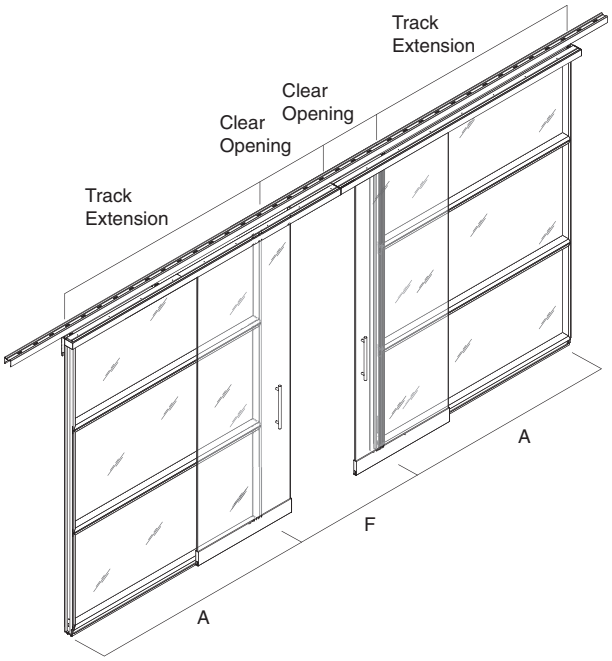
Door frame width is parametric, and can vary from 60" to 80" planning width. Planning width is measured as centerline of post to centerline of post.



The clear opening dimension is planning width minus 14".

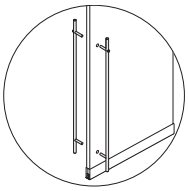


The maximum track length is 288", which is symmetrical to the center of the door frame. Both modules on either side of the door frame must be the same width.

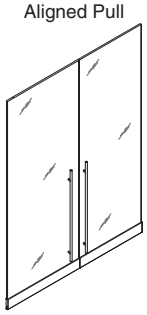


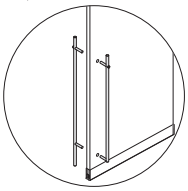
The modules adjacent to the door frame [A] on which the track is mounted must be a minimum width as calculated below:
Minimum [A] Dimension = Door frame planning width ([F] x ½) — 6.5.

The planning width for a pair of slider door track is the door frame width plus the adjacent modules. The track for a pair of doors is a reinforced track.
Minimum [A] Dimension = Door frame planning width ([F] x ½) — 6.5.



Aligned Pull



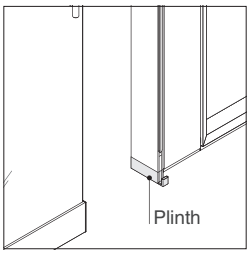


Offset Pull

Pairs of slider doors can be specified with push/pulls x 18", or ladder pulls (aligned or offset).

Pairs of slider doors cannot be equipped with drop seals.

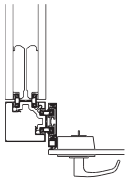
Pairs of slider doors are non-handed.

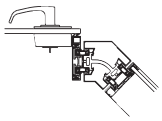


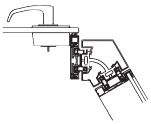
Plinths (ordered as a service part) can be used at the bottom of the door jamb to adapt to potential floor height changes when repositioning door frames during wall reconfigurations.

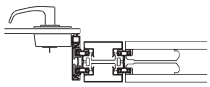
▶**Slider Doors,** continued

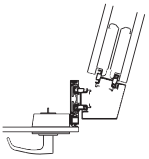
Connections

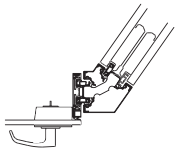

Two-Way 90°

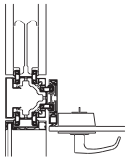

Two-Way 135°

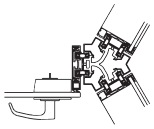

Two-Way 120°

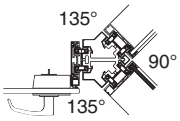

Two-Way 180°


Two-Way variable 91° - 94°

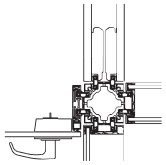

Two-Way variable 95° and greater

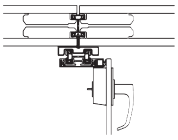

Three-Way 90°

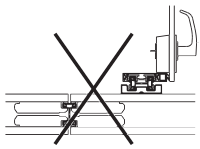

Three-Way 120°



Three-Way 135°


Four-Way


Adapter T on module

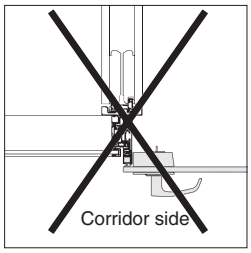

Adapter T off module

Junctions join a door frame to a V.I.A. wall in an L-, T-, X-, V-, or Y- configuration.

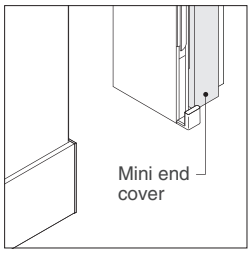
Adapters (on module) connect a door frame to a V.I.A. wall in a T- or X- configuration.
▶See adapters, page 70

Door frames cannot be positioned adjacent to an off-module adapter.

Mini ends connect a door frame to perpendicular building wall.
▶See page 74



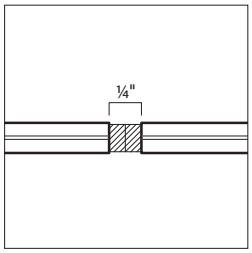
Door frames cannot be oriented at a T adapter as shown.



When positioned next to a door frame, the mini end cover will be specified to floor, and will be field cut by the installer to final length.

Utility panels can be positioned next to a door frame to accommodate lighting control devices, thermostats, and other technology devices.
▶See page 81

In most municipalities, slider doors are not considered code compliant for use in rooms where planned occupancy is greater than ten people.



Brush seals are provided for slider door pairs.

Surface Materials

Door frame
- 8043 Clear Anodized Aluminum
- Paint

Polished glass door
- Tempered glass

Polished glass bottom trim
- 8043 Clear Anodized Aluminum
- Paint

Slider track
- 8043 Clear Anodized Aluminum
- Paint

Lockset
- 9200 Satin Chrome

Door pull
- 8031 Brushed Stainless

Slider track bracket
- Paint

Tip: Finishes for door hardware can vary slightly from one component to another depending on base metal materiality and finishing processes. When hardware is specified for common assemblies, all hardware components may not match exactly, but are designed to be compatible within a common door opening.

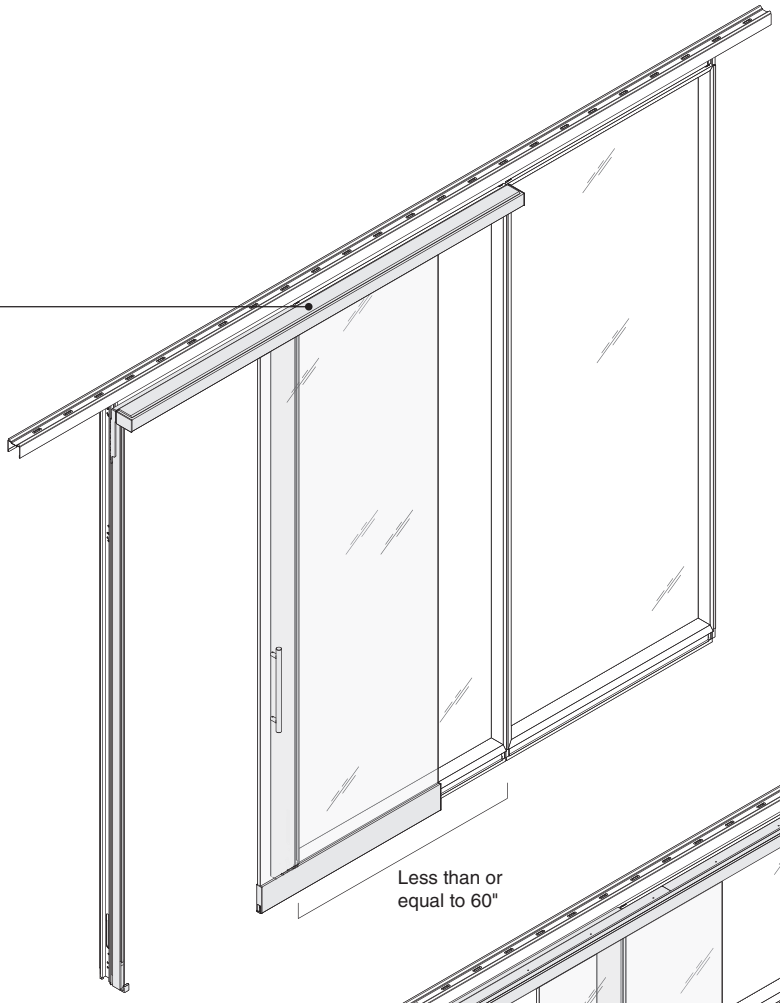
Maximum Door Planning Widths Based on Height

Ceiling Height	Full Height Slider		Transom Height Slider	
	• Planning Height	• Maximum Planning Width	• Planning Height	• Maximum Planning Width
122"	N.A.	N.A.	120"	40"
121"	119.875"	40"	119"	42"
120"	118.875"	42"	118"	42"
119"	117.875"	42"	117"	42"
118"	116.875"	42"	116"	42"
117"	115.875"	42"	115"	42"
116"	114.875"	42"	114"	42"
115"	113.875"	42"	113"	42"
114"	112.875"	42"	112"	43"
113"	111.875"	42"	111"	43"
112"	110.875"	43"	110"	43"
111"	109.875"	43"	109"	44"
110"	108.875"	44"	108"	44"
109"	107.875"	44"	107"	45"
108"	106.875"	46"	106"	45"
107"	105.875"	46"	105"	46"
106"	104.875"	46"	104"	46"
105"	103.875"	46"	103"	46"
104"	102.875"	46"	102"	47"
103"	101.875"	47"	101"	47"
102"	100.875"	47"	100"	48"
101"	99.875"	48"	99"	48"
100"	98.875"	48"	98"	48"
99"	97.875"	48"	97"	48"
98"	96.875"	48"	96"	48"
97"	95.875"	48"	95"	48"
96"	94.875"	48"	94"	48"
95"	93.875"	48"	93"	48"
94"	92.875"	48"	92"	48"
93"	91.875"	48"	91"	48"
92"	90.875"	48"	90"	48"
91"	89.875"	48"	89"	48"
90"	88.875"	48"	88"	48"
89"	87.875"	48"	87"	48"
88"	86.875"	48"	86"	48"
87"	85.875"	48"	85"	48"
86"	84.875"	48"	84"	48"
85"	83.875"	48"	83"	48"
84"	82.875"	48"	82"	48"
83"	81.875"	48"	N.A.	N.A.

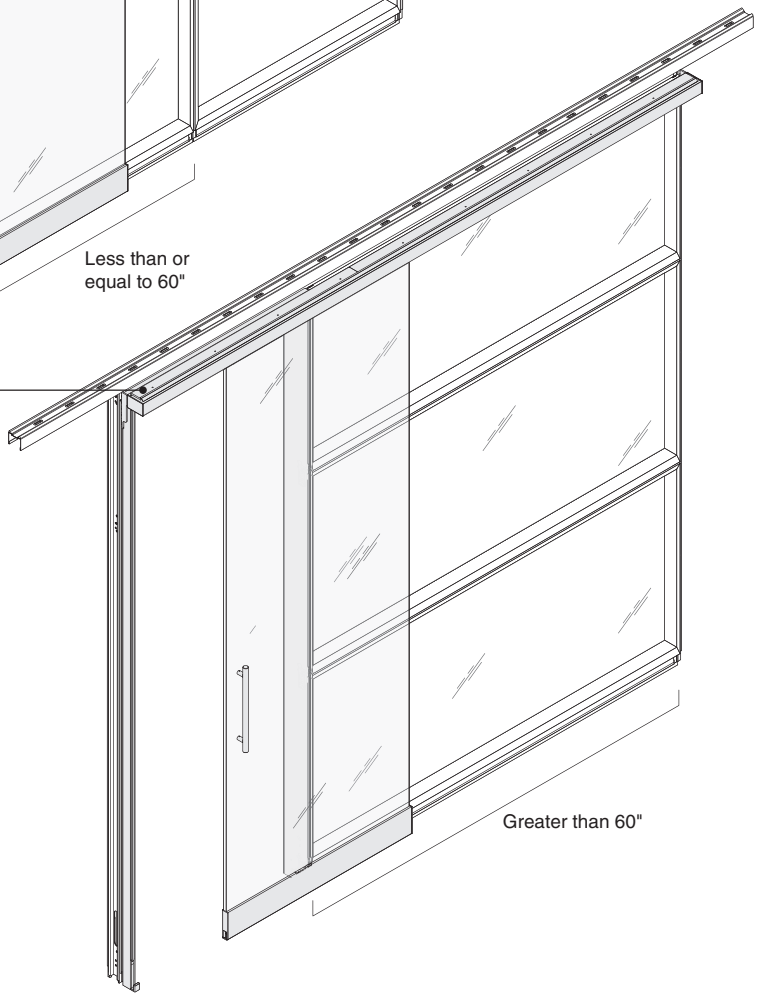
Basic Track Versus Reinforced Track

Slider Door Configurations - Advanced Planning

Basic track is an aluminum extrusion which can be used when the module adjacent to the door opening is less than or equal to 60".



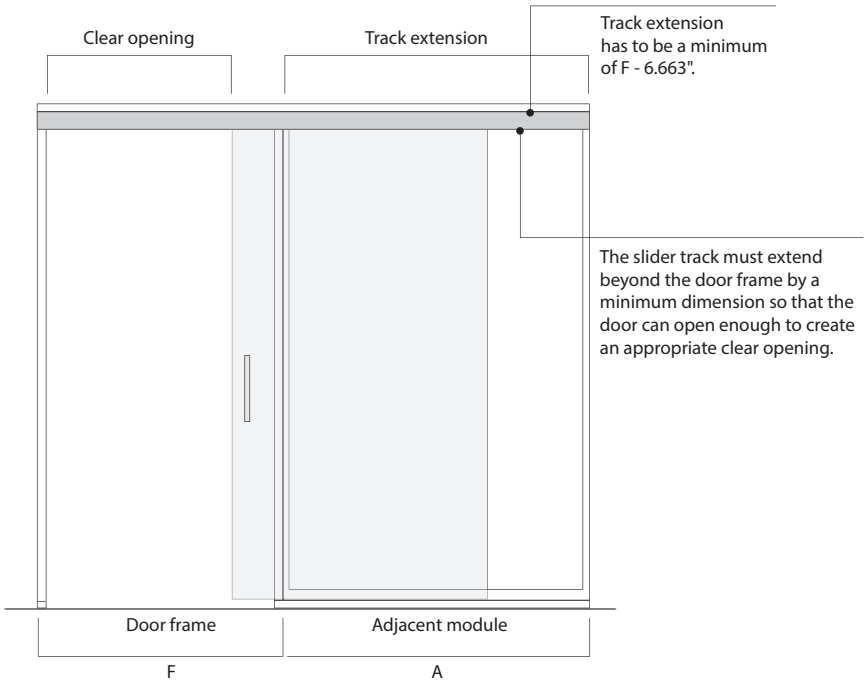
Reinforced track is an aluminum extrusion that is structurally reinforced with a steel angle to span longer lengths. Reinforced track is required when the module adjacent to the door opening is greater than 60". Reinforced track is made up of two lengths of track. Overall length cannot exceed 168".



Basic Track Examples

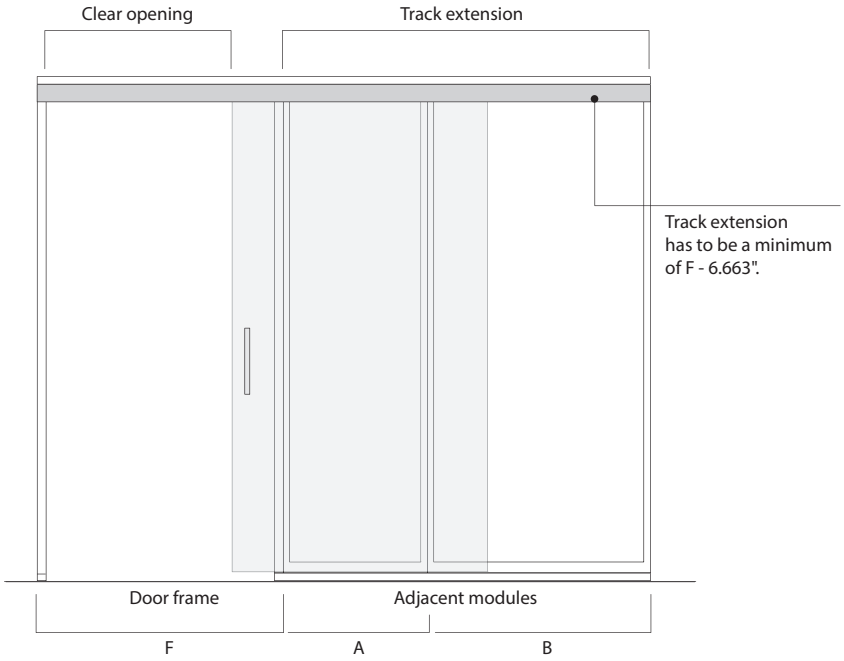
Slider Door Configurations—Advanced Planning

Slider Door and Single Adjacent Module



A must be greater than F - 6.663"

Slider Door and Multiple Adjacent Modules



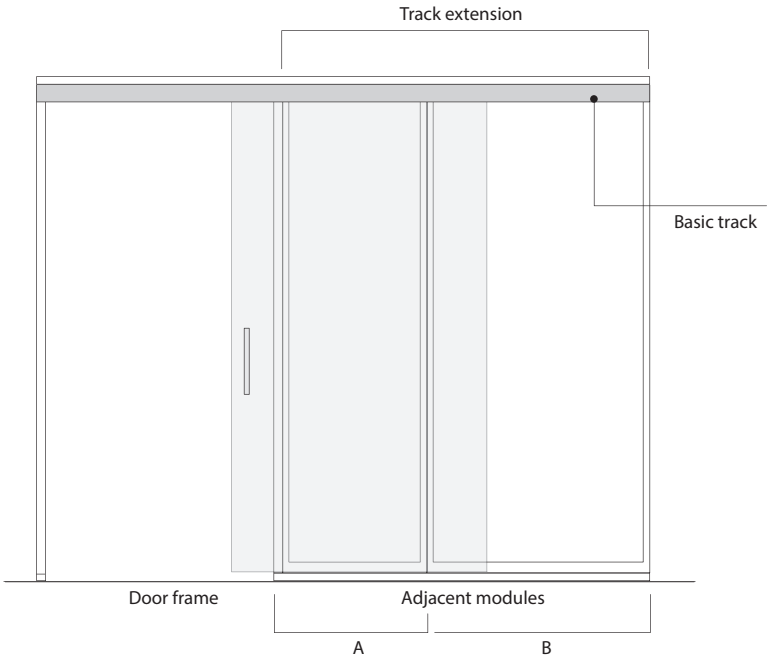
A + B must be greater than F - 6.663"
A + B must be less than or equal to 60"

A must be greater than or equal to F minus 6.663" and less than or equal to 60" to avoid having to extend track over B. Track could extend over B if desired and if total length would be equal to or less than 120" or 144" (depending on project site ability to accept 144" long components).

Tip: B dimensions that exceed 60" are unlikely but possible.

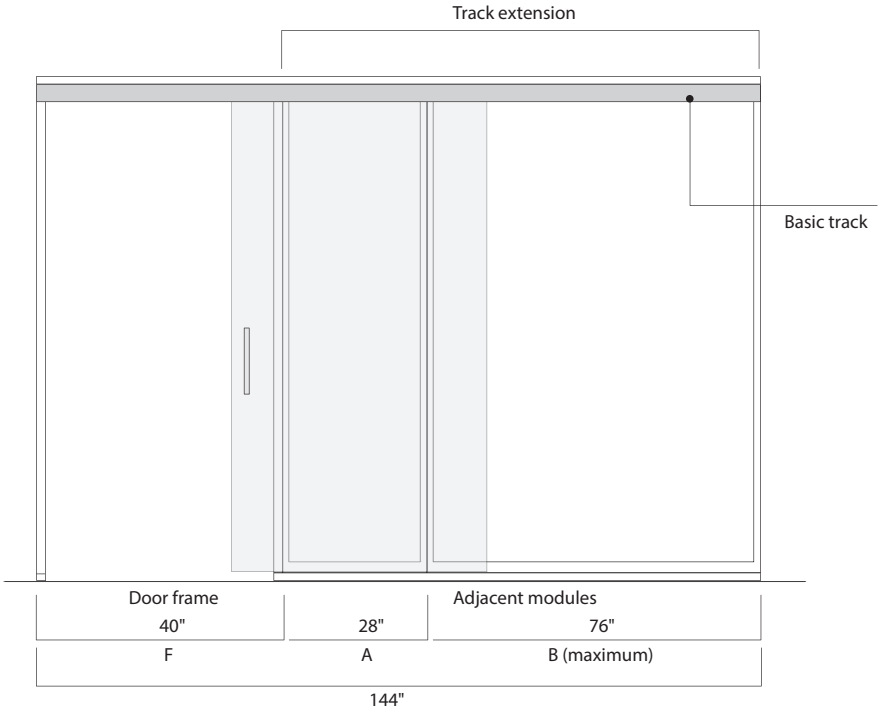
▶See *SmartTools,* Page 4

Slider Door and Multiple Adjacent Modules, continued



A + B is less than or equal to 60"

As long as A and B are each less than or equal to 60", basic track can be used. Track does not have to extend over B, but can if continous visual is desirable.



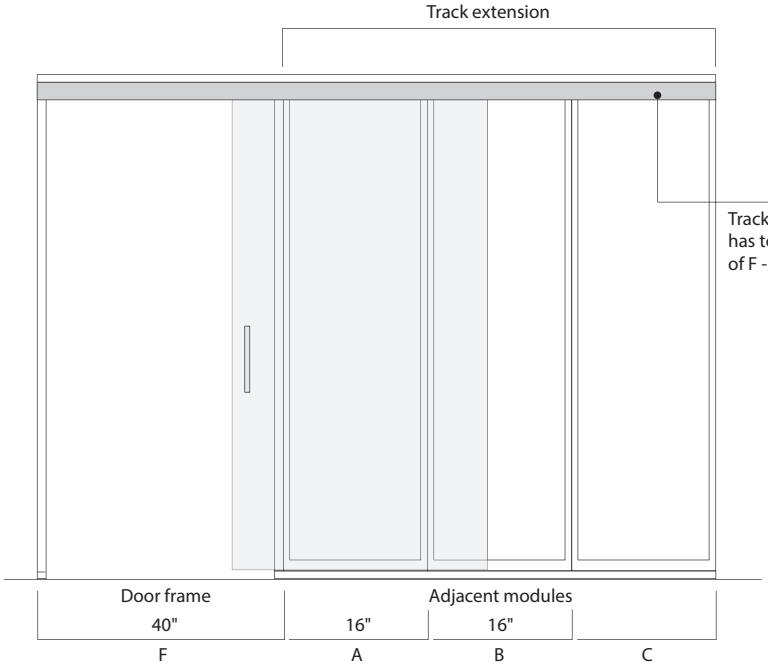
A single length of basic slider track can be no longer than 144".

If A is greater than or equal to F minus 12" and less than or equal to 60", then B can be any width using basic track (up to maximum allowable track length minus A minus F). In the example above A equals F minus 12". In this case, the track must extend over B since A is not greater than F minus 6.663".

▶See *SmartTools,* Page 4

▶**Basic Track Examples,** continued **63**

Slider Door and Multiple Adjacent Modules, continued



A + B are not greater than F - 6.663"
Track must extend over module C to achieve proper door opening.

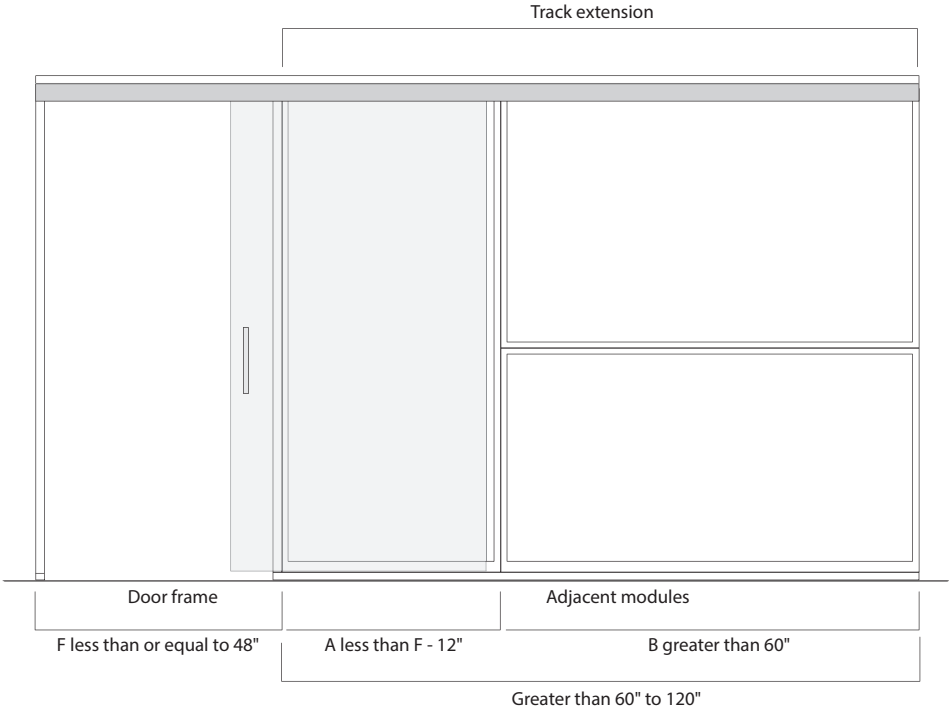
If A plus B is less than F minus 6.663", extend track to span next module until the track length spanning adjacent modules is greater than or equal to F minus 6.663".

▶See *SmartTools,* Page 4

Reinforced Track Examples

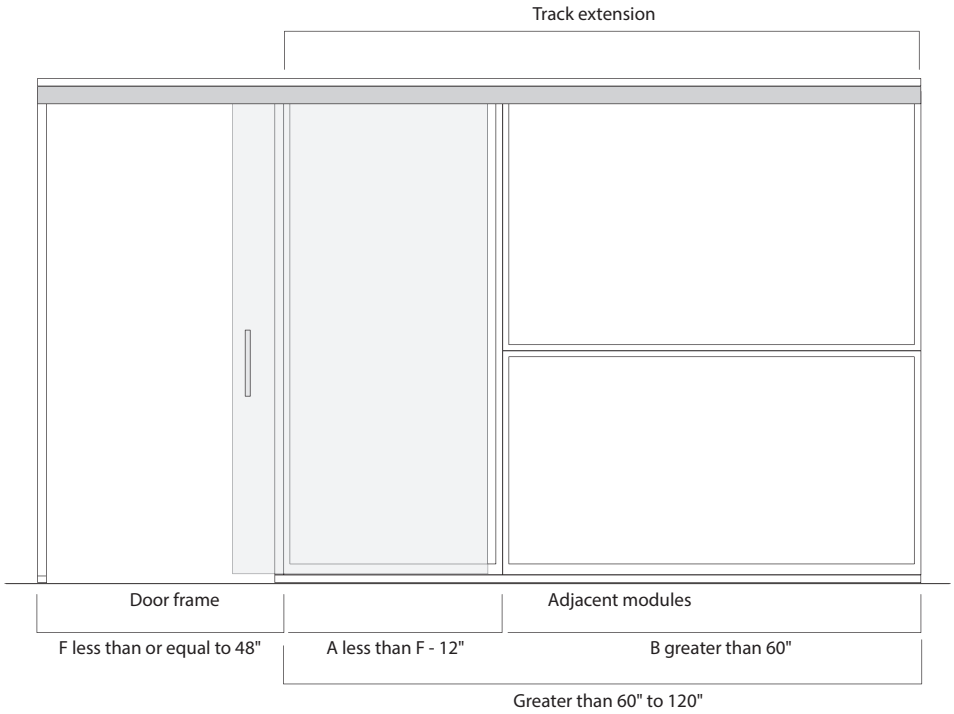
Slider Door Configurations—Advanced Planning

Slider Door and Multiple Adjacent Modules



When adjacent module A is greater than F minus 12", reinforced track is required to span modules A and B. Combined adjacent modules cannot exceed 120" regardless of F dimension.

Tip: If A is greater than or equal to F minus 12" and less than 60", this could be a basic track as long as it is less than 120".



When B is greater than 60" and A is less than F minus 12", reinforced track must be specified.

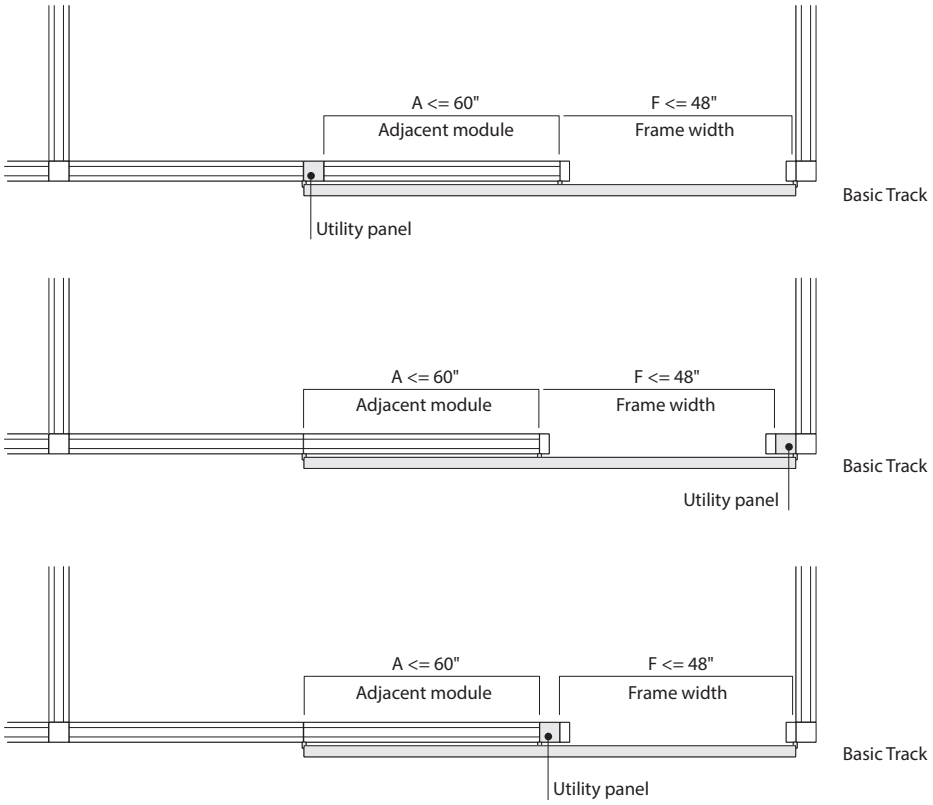
▶See *SmartTools,* Page 4

Basic Track, Reinforced Tracks, and Utility Panel

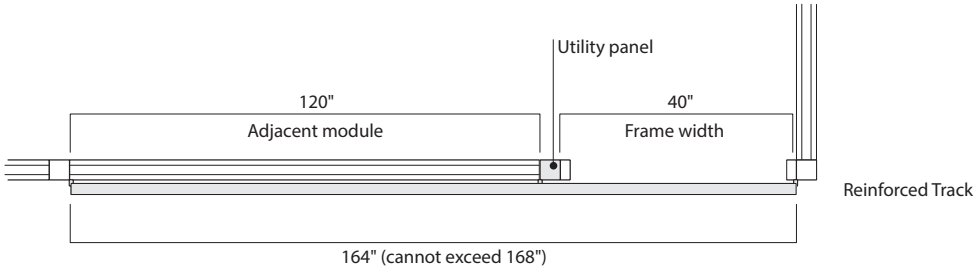
Slider Door Configurations—Advanced Planning

Utility panel width does not need to be included when calculating the overall span of the track.

In these three examples, the span of the track is allowed to increase by 4" to allow for the utility panel.



When a utility panel is between an adjacent module and a door frame, the adjacent (landscape) module can still be up to 120".



▶See *SmartTools,* Page 4

Bridging Door Tracks

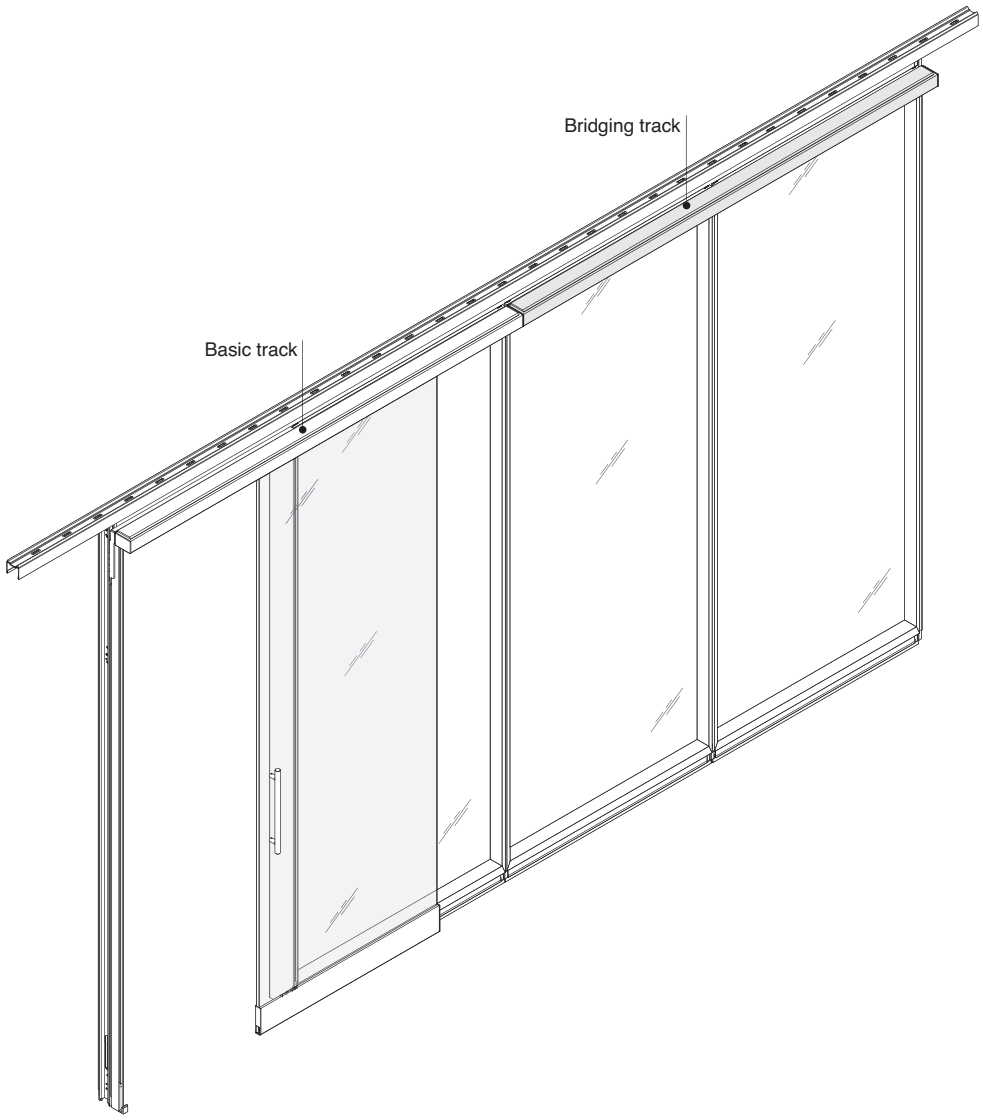
Slider Door Configurations

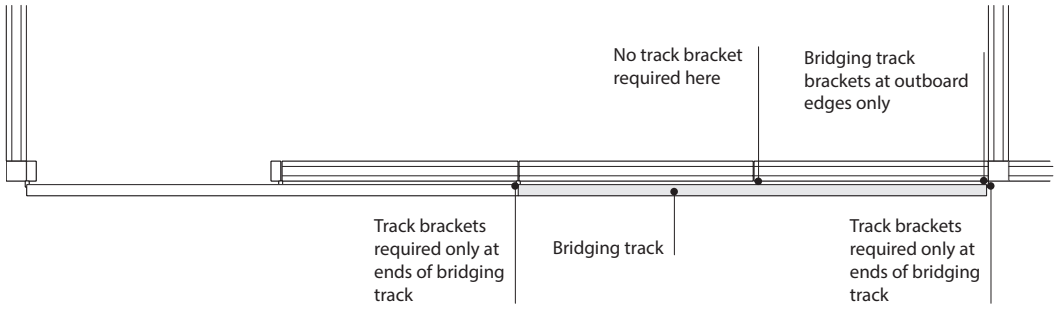
If desired, additional lengths of door track can be added (bridged) adjacent to lengths of functioning basic track to create a consistent visual line.

Bridging track can be no longer than 144".

Bridging track is specified without hardware – no trollies or braking mechanisms are included.

Bridging track can span junctions, mini ends, etc.

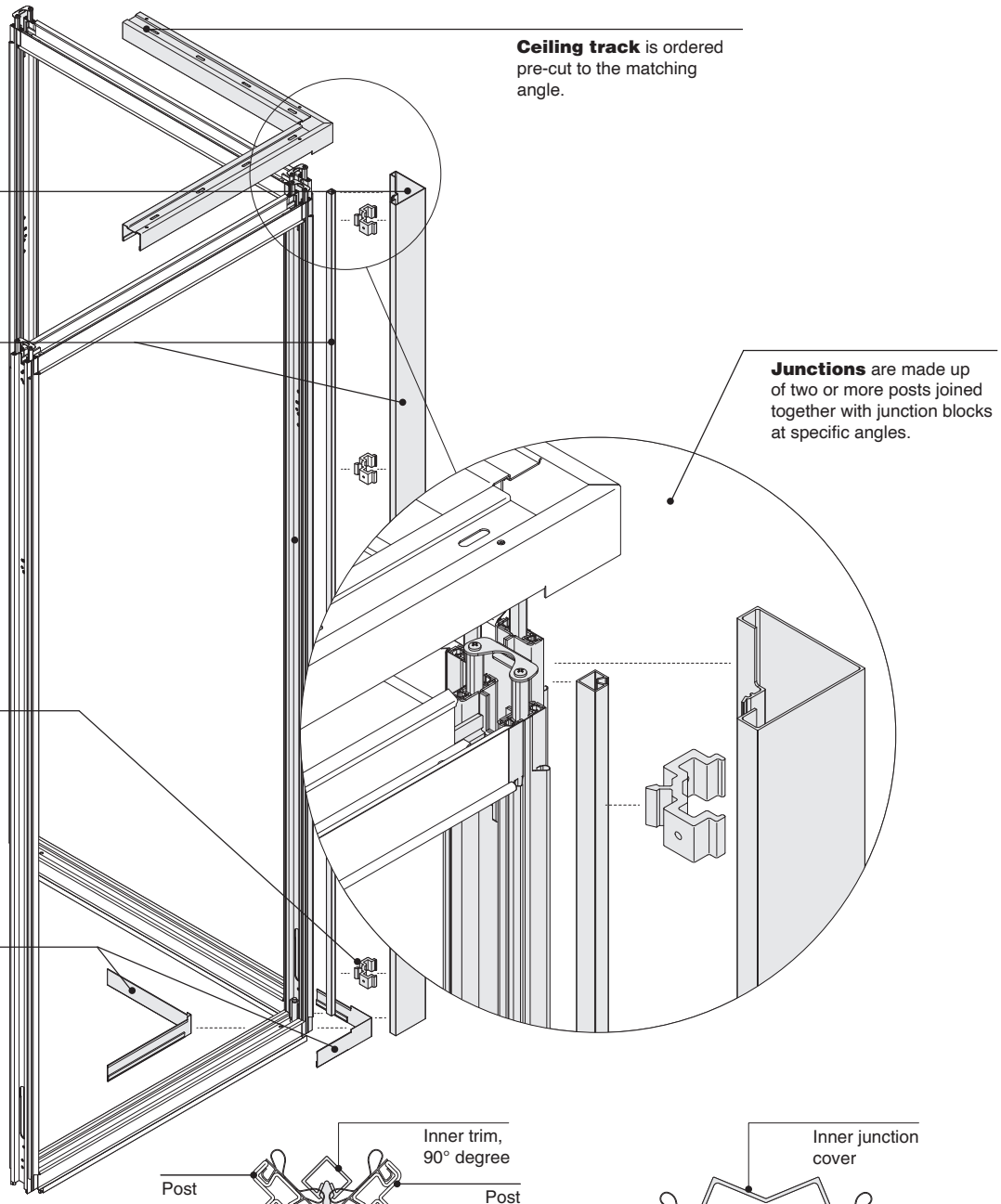


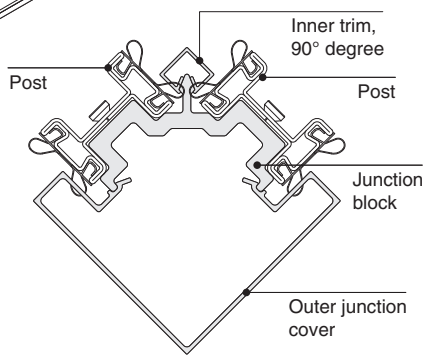


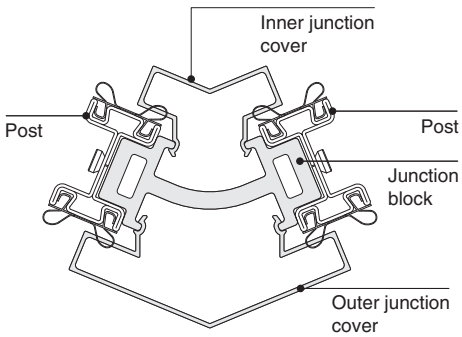
▶See *SmartTools,* Page 4

Intersections—Junctions and Adapters

V.I.A. junctions are used where two or more walls join together at an angle. They are available at pre-set angles or specifiable angles at 1° intervals.
▶Specifying, page 181

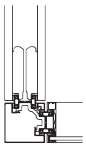




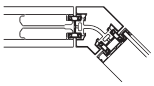


Product Details

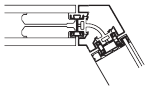
▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.



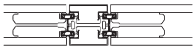
Two-Way 90°



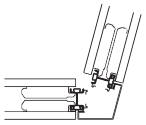
Two-Way 135°



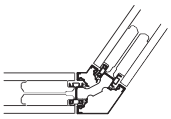
Two-Way 120°



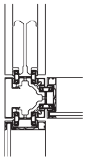
Two-Way 180°



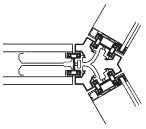
Two-Way variable
91° - 94°



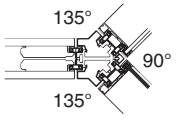
Two-Way variable
95° and greater



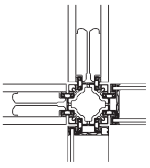
Three-Way 90°



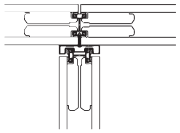
Three-Way 120°



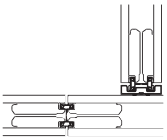
Three-Way 135°



Four-Way



Adapter T on module



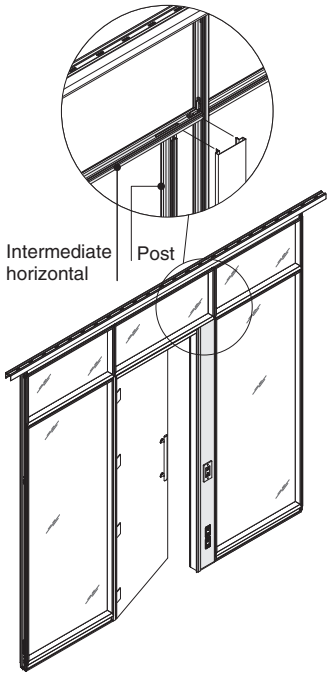
Adapter T off module

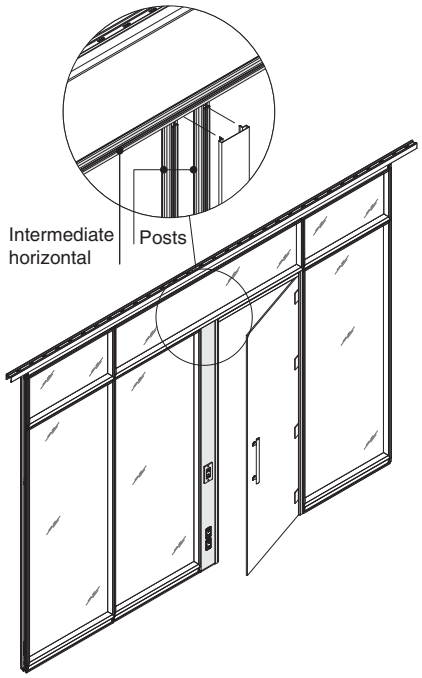
Junctions and adapters join walls in various configurations.

Fixed angle two-way junction assemblies are available in 90°, 120°, 135°, and 180° configurations.

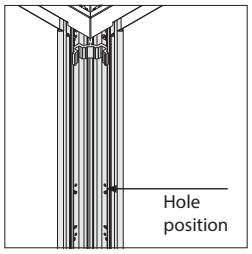
Height can be specified in planning heights from 80"–144" ceiling height.

When creating angles other than 180°, junction assemblies must extend to the ceiling track.



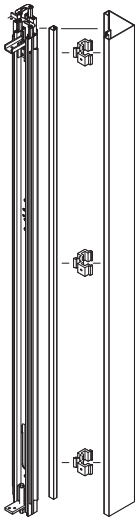


When used in conjunction with utility panels, the top of 180° two way junctions can connect to an intermediate horizontal (either one post or both posts) or the ceiling track.



Like posts, junctions can have up to 11 hole positions for intermediate horizontals. The hole pattern will match on all posts within a junction.

When wall geometry does not allow for all posts within a junction to be optimized, the junction will be shipped unassembled.



Junctions can be ordered as an assembly from the factory, or as components to be assembled onsite.
Tip: When using existing posts to create a junction, order junction hardware for field assembly.

Two-Way 90°

Two-Way 120°

Two-Way 135°

Two-Way 180°

Two-Way variable small

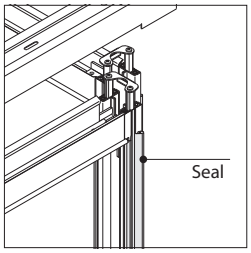
Three-Way 90°

Three-Way 120°

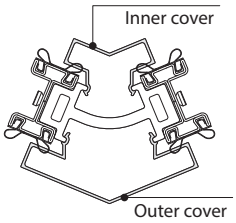
Three-Way 135°

Four-Way

Junction hardware kits include the necessary junction blocks and fasteners to join posts together to create a junction assembly.



Factory applied seals on structural posts minimize sound transmission. Only one seal color is specifiable per junction assembly.
Tip: If multiple seal colors are required, order additional seals and replace on site.



Junction covers, inner and outer, conceal and finish the junction assembly.

Junction covers for fixed angle junctions are aluminum, and can be specified in anodized or painted finishes.

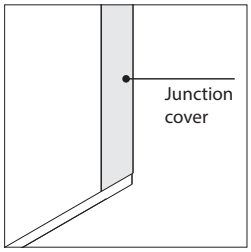
Variable angle two-way junction assemblies are available in all other angles between 90° and 180°, excluding 120° and 135°, which are orderable as fixed angle junctions.

Junction covers for variable angle junctions are steel, and can be specified in painted finishes.

Inner junction trim is specified at 90° angles.

Inner variable angle junction covers are specified for the intersection of two walls at angles between 91° and 179°.

Outer variable angle junction covers are specified for the intersection of two walls between 90° and 180°, excluding 120° and 135°, which are orderable as fixed angle junctions.

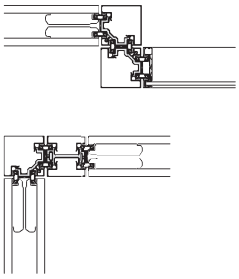


When positioned adjacent to a solid skin or glass frame, the bottom edge of the junction cover will align with the bottom edge of the skin or frame.

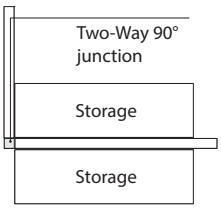
When positioned between two door frames or between a mini end and a door frame, the bottom edge of the junction cover will extend to the floor.

180° junction assemblies can be combined with utility panels to house power receptacles, data, switches, and other devices.
▶See page 81

Any skin type, glass frame, or door frame, can be connected to a junction.



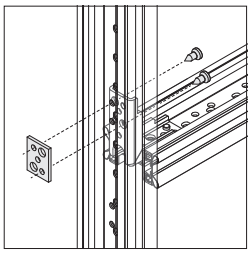
Two junctions can be positioned adjacent to one another.



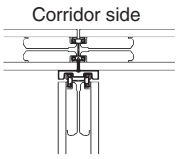
Junctions allow access to slots for hang-on components.

The junction bottom seal is positioned in the base cavity of the junction to minimize sound transfer.

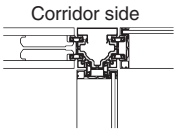
A junction cover seal is installed in each end of the junction cover to minimize sound transfer.



Nut plates are provided at all junctions, other than 90° two-way, to simplify the connection of intermediate horizontals to the posts.

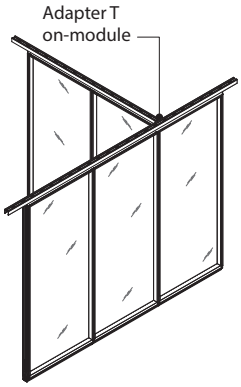


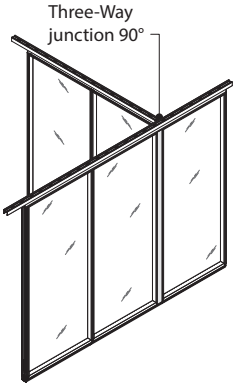
Adapter T on module



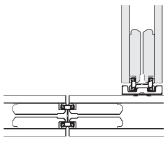
Three-Way junction 90°

Adapters can be used to create a T or X intersection.

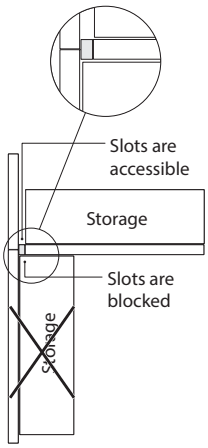




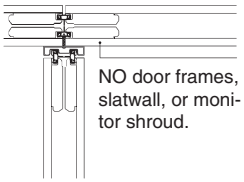
Adapters may be preferable to junctions as they create a smaller profile along the corridor side of a wall.



Off-module adapters can be positioned at a solid skin surface (away from a vertical reveal).



Adapters will block the slots on the intersecting wall.



NO door frames, slatwall, or monitor shroud.

Adapters can be used with any skin type or glass frame, but may be limited to use with door frames, slatwall, or monitor shrouds.

Base and ceiling track are specified in corresponding angled configurations.
▶See page 24

Do not use off-module adapters when ceiling heights are greater than 10'0".

Wiring and Cabling

Junctions can be used to route power and cable infeeds down from the ceiling and up from the floor.
▶See *Electrical Components*, page 78

A junction can accommodate four hardwire infeeds and eight Cat 6 cables or two modular infeeds and twelve Cat 6 cables.

Surface Materials

90°, 120°, 135°, and 180° angle junction covers
- 8043 Clear Anodized Aluminum
- Paint

Variable angle junction covers
- Paint

Seals
- Plastic

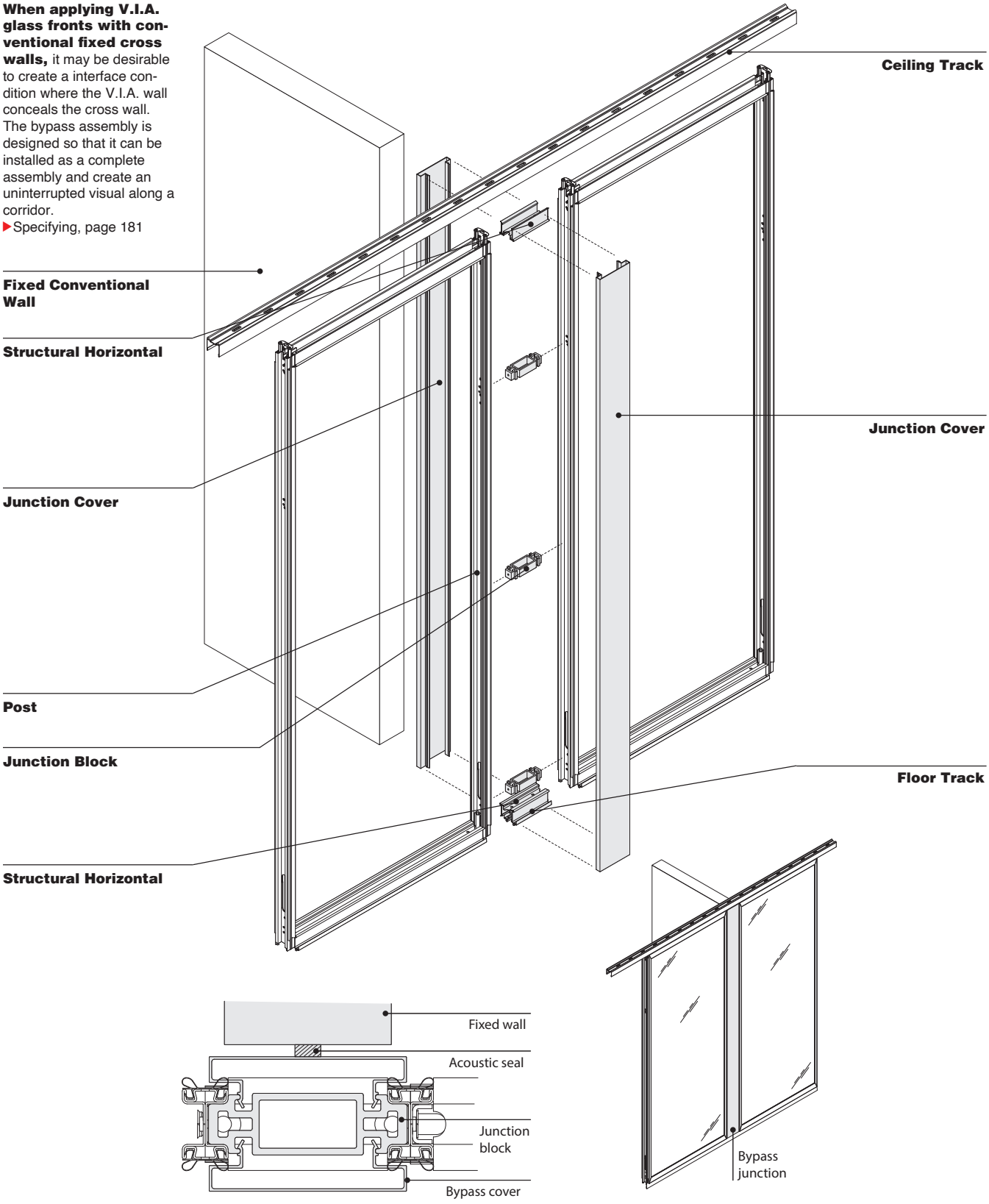
Application Topics

V.I.A. Planning Dimensions
▶See page 103

Bypass Junction Assembly

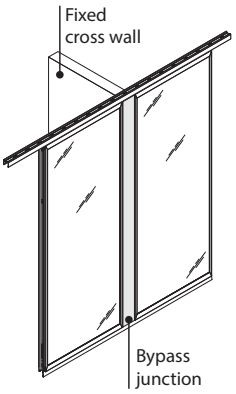
When applying V.I.A. glass fronts with conventional fixed cross walls, it may be desirable to create a interface condition where the V.I.A. wall conceals the cross wall. The bypass assembly is designed so that it can be installed as a complete assembly and create an uninterrupted visual along a corridor.

▶Specifying, page 181

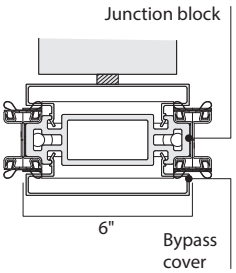


Product Details

▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.



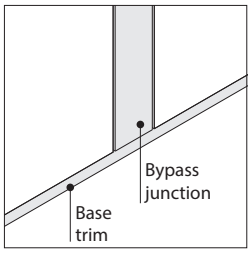
When applying V.I.A. glass fronts with conventional fixed cross walls, it may be desirable to create an interface condition where the V.I.A. wall conceals the cross wall. The bypass assembly is designed so that it can be installed as a complete assembly and create an uninterrupted visual along a corridor.



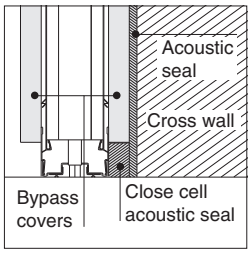
The planning width for a bypass assembly is 6".

The bypass junction assembly is assembled on site, and includes junction blocks, structural horizontals, and floor track.

Bypass junction covers are aluminum, and can be anodized or painted.



Bypass assemblies are designed to be used with base trim along the corridor side of the wall.



A close cell acoustic seal is included to close any gaps between the end of the cross wall and the face of the bypass cover.

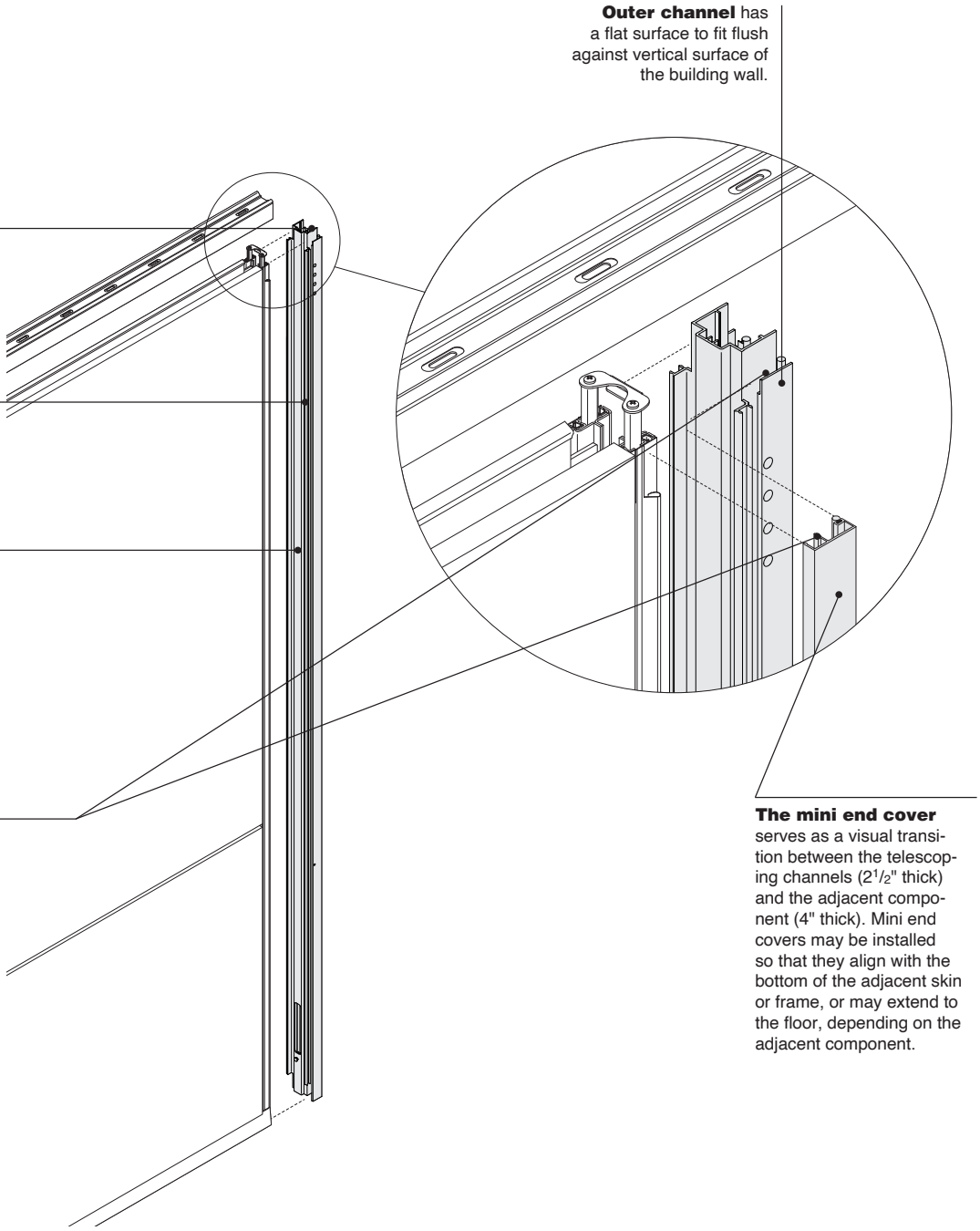
Surface Materials

Bypass outer junction cover

- 8043 Clear Anodized Aluminum
- Paint

Mini Ends

V.I.A. mini ends create a perpendicular connection between V.I.A. wall modules, and other types of walls or building components. Mini ends may be positioned adjacent to solid skins, captured glass frames, or door frames.
▶Specifying, page 197



Outer channel has a flat surface to fit flush against vertical surface of the building wall.

The inner channel of the mini end is designed to connect to a post. Wall slots in the post remain accessible to support wall-mounted furniture.

Mini end consists of three components – the inner channel, the outer channel, and two covers.

The inner and outer channels create a telescoping connection to allow adjustability to fit final field measurements. The inner and outer channels align with the top of the adjacent component and extend to the floor.

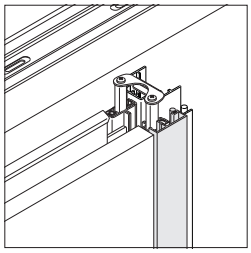
Polypropylene seals provide light and sound seal between the mini end and the building wall.

The mini end cover serves as a visual transition between the telescoping channels ($2^1/_2$" thick) and the adjacent component (4" thick). Mini end covers may be installed so that they align with the bottom of the adjacent skin or frame, or may extend to the floor, depending on the adjacent component.

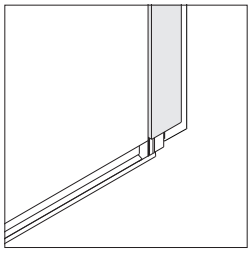
Product Details

▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.

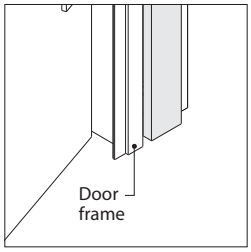
Height of the mini end is specified to the same height as the adjacent wall. Mini ends are available in ceiling heights of 80"–144". The outer channel spans to the floor and is cut on site by the installer.



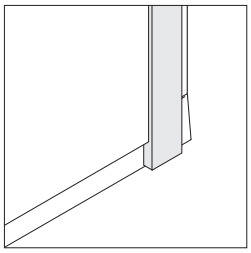
The top of the mini end cover aligns with the top of the adjacent component.



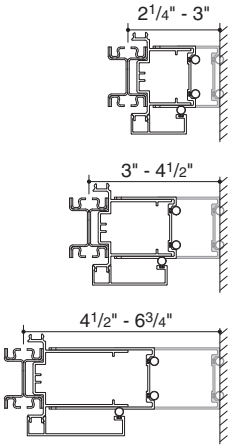
The bottom of the mini end cover can align with the bottom of the adjacent skin or frame, or can extend to the floor when adjacent to a door frame.



When positioned next to a door frame, the mini end cover should be specified with the to the floor option and will be field-cut by the installer to final length.



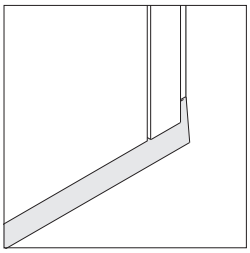
When positioned adjacent to a junction or T-adapter, the bottom of the mini end cover will extend to the floor, and will be field cut by the installer to final length.



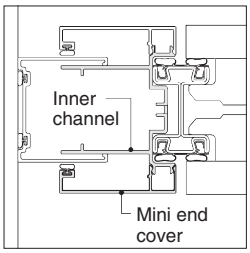
Three sizes of mini ends are available. Each telescopes to a different range of dimensions.
Small: $2^1/_4$" min– < 3" max
Medium: 3" min– < $4^1/_2$" max
Large: $4^1/_2$" min–$6^3/_4$" max

Mini ends that are planned to allow for less than $^1/_4$" of adjustment require careful coordination to confirm exact site dimensions and plumbness of adjacent fixed walls.

For ceiling heights greater than 10'-0", it is advisable to use medium or large mini ends, and to plan for the placement at the mini end mid point to allow for maximum adjustment.

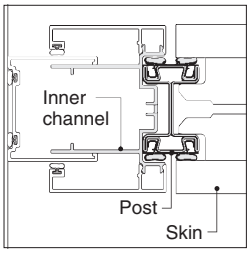


When positioned next to a solid skin or glass frame, the base trim extends under the mini end cover.



Mini end cover snaps onto the inner channel.

All wall types and door frames can connect to a mini end.

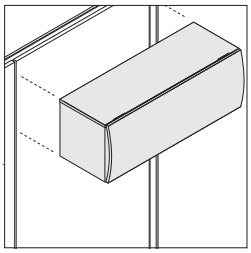


Mini end inner channel shares a post with the adjacent skins, frames, or door frames. The adjacent components can be a combination of different skin types and glass frames.

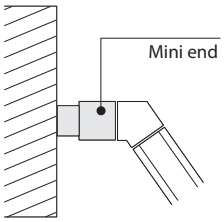
A screw connection to the building is not typically required. Mini end fits tightly against the building wall, and the contact points are sealed with a continuous polypropylene seal.

A screw connection may be required with mini end at a door frame.

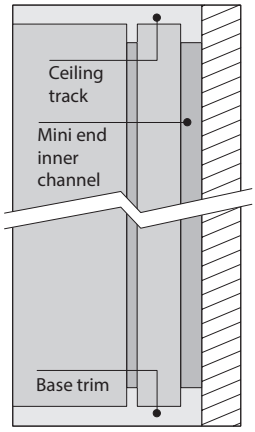
A screw connection is recommended for ceiling heights that are greater than 10'0".



Vertical post adjacent to mini end can support hang-on storage.



Mini ends can be positioned adjacent to an angled junction to create an angled wall termination.



When making paint color selections, it is recommended to use one color for ceiling track, base trim, post seals, and mini end inner channel.

Wiring & Cabling

Wire and cable routing vertically through a mini end is possible. Mini ends are often used to route power around a glass frame.

Surface Materials

Surfaces of mini ends can be painted or 8043 Clear Anodized Aluminum.

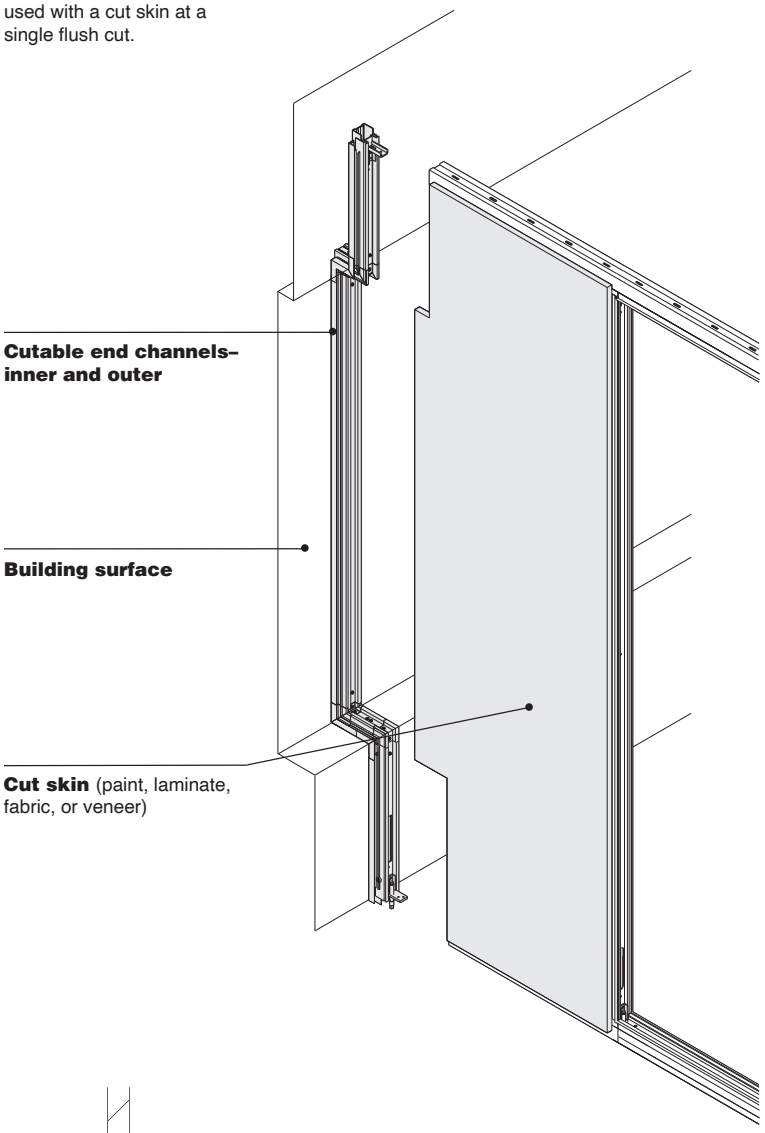
Mini end covers are ordered individually, allowing for different finishes on opposite sides of the wall (painted or anodized aluminum).

The outer channel is the same finish on all sides. The inner channel is not visible.

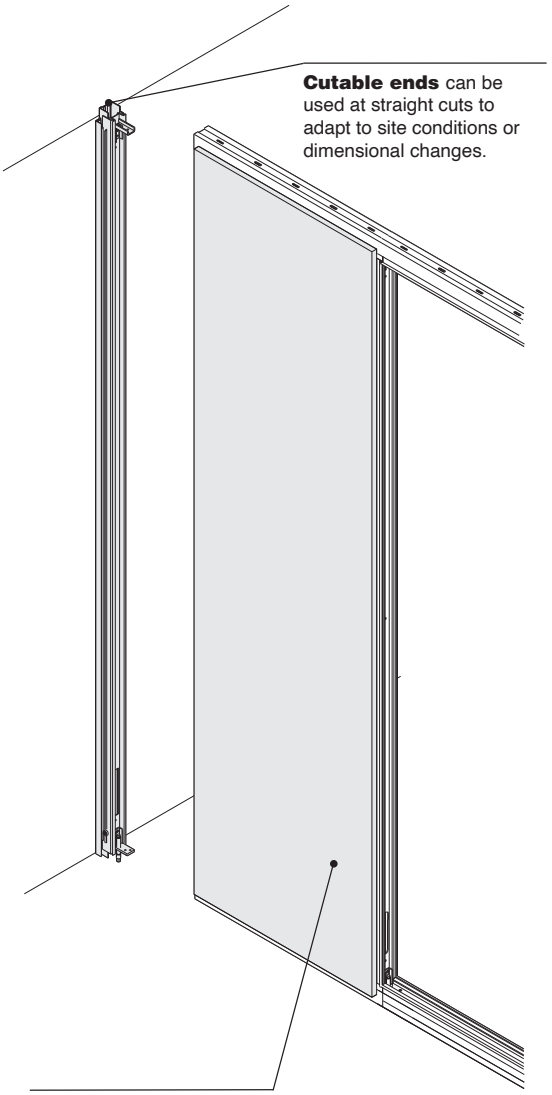
Cutable Ends

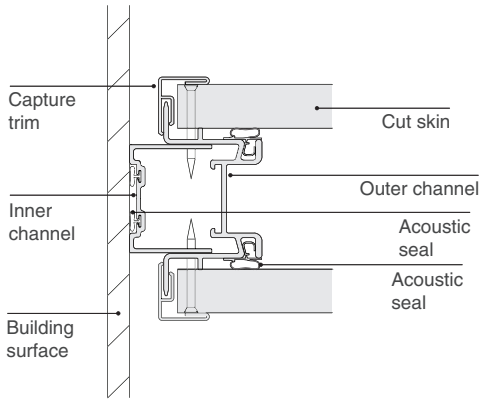
Cutable ends can be field cut around irregular building surfaces.
▶Specifying, page 201

Cutable ends can be used with a cut skin at a single flush cut.



Cutable ends can be used at straight cuts to adapt to site conditions or dimensional changes.





Product Details

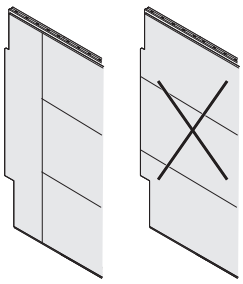
▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.

Cutable ends are sometimes necessary for a field cut at a wall termination – either to allow for unknown dimension, or to trim around irregular building conditions.

Cutable ends are used with monolithic solid skins – paint, laminate, fabric, or veneer.

Special skins are not required for field cutting.

Cutable ends are fastened to the adjacent building surface.

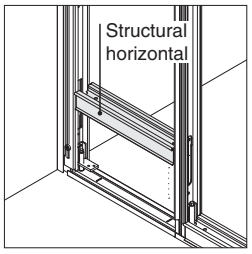


Cutable end assemblies do not accommodate intermediate horizontals or segmentation.

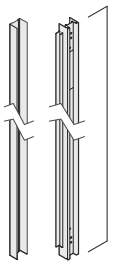
Cutable ends are not used with slatwall, ceramic skins, or monitor shrouds.

Electrical devices cannot be positioned in a cut skin.

Infeeds and cables can be routed behind a cut skin.

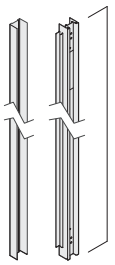


Structural horizontals that are positioned adjacent to cutable ends will be modified to ensure that cable cut-outs do not interfere with the bracket connection. These horizontals will receive one cut-out only when 22.61" long or greater. Structural horizontals that are less than 22.61" will not have any cable cut-outs.

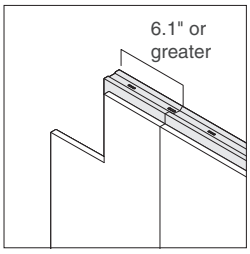


When intended for use with a single vertical cut, the inner and outer channel are ordered in lengths that correspond to ceiling height.

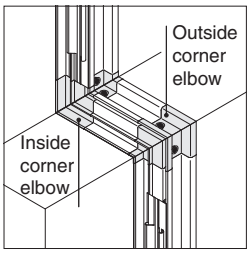
When intended for use with a single vertical cut, the inner and outer channel are combined into a single assembly.



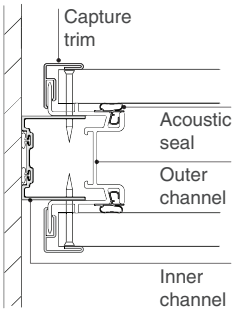
When intended for use with multiple cuts around sills and soffits, channel lengths can be specified in different lengths to minimize scrap.



A skin cannot be cut to a dimension less than 6.1" (face of skin to centerline of post).



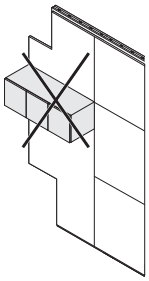
Cutable end assemblies can be combined with corner angles and elbows (inside and outside corner) to allow the installer to trim around unique end configurations.



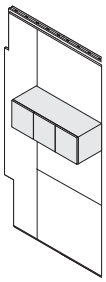
Inner channel can be specified in a different color than capture trim.

In some configurations, the outer channel seal may be visible and should be specified to be color matched to acoustic seals on adjacent posts and horizontals.

Capture trim paint color can differ from one side of wall to the other.



Cutable ends do not accommodate hang-on components.



Hang-on storage components can be positioned adjacent to a cut condition.

Surface Materials

90° Cutable end assembly
- Paint (cutable end assembly)
- Plastic (seal)

90° Cutable end inner channel
- Paint (cutable end assembly)
- Plastic (seal)

Cutable end capture trim
- Paint

Electrical Components

Field-installed electrical components are available to provide power, data, or other types of devices. Power options include modular power or conventional hardwired devices.
▶Specifying, page 205

Communication cabling is field installed.

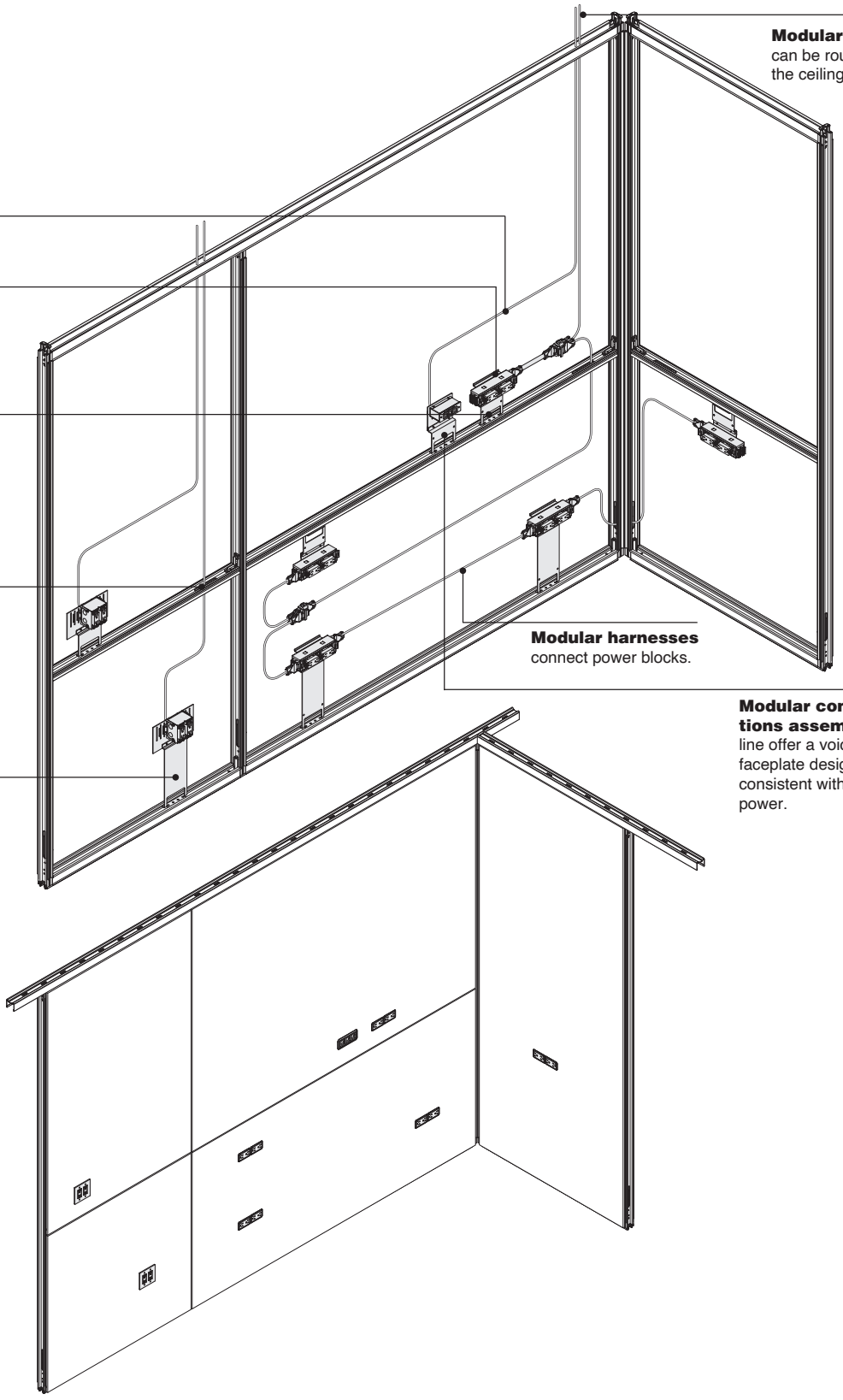
Modular power components utilize modular connections to simplify power distribution and speed installation.

Electrical mounting brackets are supported by structural or intermediate horizontals, and allow for either modular or hardwired components.

Framing components are pre-punched for cable routing.

Hardwire (power or communications)

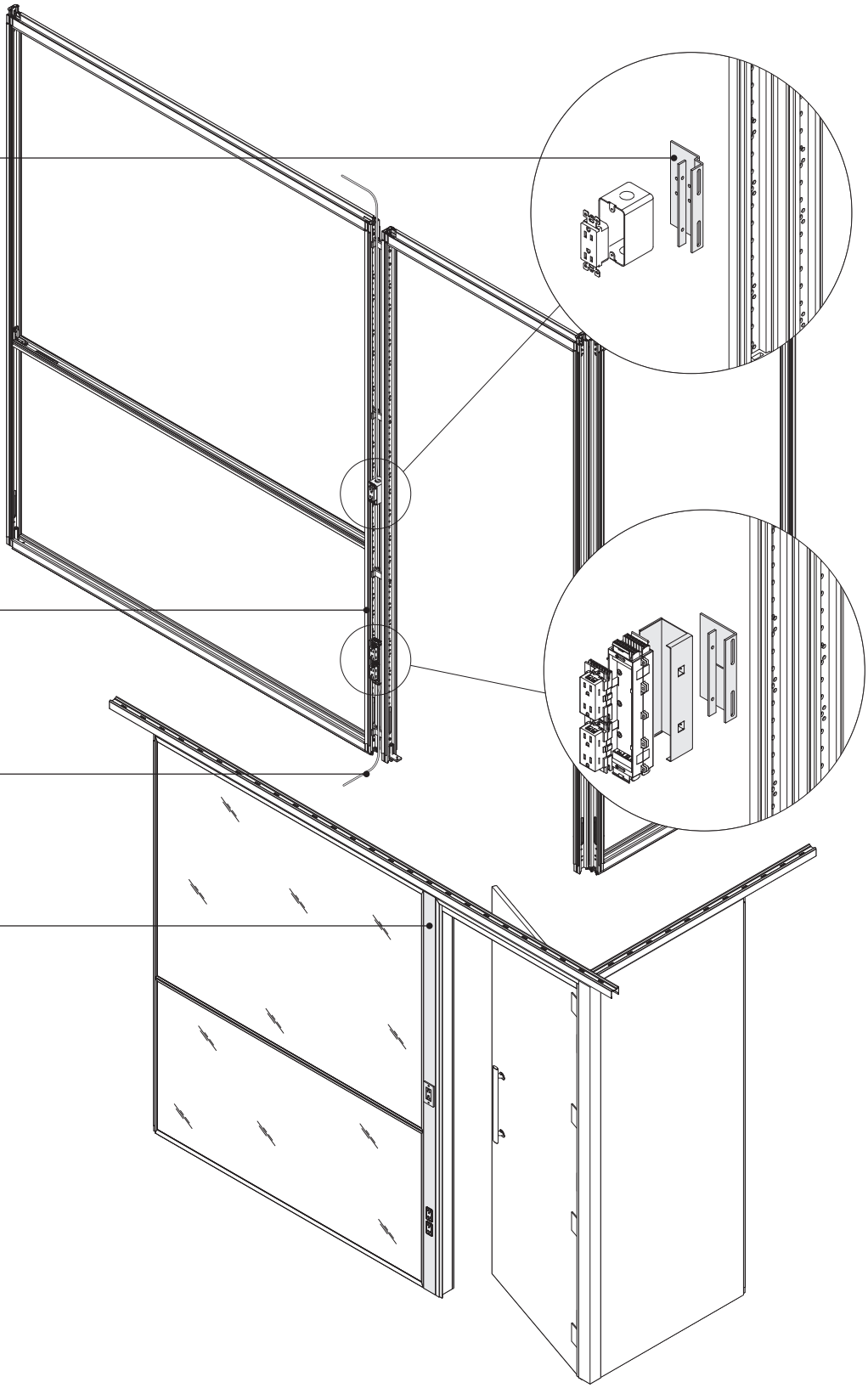
Electrical locations are parametric.



Modular infeeds can be routed through the ceiling or floor.

Modular harnesses connect power blocks.

Modular communications assemblies to line offer a voice and data faceplate design that is consistent with modular power.



Electrical mounting brackets support hard-wired or modular power.

Utility panels are factory cut for modular or hardwired power.

Multipurpose infeed feeds from floor or ceiling.

Utility panel houses electrical devices when cut-outs in skins are not available or desired.

Product Details

▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.

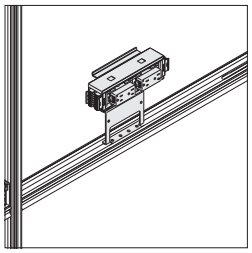
Electrical devices can be positioned in solid skins or in utility panels.
▶See *Utility Panels,* page 81

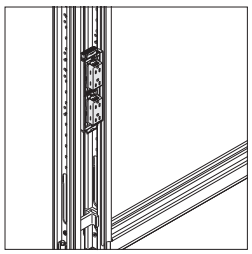
Modular power or hardwired electrical devices can be accommodated. Both types can be combined in the same application.

Cut-out locations are parametric, and are positioned as part of the design/planning process.
▶See *SmartTools*, page 4

The maximum number of cut-outs per skin will vary depending on the size of the skin and overall skin geometry. The largest skin will allow for nine cut-outs. Electrical cut-outs can be specified for factory cutting, or can be cut on site.

A maximum of three devices can be located in a single utility panel.
▶See *Utility Panels,* page 81



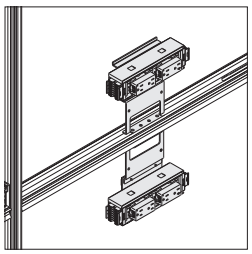


Electrical devices are held in place with mounting brackets, which are fastened to structural frame components.

Electrical or communication devices cannot be positioned in the base assembly.

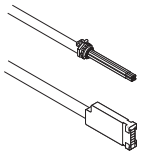
Each structural post and intermediate horizontal includes a cut-out for cabling routing. If required, additional cable routing holes can be cut during installation.

Modular Power in Skins

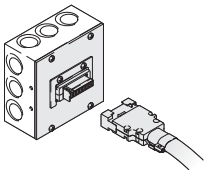


Modular power blocks are held in place with mounting brackets, which are fastened to structural frame components.

A multipurpose infeed brings power from the ceiling or floor to a power block in the wall.

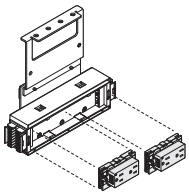


End of the power infeed can be hardwire or modular. Hardwire allows the electrician to make a conventional connection to the building's power inside a junction box. Modular allows the infeed to connect to any corresponding modular infeed cover. This is the same modular connector used by Answer, Montage, and Architectural Solutions modular power system.

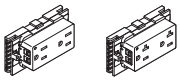


Modular infeed cover is included with modular multipurpose infeed to hardwire to a junction box. It allows modular connector on the infeed to snap easily into position. This allows infeeds to be quickly disconnected, moved, and reconnected later.

Power blocks can accommodate receptacles on one side of the wall.

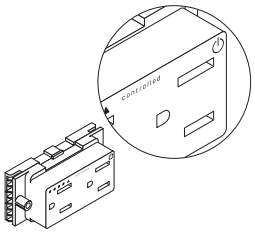


Receptacles are ordered separately and field installed in power blocks. Separate duplex receptacles are available to engage each of the different circuits that are possible in the electrical system. Receptacles are coded to indicate which circuit and type of ground they engage.

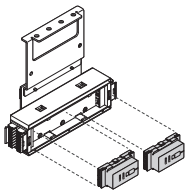


15 amp 20 amp

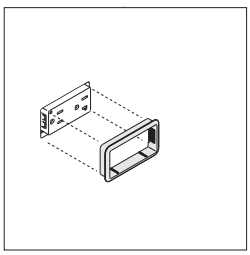
Receptacles can be specified as 15 amp or 20 amp rated.



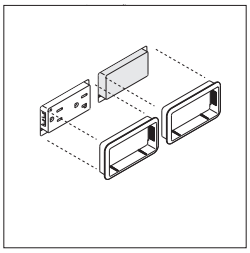
Controlled receptacle must be indicated when tying into the building management system. Duplex receptacles have an option for a factory permanent, pad stamp power icon symbol with the word controlled per compliance with the Energy Code.



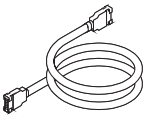
USB receptacles are available in three wiring schematics with multiple line options. USB receptacles offer easy access to two changing ports. Each port provides one amperage of output. USB receptacles conveniently charge a wide range of electronic devices. Some devices may not be compatible.



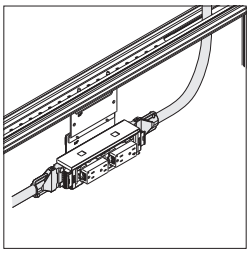
Receptacle trim is used with each receptacle to cover te edge of the cut-out and create a precise transition between the cut-out and the receptacle.



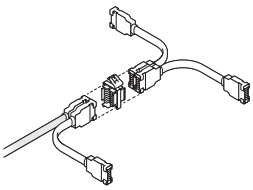
When a single duplex receptacle is needed, use a blank cut-out cover over the unused cut-out.



Modular harnesses connect power from one power block to another. Harnesses are available in lengths of 36", 72", and 144".

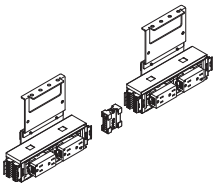


Each power block can receive a single harness at either end.



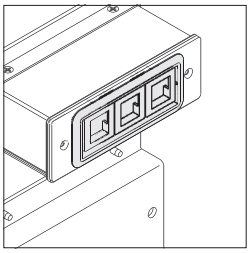
Harness-to-harness branching connector link harnesses. This allows multiple harnesses to connect at a single point to allow power networks to branch.

Harnesses cannot be routed in the base cavity, door frames, behind slatwall skins, or between back-to-back back-painted glass.



Power block connectors join two power blocks directly adjacent to one another.

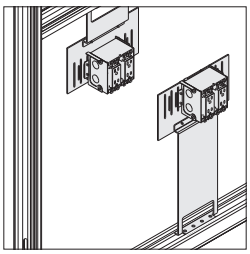
Power harnesses can be routed behind solid skins or within junctions and mini ends.



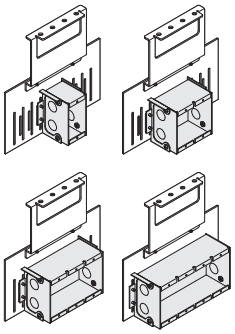
A modular communication faceplate can be used to create voice and data terminations using a design that is consistent with modular power receptacles.

In some cities, like New York and Chicago, local electrical codes will not allow the use of modular power components in full height walls. When planning for power in these areas, use hardwire power components.

Hardwire in Skins



Junction boxes are held in place with mounting brackets, which are in turn fastened to structural frame components.



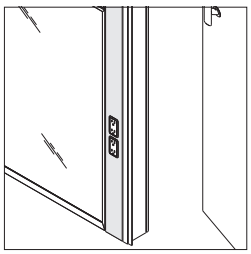
Mounting brackets can accommodate single gang, two gang, three gang, or four gang junction boxes.

Mounting brackets are designed for use with $2^1/_2$" deep junction boxes as manufactured by Appleton.
Single Gang – M1-250
Two Gang – M2-250
Three Gang – M3-250
Four Gang- M4-250
Partition – LVP250
Skins can be factory cut for any of these four sizes.

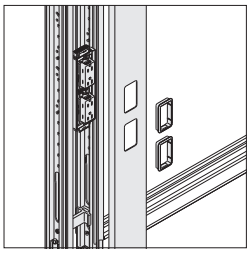
Junction boxes (and associated devices) and cover plates are purchased locally and are not part of the V.I.A. statement of line.

Conduit cannot be routed in the base cavity, door frames, behind slatwall skins, or between back-to-back back-painted glass.

Utility Panel

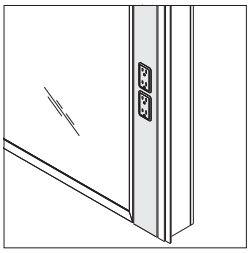


Utility panels are used to house electrical devices when solid skins are not available, or skin cut-outs are not desired.



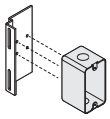
Utility panels are made up of 180° junction assemblies with factory cut covers.

Utility panels can include as many as three electrical devices. One of these can be a modular power block. The three cut-outs can be located in one cover, or can be distributed over both (i.e. two cut-outs in one cover, one cut-out in the other). Utility panel covers can be ordered with factory cut-outs.

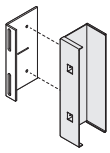


Modular power blocks are oriented vertically in the utility panel.

Utility panels can accommodate hardwired single gang 2" x 4" electrical boxes – either $2^1/_2$" deep or $1^7/_8$" deep (shallow box).

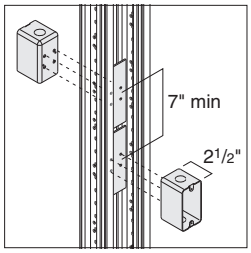


Hardwire box



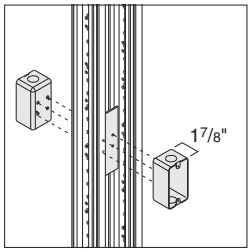
Modular power block

Utility panel mounting brackets are designed for use with hardwired junction boxes as manufactured by Appleton.
$2^1/_2$" deep: 4SSLD-$^1/_2$"
$1^7/_8$" deep: 4CS-$1^1/_2$"

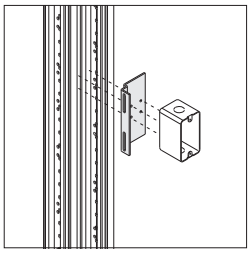


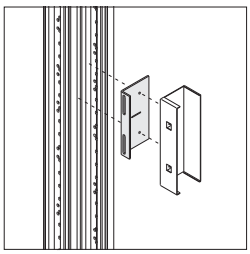
When hardwired devices using a $2^1/_2$" deep box are cut into both sides of the utility panel, they must be offset by a minimum of 7" (center to center).

There are three types of mounting brackets:
- hardwired $2^1/_2$" deep box
- hardwired $1^7/_8$" deep box back-to-back
- Modular power block



When hardwired devices using a $1^7/_8$" deep box are cut into both sides of the utility panel, they can be positioned in a back-to-back configuration.





Electrical devices are held in place with mounting brackets, which are in turn fastened to a structural post.

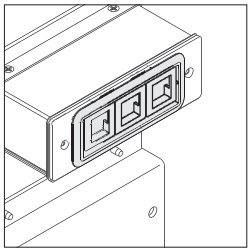
When a modular or hardwired $2^1/_2$" deep box is specified in a utility panel, one cover is cut-out for the box and the opposing cover is notched to allow the necessary clearance for the mounting bracket.

Modular communication covers cannot be located in a utility panel. Use industry standard communication faceplates.

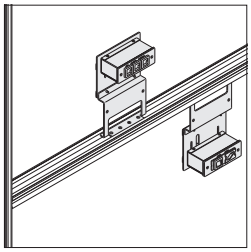
Junction boxes (and associated devices) and cover plates are purchased locally and are not part of the V.I.A. statement of line.

Modular power cutouts can be placed on one side only.

Communications

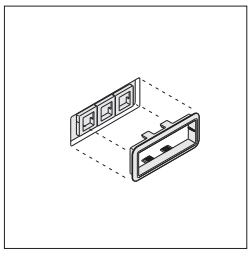


A modular communication faceplate can be used to create voice and data terminations using a design that is consistent with modular power receptacles.

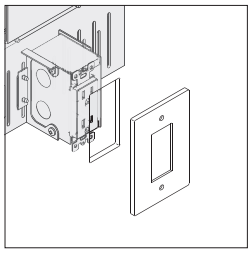


The modular communication faceplate is held in place with mounting brackets, which are fastened to structural frame components.

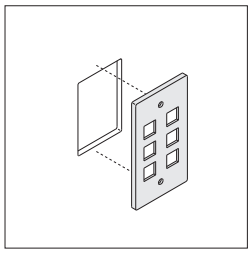
The modular communication faceplate can be specified for either three RJ45 connections or a combination of one RJ45 and a VGA connection.

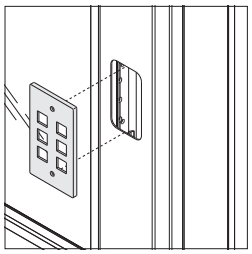


Communications receptacle trim is used with each receptacle to cover the edge of the cut-out and create a precise transition between the cut-out and the faceplate.



Conventional communication faceplates can be used with an electrical box, which is held in place with electrical mounting brackets.





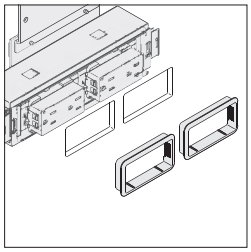
When an electrical box is not desired, communication faceplates can be fastened to the surface of the skin or utility panel.

Cut-Outs

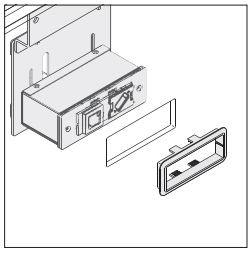
Cut-out locations are parametric, and are positioned as part of the design/planning process.

Electrical cut-outs can be specified for factory cutting or can be cut on site.

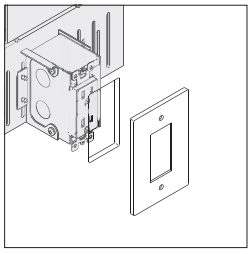
The maximum number of cut-outs per skin will vary depending on the size of the skin. The largest skin will allow for nine cut-outs.



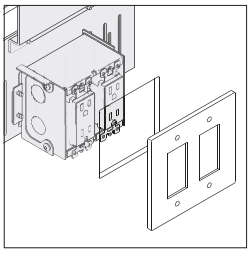
Modular Double (two cut-outs for two receptacles)



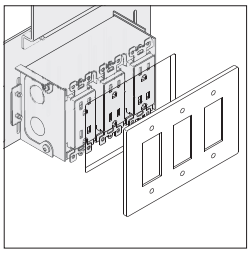
Modular Communications



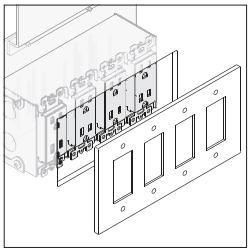
Hardwire Single



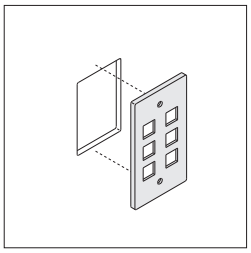
Hardwire Double



Hardwire Triple



Hardwire Fourplex



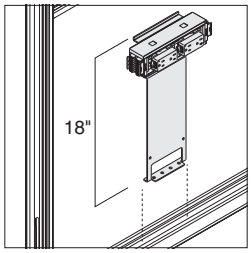
Communications – No Junction Box

Electrical cut-outs in skins are available in seven different configurations.

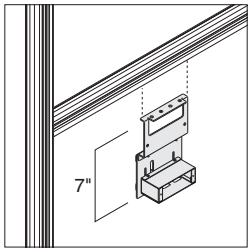
Brackets

Electrical mounting brackets for skins will fasten to intermediate or structural horizontals. They are available in six types:

- Modular power
- Modular communications
- Modular power at ADA
- Modular communications at ADA
- Hardwire
- Hardwire at ADA



ADA mounting brackets are 18"H, and will position electrical devices at ADA compliant height when fastened to the bottom structural horizontal.



Other mounting brackets are 7" tall.

Mounting brackets for modular power and communication include an acoustical back box to minimize sound transfer.

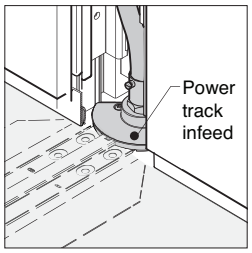
Three types of mounting brackets for utility panels:

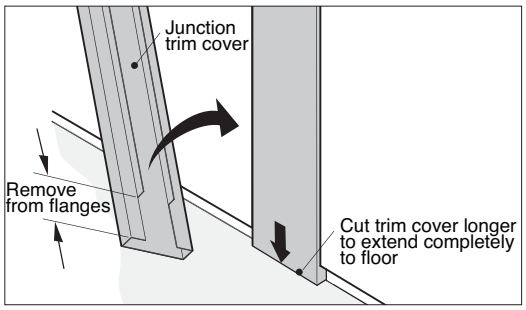
- Hardwire 2½" deep box
- Hardwire 1⅞" shallow box back-to-back
- Modular power block

All V.I.A. electrical components are listed by Underwriters Laboratory (UL) and certified by the Canadian Standards Association (CSA).

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

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





Thread infeed from V.I.A. wall system:

- When routing a thread infeed within a V.I.A. wall, connect thread floor system to the building power source only, not to V.I.A. power.
- When routing a thread infeed within a V.I.A. wall, the thread floor system installation must be completed prior to the V.I.A. installation. The connection of building power source to the thread system must be carefully planned and coordinated.
- When infeeding power, internally, from a V.I.A. wall into a thread power system, the entry point must be from an 180° 2-way V.I.A. junction that is not adjacent to a door frame, a corner, or a finished end. This junction cover needs to be specified with a “to floor” option to conceal connections at the base cavity. It is important to avoid any door clearance issues when planning the thread layout.
- A 180° 2-way junction cannot accommodate a thread infeed along with any other electrical devices or conduit.
- Refer to the *Architectural Solutions Specification Guide* for more information on the thread power system.

Surface Materials

Receptacle
- Plastic

Power/communication receptacle trim
- Plastic

Blank cut-out cover
- Plastic

Modular communication faceplate
- Plastic

Utility panel cover
- 8043 Clear Anodized Aluminum
- Paint

Electrical Wiring Schematics

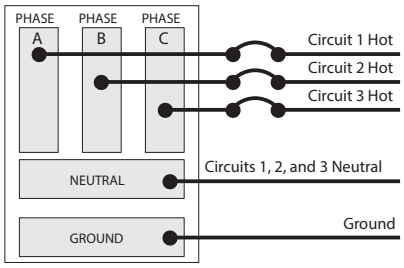
Details for the Electrician

V.I.A. modular power components are offered in three different wiring schematics to allow you to match your specific wiring strategy to any typical building wiring plan.

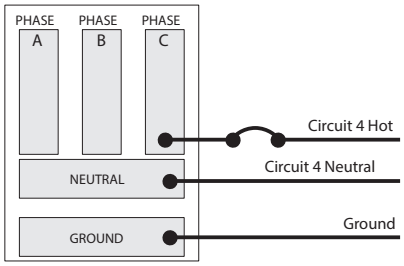
Tip: All the components in an electrical system must use the same wiring schematic. The components are color coded and keyed to make it impossible to connect mismatched parts.
Black = Four-circuit, 3+1
Brown = Four-circuit, 2+2
Rust = Three-circuit, separate neutrals
Shared neutral conductors = 10 gauge
Separate neutral conductors = 12 gauge
Hot conductors = 12 gauge
Grounding conductors = 12 gauge

Four-Circuit, 3+1

Circuit Panel 1

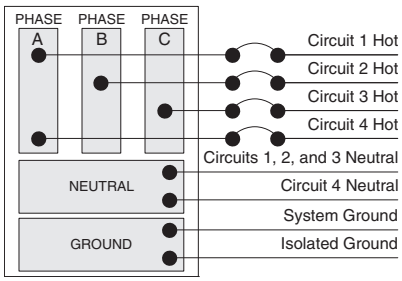


Circuit Panel 2



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.

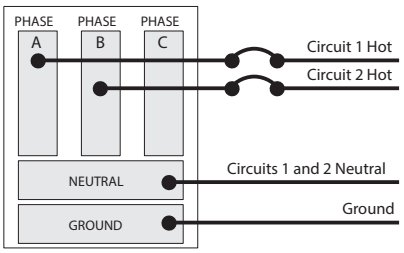
Single 3-Phase
Circuit Panel



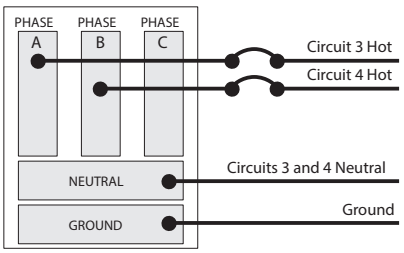
On a single 3-phase circuit panel, all four circuits are distributed as shown.

Four-Circuit, 2+2

Circuit Panel 1

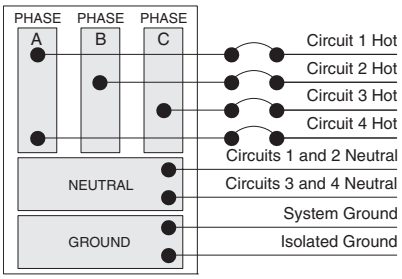


Circuit Panel 2



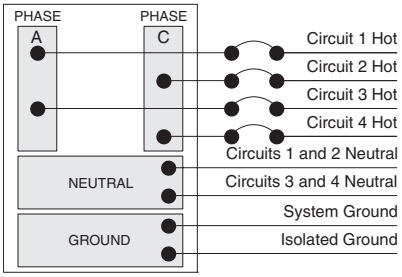
In the four-circuit 2+2 schematic, circuits 1 and 2 are distributed from two different phases from the first circuit panel and are supported with one shared neutral and one shared ground. Circuits 3 and 4 are distributed from a second circuit panel and supported by their own shared neutral and ground.

Single 3-Phase
Circuit Panel



On a single 3-phase circuit panel, all four circuits are distributed as shown.

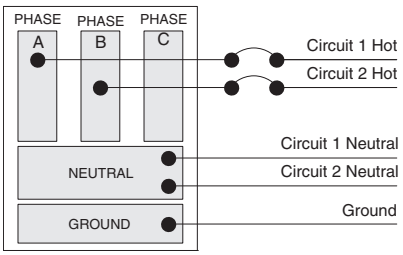
Split-Phase
Circuit Panel



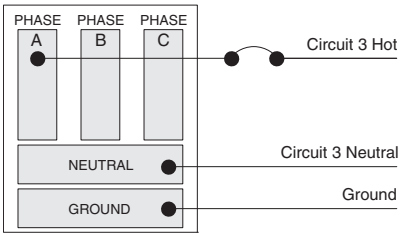
On a split-phase circuit panel, all four circuits are distributed as shown.

Three-Circuit, Separate Neutrals

Circuit Panel 1

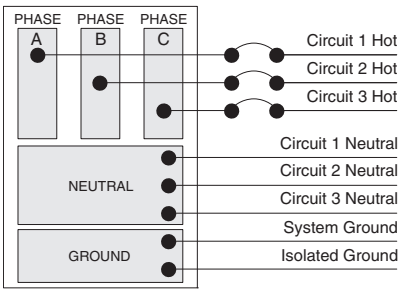


Circuit Panel 2



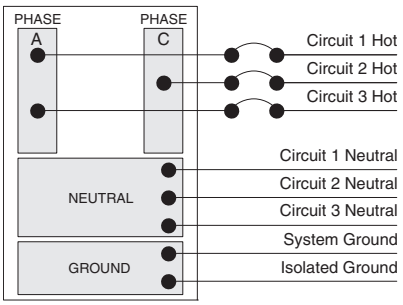
In the three-circuit, separate neutral schematic, circuits 1 and 2 are distributed from two different phases from the first circuit panel. Each circuit is supported with its own neutral and a common ground. Circuit 3 is distributed from the second circuit panel and is supported by its own neutral and 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.

If your usage is known in advance:
Add up the amperage used by each piece of equipment in the workstation. Whenever you reach 60 amps (20 amps times 3 circuits) from items that are likely to be used at the same time, you have reached the limit for a single power-in. Specify another power-in and continue until all equipment is powered.

If the circuits will normally be subject to a continuous load (three or more hours of continuous use, such as lights or computers), the NEC requires that circuit capacity be "de-rated" by 20 percent. Therefore, treat circuits used for continuous loads as if they were rated at 16 amps instead of the regular 20 amps.

Try to anticipate future increases in power requirements and build some excess capacity into your plan.
▶See table at right for typical and actual amperage usages for components.

To calculate amperage when the wattage of a device is known, divide watts by 120.

Some appliances, such as large copiers, coffee makers, or space heaters require most of the current available on a 20-amp circuit. It is recommended that such devices be supplied with their own receptacle/circuit, directly from the building. This leaves the capacity of the furniture circuits available for the more dynamic requirements of the office equipment.

Local electrical codes vary. Consult a qualified electrical contractor or engineer for the proper planning of electrical circuits in your locale.

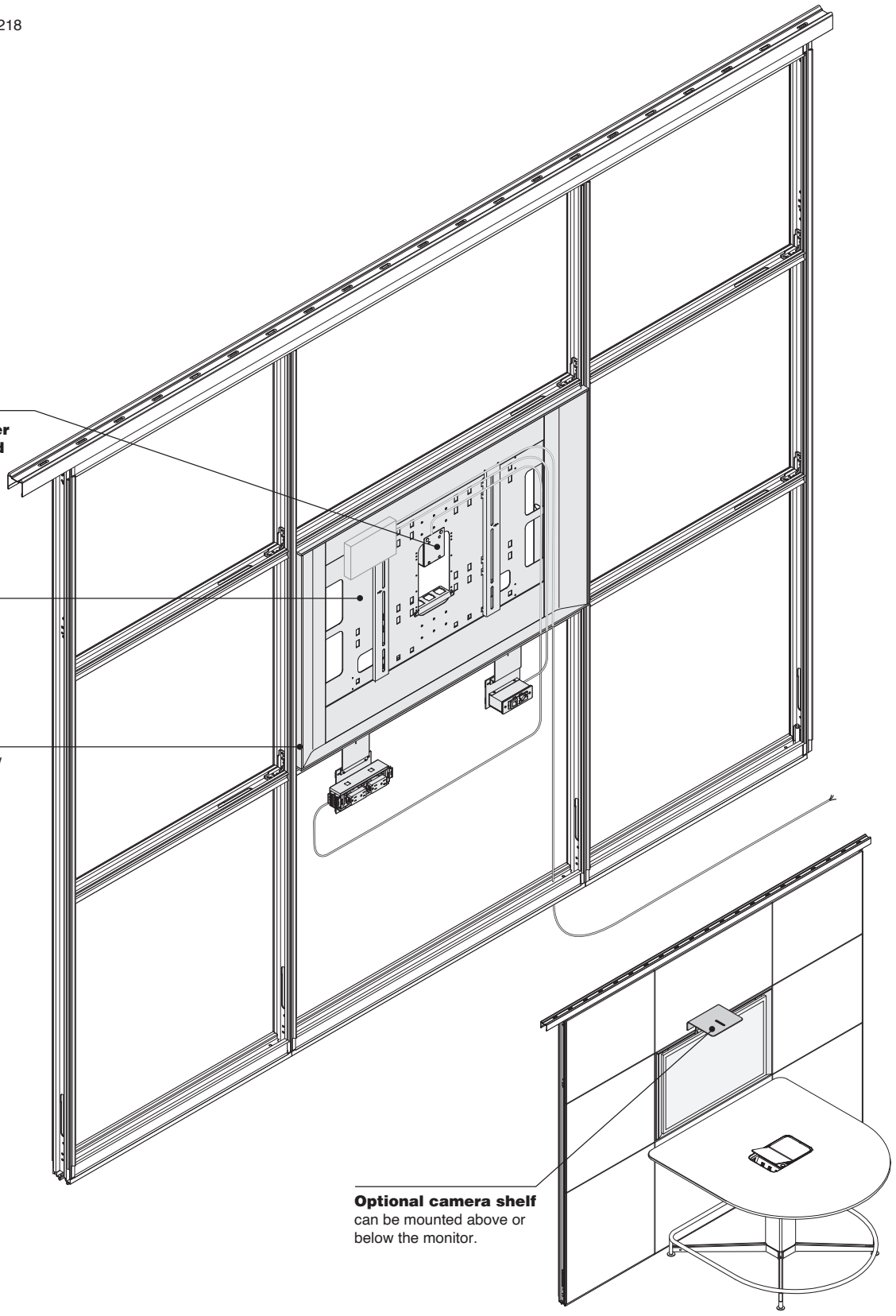
Approximate power consumption for common devices

• Device	• Wattage	• Amperage	• Voltage	• Number of Devices Supported on Single 20 Amp Circuit
Laptop (Low)	30	0.25	120	64
Laptop (High)	100	0.83	120	19
CPU/Desktop Computer (Low)	65	0.54	120	30
CPU/Desktop Computer (High)	150	1.25	120	13
Monitor (Low)	15	0.13	120	128
Monitor (High)	80	0.67	120	24
Phone	5	0.04	120	384
High Power Tablet	10	0.08	120	192
Lower Power Tablet	45	0.38	120	43
Desktop Printer	40	0.33	120	48
42" LCD Screen	120	1.00	120	16
Projector (Small)	50	0.42	120	38
Projector (Medium)	250	2.08	120	8
Projector (Large)	800	6.67	120	2
Desktop Lamp	20	0.17	120	96
Large Printer/Copier	1600	13.33	120	1
Small Printer/Copier	800	6.67	120	2
Paper Shredder (Small)	250	2.08	120	8
Paper Shredder (Large)	800	6.67	120	2
Desktop Fan	25	0.21	120	77
Standing Fan	125	1.04	120	15
Coffee Maker (Low)	500	4.17	120	4
Coffee Maker (High)	1500	12.50	120	1
Microwave (Low)	600	5.00	120	3
Microwave (High)	1000	8.33	120	2
Refrigerator (Low)	200	1.67	120	10
Refrigerator (High)	1500	12.50	120	1
Vacuum (Low)	200	1.67	120	10
Vacuum (High)	1500	12.50	120	1
Space Heater (Low)	400	3.33	120	5
Space Heater (High)	1500	12.50	120	1
Height-Adjustable Desk (Low Power Consumption)*	200	1.67	120	10
Height-Adjustable Desk (High Power Consumption)*	550	4.58	120	3

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.
** Refer to the* Height-Adjustable Desks Specification Guide *for specific product information.*

Technology Components

▶Specifying, pages 216–218



Monitor shroud power assembly with infeed

Monitor shrouds can be used in combination with media:scape components.

Monitor shrouds allow for the integration of display monitors within the face of a wall.

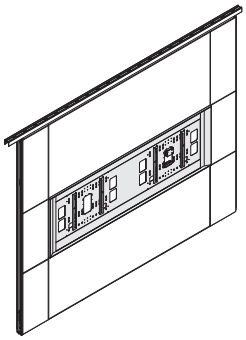
Optional camera shelf can be mounted above or below the monitor.

Product Details

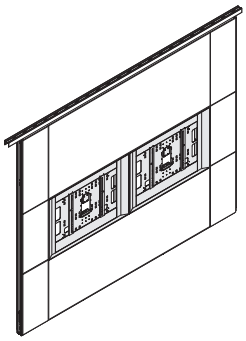
▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.

Monitor Shrouds

Monitor shrouds are available in a variety of sizes to accommodate different monitor sizes.

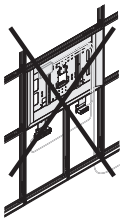


A double monitor shroud accommodates two monitors in a single shroud.

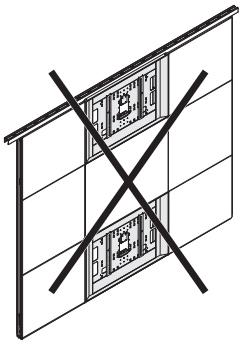


Single shrouds can be placed directly adjacent to one another.

Intermediate horizontals are included as part of the shroud assembly. Each horizontal has two cable routing holes.

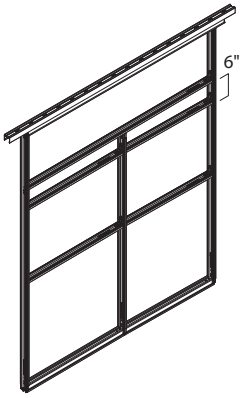


A post cannot be positioned under a shroud.

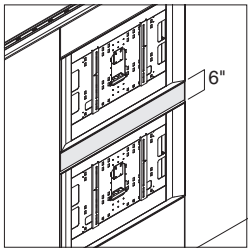


The monitor shroud cannot be positioned at the top or bottom position of the wall, for example, adjacent to the top or bottom structural horizontal.

A minimum 6" skin or 12" glass frame must be above a shroud.



Posts on either side of a monitor shroud must extend above the top of the shroud by at least 6".



Shrouds can be placed above one another as long as they are separated by a 6"H (minimum) skin.

A shroud cannot be positioned back-to-back with another shroud.

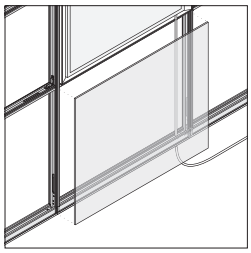
Monitor Shroud Planning Dimensions		Single/ Double	Monitor Diagonal Size Class	Monitor Width Minimum	Monitor Width Maximum	Monitor Height Minimum	Monitor Height Maximum
Width	Height						
34.5"	21.651"	Single	32"	25.26"	29.66"	12.90"	19.15"
42"	27.500"	Single	40-42"	32.76"	36.51"	18.79"	25"
48"	30.500"	Single	46"	38.76"	42.51"	21.79"	28"
54"	33.500"	Single	50-55"	44.76"	48.51"	24.79"	31"
60"	37.000"	Single	55-60"	50.76"	54.51"	28.29"	34.5"
63.5"	39.178"	Single	65"	54.26"	58.66"	30.42"	36.67"
70"	41.240"	Single	75"	60.76"	65.16"	32.49"	38.74"
80"	47.426"	Single	84"	70.76"	75.16"	38.68"	44.93"
89"	53.612"	Single	90"	79.76"	84.16"	44.86"	51.11"
96"	30.500"	Double	46-50"	86.76"	90.51"	21.79"	28.00"
103"	34.023"	Double	50-55"	46.88"	49.08"	25.27"	31.52"
120"	39.178"	Double	60-65"	55.38"	57.58"	30.42"	36.67"

Tip: The monitor diagonal size is for reference only. Refer to the actual monitor height and width dimensions to confirm compatibility.

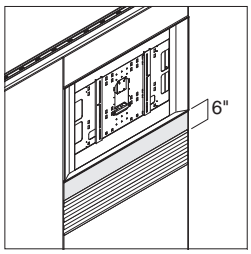
Monitor mounting brackets are included with the monitor shroud. The mounting brackets are compatible with the VESA (Video Electronics Standards Association) mounting interface standards, and will accommodate monitor hole patterns that follow this standard in the following sizes:

- 200 mm x 200 mm
- 200 mm x 400 mm
- 400 mm x 400 mm
- 200 mm x 600 mm
- 600 mm x 600 mm

Shrouds cannot be placed back-to-back with slatwall or back-painted glass.



At least one of the modules surrounding a shroud should be solid to allow for cable routing.



Monitor shrouds can be placed directly above or below a slatwall skin, as long as they are separated by a 6" minimum high skin.

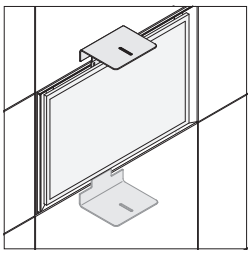
The monitor shroud is designed to support a maximum weight of 200 pounds.

The optimal mounting height for a monitor will depend on:

- the size of the monitor
- the proper viewing distance from the user (1½" – 3 times the monitor size)
- table height where users are seated
- if there is an "outfield"

In general, the following mounting heights are recommended for these settings:

- Lounge-height: 31" AFF (Above Finished Floor) minimum
- Desk-height: 34" AFF (Above Finished Floor) minimum
- Stool-height: 43" AFF (Above Finished Floor) minimum



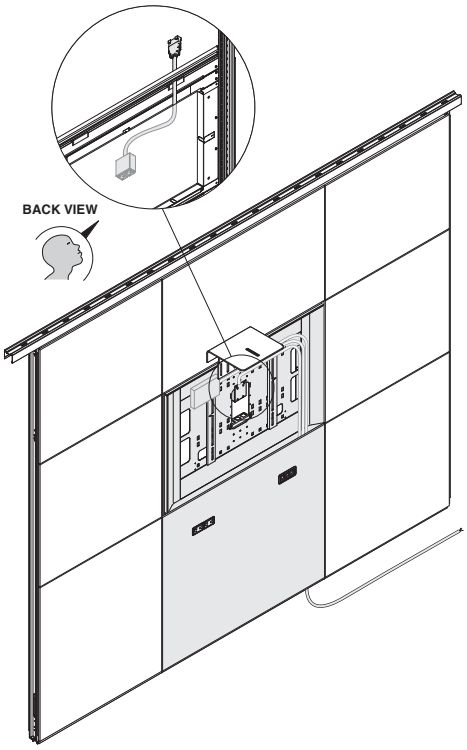
Optional camera shelf can be mounted above or below the monitor.
Tip: The recommended weight capacity of a camera shelf is 25 pounds.

Display monitors can be surface mounted to steel skins.
▶See *Hang-On Components,* page 94, for more information.

The camera shelf can be position anywhere along the top and bottom horizontal edge of the shroud.

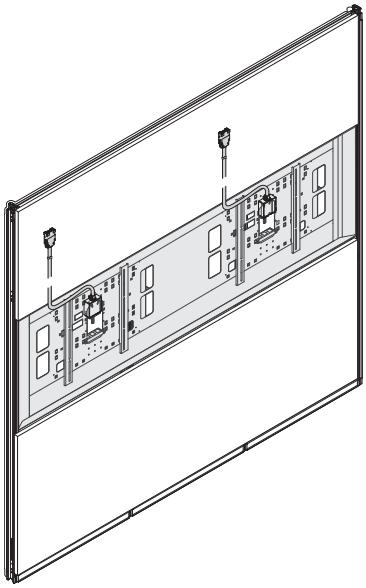
▶**Technology Components,** continued

Wiring and Cabling



Power and communication cabling is housed within the shroud. Cabling can be routed from the ceiling or the floor.

The shroud includes a power assembly with two simplex receptacles.



When specifying a double monitor shroud, a second power assembly should be specified to accommodate a camera (when a camera shelf is specified).

The power assembly can be electrified by using a modular power connector or a hardwire connection.

The infeed conduit on the power assembly is 12' long (for both modular and hardwire).

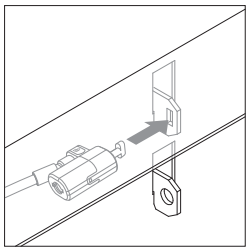
The modular power assembly is rated for 20 amps, and can be configured in any of three wiring schematics:

- 4 circuit 3+1
- 4 circuit 2+2
- 3-circuit separate neutrals

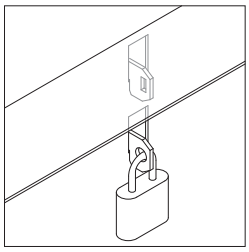
The power assembly connector is configured to connect to circuit 1.

If extra power receptacles are needed, an additional power assembly can be installed in a shroud by field drilling additional mounting holes.

The shroud assembly will include knockouts and data adaptors for three internal data jacks.



Kensington Lock
or



Padlock

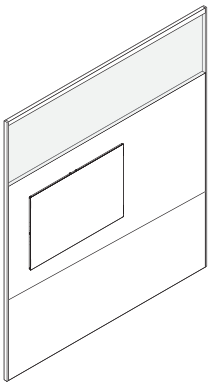
The shroud assembly will include fittings for security locks.

Surface Materials

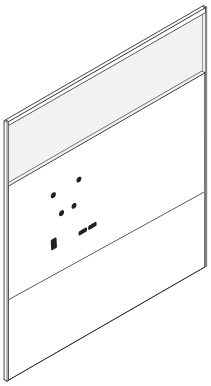
Monitor shroud

- 8043 Clear Anodized Aluminum
- Paint

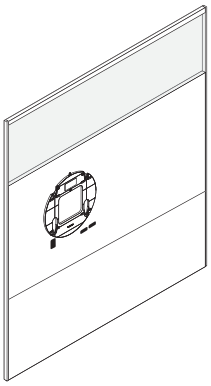
V.I.A. and Roam Single Wall Mount for Microsoft Surface Hub 2



Surface Hub 2, ordered separately, is surface mounted to solid skins of variable sizes and configurations.
▶See www.steelcase.com

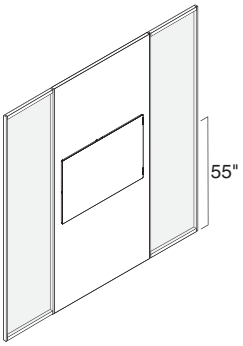


Solid skins can be specified with cutouts as required to support the application of the Surface Hub 2.



Skin cutouts include holes for installation of the Roam wall mount (ordered separately).

Solid skins can be specified with cutouts as needed to serve the application of the Surface Hub 2. Cutouts will include fastening holes for the mounting disk as well as cutouts for power and communication.



The recommended mounting height for the Surface Hub 2 is 55" to center.

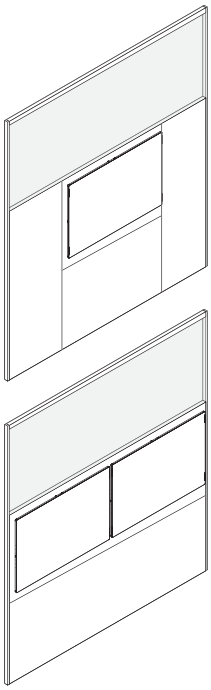
Surface Hub 2 can be applied to portrait or landscape oriented skins.

The Surface Hub 2 can be surface mounted to V.I.A. solid skins (steel, veneer, and laminate). Cutouts are not available on ceramic skins.

The weight of the Surface Hub 2 is supported by the skins. No additional internal structure is required (unless needed to facilitate electrical brackets).

Surface Hub 2 cable management cut-out will embed the four fastening holes for the Roam single wall mount. Other cutouts for power and communication will be positioned to remain hidden behind the Surface Hub 2 monitor using planning guides for electrical components.
▶See page 89

Surface Hub 2 cannot be mounted in a position that extends beyond the edge of the skin.



The Surface Hub 2 can be placed in a single application as well as a side by side configuration on a single, landscape oriented skin.

A single skin can be configured with up to two sets of Surface Hub 2 cutouts (in landscape orientation), depending on the skin width.

The Roam single wall mount for Surface Hub 2 is only orderable through your A/V partner, not through Steelcase.
▶See *www.steelcase.com*

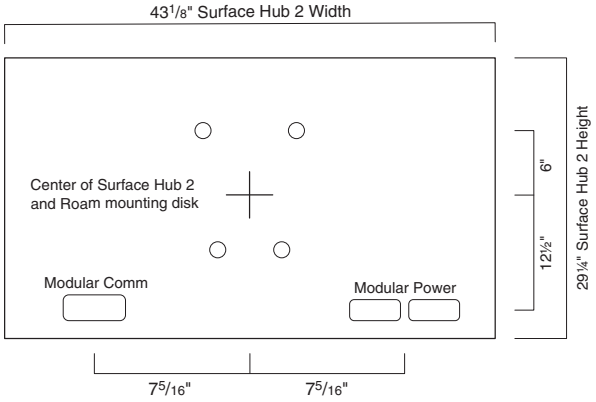
The Surface Hub 2 is not compatible with V.I.A. monitor shrouds.

When mounted on V.I.A., the Surface Hub 2 does not project more than 4" from the surface of the wall, complying with building code guidelines for protrusion into the circulation path.

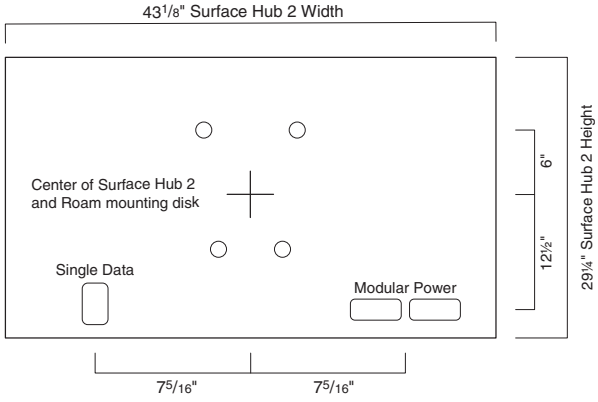
Existing skins can be field cut to retrofit a Surface Hub 2. New intermediate horizontals may be required for power and data cutouts. *Tip: See configuration matrix for minimum skin sizes.*

Cutouts for Surface Hub 2 can be specified in four different configurations depending on wall planning requirements and power and data needs for the specific Surface Hub 2 application.

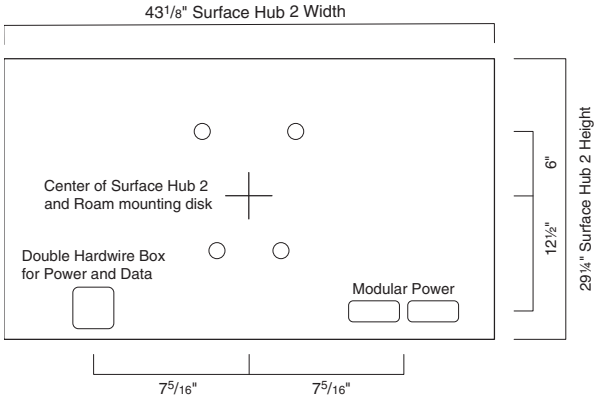
Power and data cutouts are positioned to be hidden by the Surface Hub 2.



Modular power and modular data

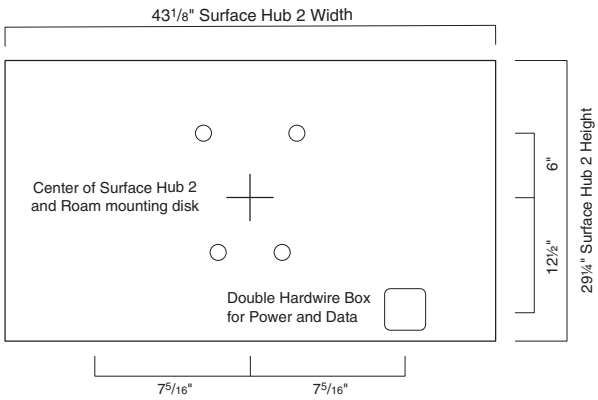


Modular power and single data – no box



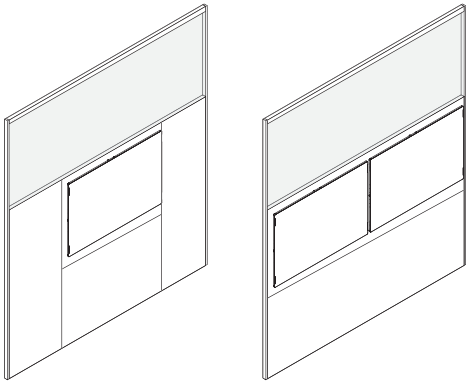
Modular power and double hardwire box

▶**Technology Components,** continued



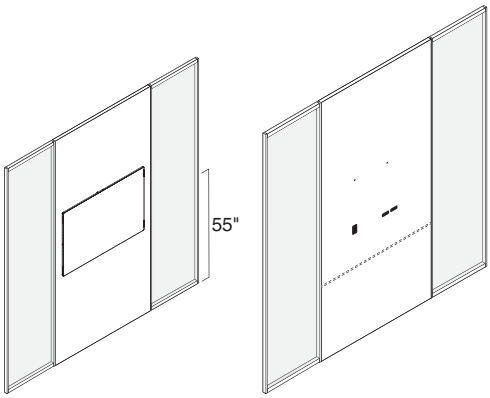
Double hardwire box for shared power and data

The centerline of the Roam single wall mount fastening holes aligns with the centerline of the Surface Hub 2.

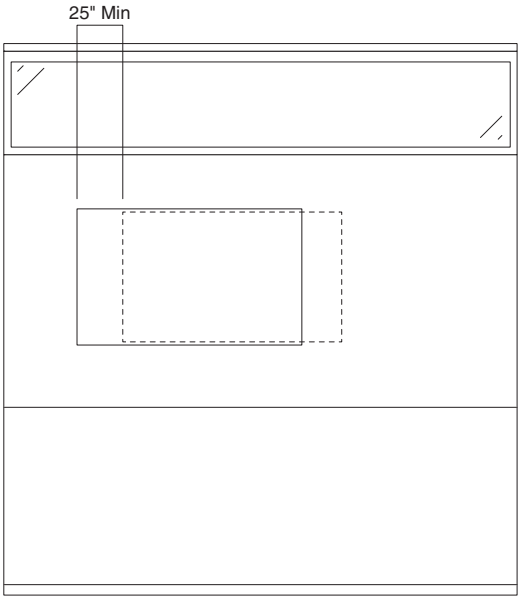


The minimum planning dimensions for skins with Surface Hub 2 cutouts vary based on skin type and Surface Hub 2 configuration.

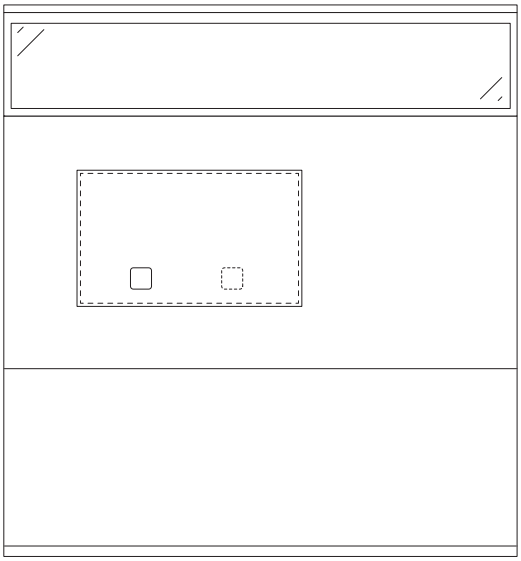
Skin Type	Surface Hub 2 Configuration	Minimum Plan Width	Minimum Plan Height
Steel and Laminate	Single	46"	36"
Veneer	Single	51"	42"
Steel and Laminate	Side by Side	89"	36"
Veneer	Side by Side	94"	42"



Intermediate horizontals are added as needed to accommodate electrical cutouts.



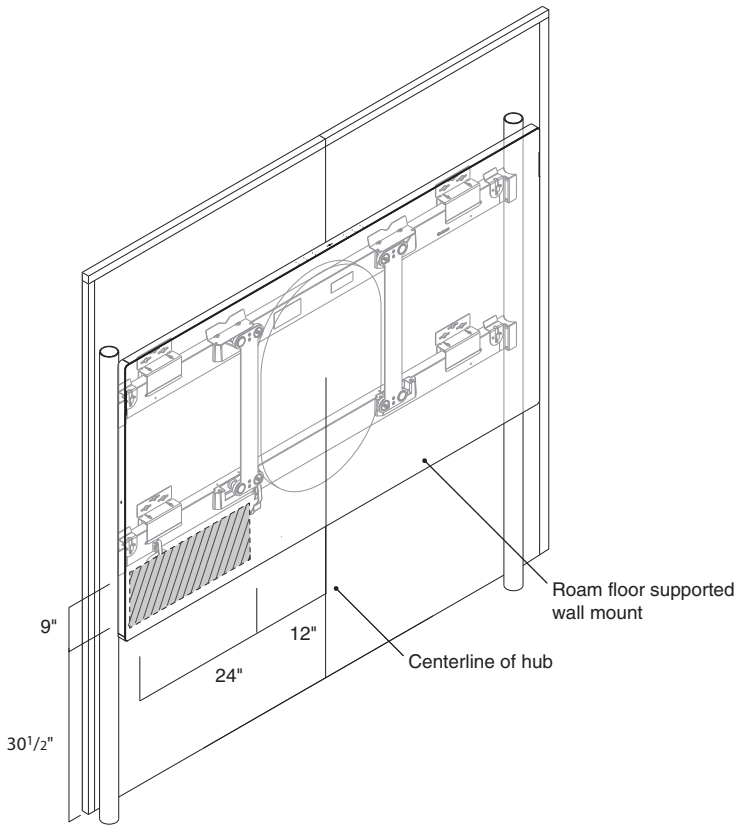
When positioning two of the Surface Hub 2 products with modular power on opposing sides of a wall, they must be offset by at least 25".



When using a double box for shared power and data, two Surface Hub 2 products can directly align in back to back applications.

85" Microsoft Surface Hub 2 can be mounted to V.I.A. solid wall using the Roam floor supported wall mount.

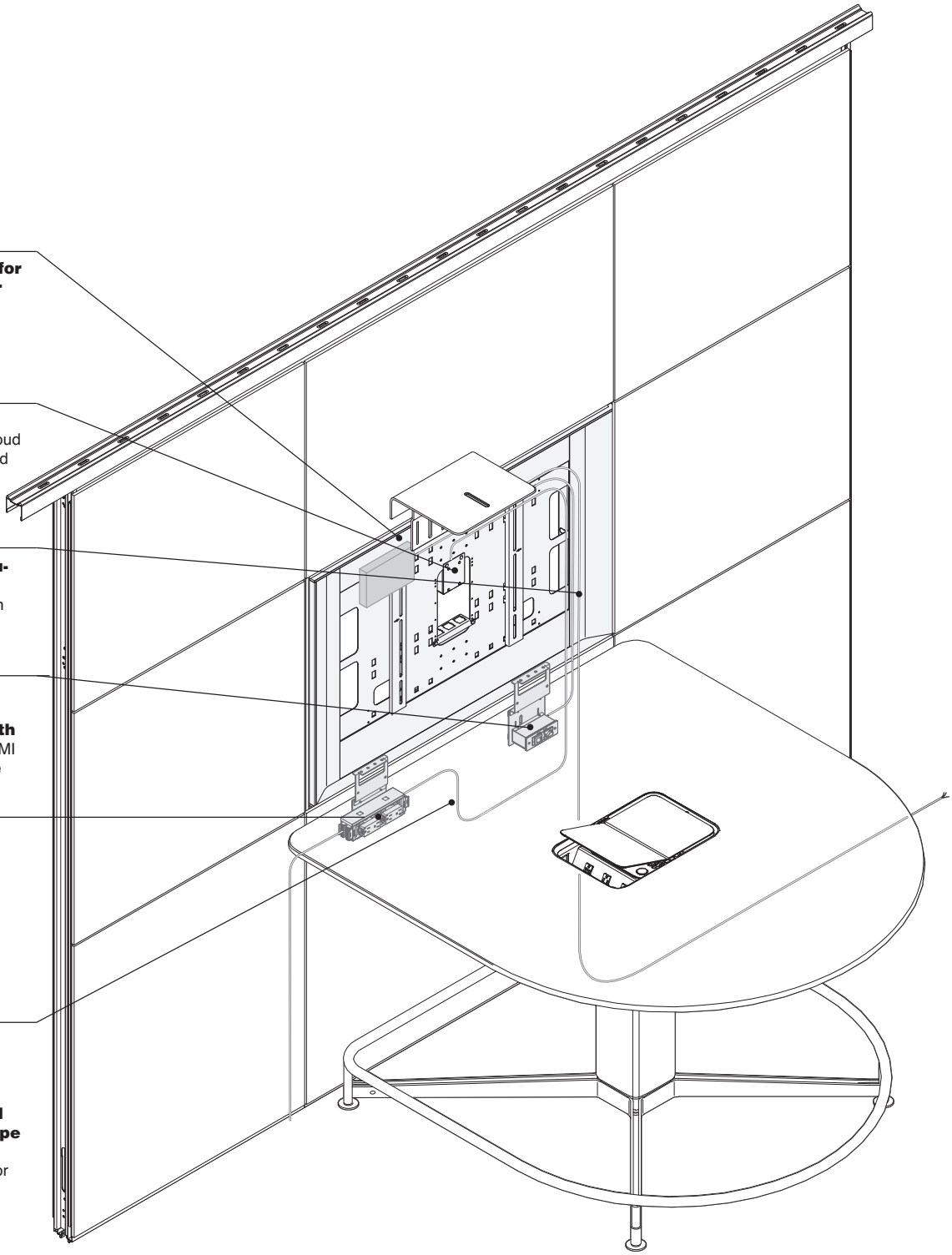
Mounting hardware can be fastened directly to solid skins.



It is recommended to place power receptacles in this 24"W x 9"H high zone as shown above.

Roam floor supported wall mount is available through Microsoft authorized device resellers.

V.I.A. and media:scape Tables—Wiring and Cabling



Internal clearance for media:scape scaler behind monitor shroud

Internal power assembly behind shroud for powering monitor and camera

Data connector/coupler from media:scape scaler to communication faceplate

Modular communication faceplate or NEMA faceplate with hardwire box for HDMI cable from media:scape switcher

Modular power for media:scape switcher.

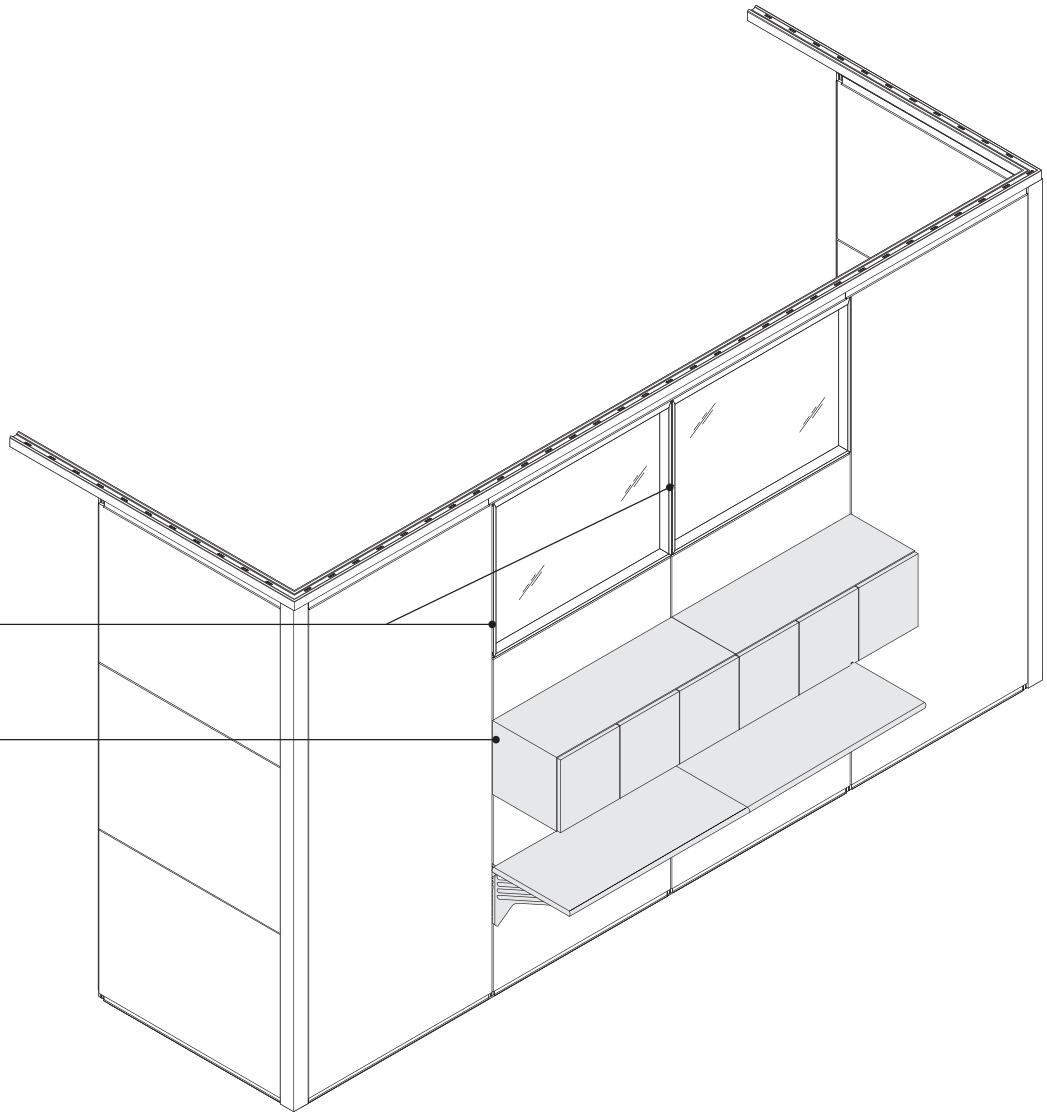
CODEC, if required, is installed in ceiling or switch closet.

Power assembly infeed for monitor shroud

Scaler, CODEC, and all other media:scape components are not included with the monitor shroud.

Hang-On Components

V.I.A. is designed to support Steelcase worksurfaces and hang-on storage components.

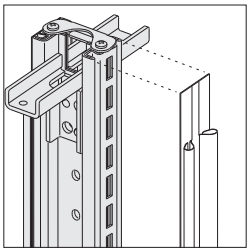


Posts that support hang-on components must extend to the ceiling.

All structural posts are slotted and configured for Steelcase hang-on mounting brackets and worksurface support brackets.

Product Details

▶See *V.I.A. Planning Dimensions,* page 103, for important information regarding dimensional references for all V.I.A. components.

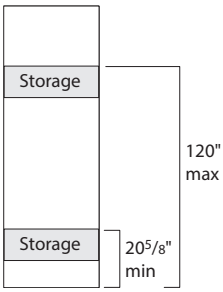


V.I.A. posts are slotted to receive brackets for hang-on storage components.

When planning with furniture to be mounted to slots, V.I.A. wall modules should be configured to the same width as the furniture.
Tip: Off-module brackets can be used to mount bins and shelves to wall modules that are no more than 12" smaller than the bin.
▶See *Storage Specification Guide* understanding pages for more information.

A single post can support up to ten hang on components.

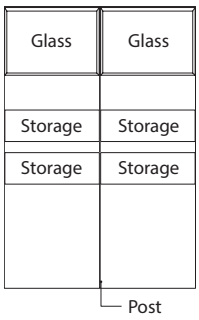
A maximum of five components can be loaded per side of each module.



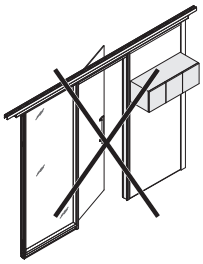
Components can be mounted at any vertical position on the wall between 120" and 12⅜" AFF (Above Finished Floor), at increments of 1.03". The minimum height will depend on the height of the cabinet.

Minimum Mounting Height	
Universal Sliding Door Bins	19 11/16"
Universal Over the Case Bins	19 11/16"
Universal In the Case Bins	19 11/16"
Universal Curved Front Bins	18 11/16"
Universal L-Shelves	18 11/16"
Elective Elements - Single-High Overhead Cabinets	18 11/16"
Elective Elements - Organizer	11⅛"

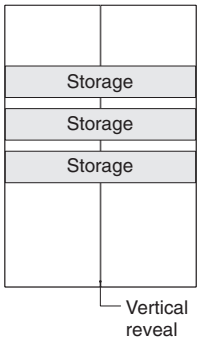
When planning with V.I.A. on low profile floor, wall-mounted components cannot be mounted on the wall due to load limitations on the floor.

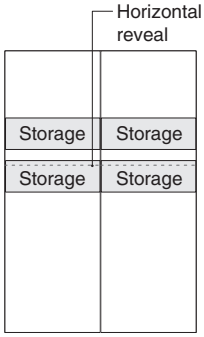


Posts that support hang-on components must extend to the ceiling.

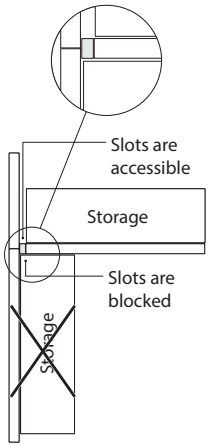


Hang-on storage components should not be mounted in a wall directly adjacent to a door frame (reversible or sliding).

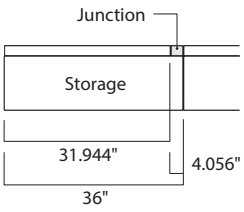




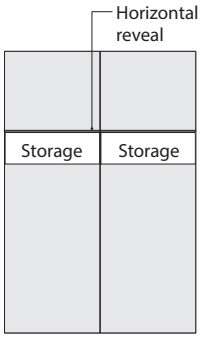
Hang-on components, except for Elective Elements, can span vertical reveals. All components can span horizontal reveals.
Tip: When planning for Elective Elements hang-on components, the skin width should be the same dimension as the component width.



Hang-on components cannot be mounted at an inside corner when using a T adapter, as slots are not accessible.

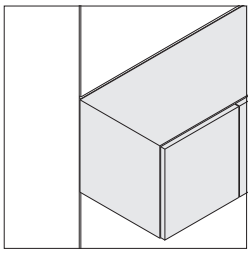


Hang-on components can span junctions. Allow for 4.056" when planning for the adjacent skin width.



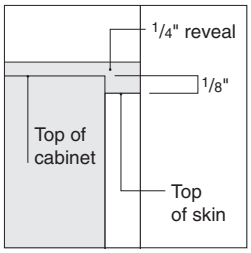
When using segmented skin configurations, skins can be planned so that the reveals will orient to the top of the hang-on unit.

When mounting two or more cabinets side by side, ganging straps are required.

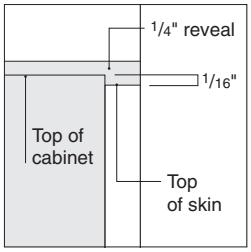


Universal Sliding Door Bins with sliders, Over the Case Bins, In the Case Bins, and Elective Elements bins will align exactly with the top of the skin. Other components will be offset slightly.

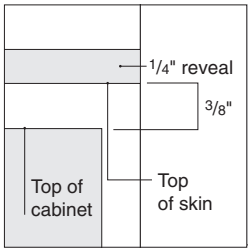
▶**Hang-On Components,** continued



Universal Curved Front Bin



Universal L-Shelf



Elective Elements organizer and Open Shelf

The use of hang-on storage has no negative effect on acoustic performance.

Hang-on components can be mounted adjacent to mini ends and door frames, providing they do not interfere with the operation of the door.

Since most hang-ons are not designed to be viewed from the back, it is not recommended to mount hang-ons over glass frames, except for backpainted glass.

Pattern and etched glass may obscure the backs of the cabinets, but may still allow visible shadows.

When planning in a seismically active areas, consult with a structural engineer before considering the use of V.I.A. mounted hang-ons.

Hang-on components that are designed with V.I.A. compatible brackets include:

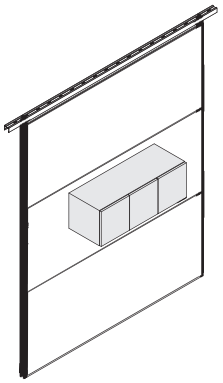
- Universal Sliding Door Bin
- Universal Sliding Door Bin —Wood
- Universal Over the Case Bin, Flat
- Universal Over the Case Bin, Radius
- Universal In the Case Bin, Flat
- Universal In the Case Bin, Flat —Wood
- Universal Curved Front Bins with Steel and Wood Doors
- Universal Vertical Off-Module Bracket
- Elective Elements Single-High Overhead Cabinets with Hinged Doors (15" deep)
- Elective Elements Single-High Overhead Cabinets with Sliding Doors (15" deep)
- Elective Elements Single-High Overhead Cabinets—Open (15" deep)
- Elective Elements Organizer Shelves with Dividers (15" deep)
- Elective Elements Open Shelves (15" deep)
- Wall-Mounted Folio

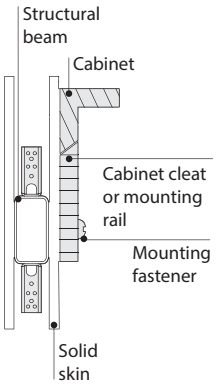
▶See corresponding specification guides for further information.

Convey wall suspended cabinets can be hung on V.I.A. walls using structural beams. Maximum post spacing when mounting Convey is 48".

▶See *Steelcase Health Specification Guide Volume 2.*

Structural Beam





Structural beams are used to provide internal reinforcement in those applications where surface mounted storage is desired.

▶Specifying, page 125

In some cases the preferred technique for mounting furniture is by fastening through a solid skin. In those cases, a structural beam is specified to provide internal reinforcement to support the weight of the cabinet.

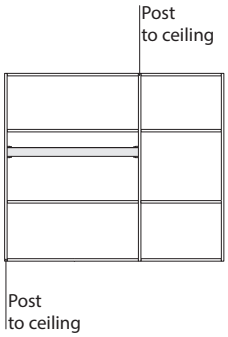
Structural beams are used when mounting Convey suspended cabinets.

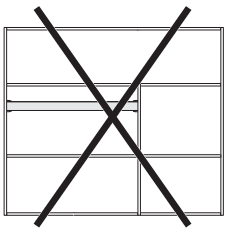
▶See *Steelcase Health Specification Guide Volume 2.*

The weight of the cabinet is entirely supported by the structural beam and the adjacent structural framing components. There is no weight applied to the skin itself.

The structural beam provides the necessary reinforcement to receive fasteners as recommended by the cabinet manufacturer. All required holes are drilled into the skin and beam by the installer, as defined by the cabinet manufacturer.

Structural beams are parametric in width, with a minimum planning width of 12", and a maximum planning width of 120". The structural beam height is 4".





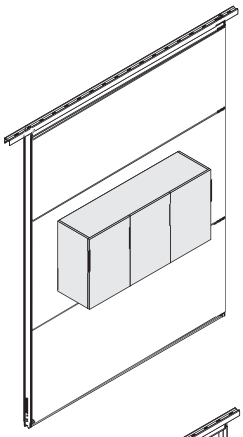
Posts that support a structural beam must extend to the ceiling.

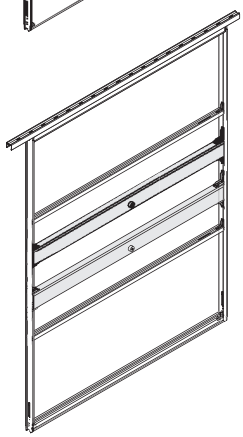
Structural beams can be used to mount onto steel, laminate, or veneer skins.

Structural beams can only be placed behind solid skins on both faces. They cannot be placed adjacent to slatwall or backpainted glass.

No power can be routed vertically through a structural beam.

The mounting height of the structural beam is determined by the relative height of the mounting rail and the cabinet.





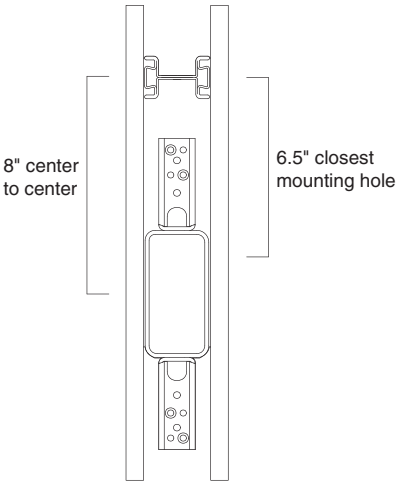
When the cabinet requires two mounting rails, two structural beams must be used accordingly.

Structural beam is positioned in 1.23" increments above the floor.

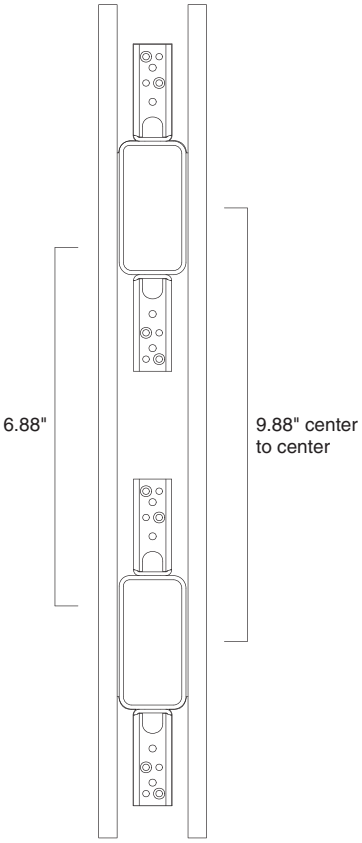
Cabinets can be mounted from both faces of a structural beam.

Structural beams can be mounted adjacent to one another, sharing the same post.

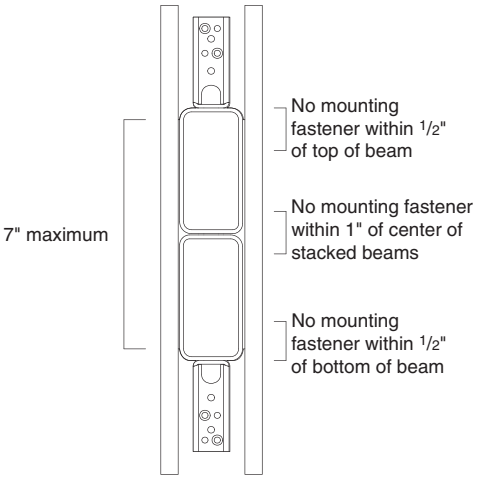
Structural beam can be no closer to the ceiling than 13.5" (to centerline of beam).



Structural beam must be positioned at least 8" away from an intermediate horizontal (center to center). The fastening points for the mounting rail can be no closer than 6.5".

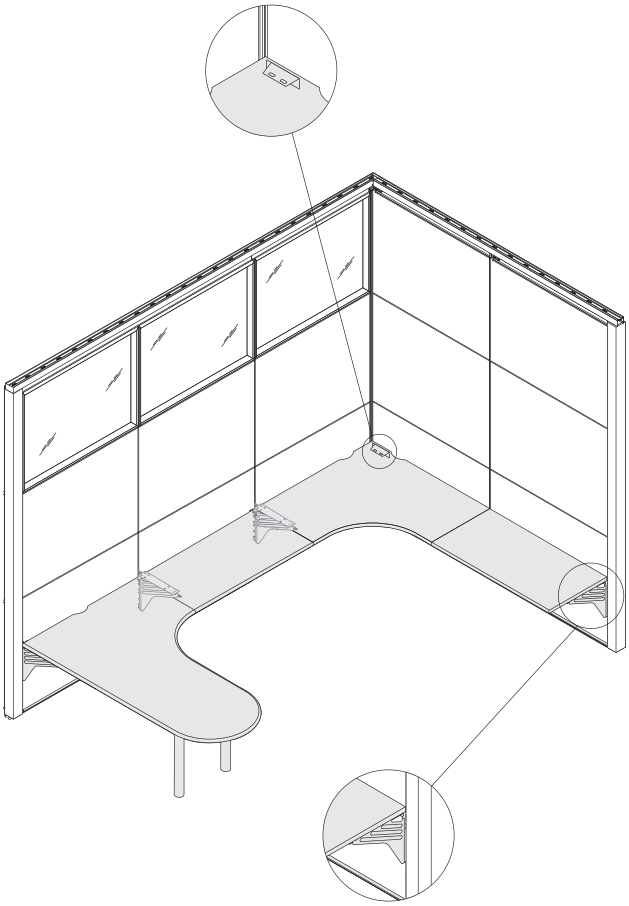


When mounted individually, two structural beams can be positioned no closer than 9.88" to one another (center to center). The fastening points for the mounting rail can be no closer than 6.88".



Two structural beams can be stacked together prior to mounting, creating an 8" high beam. If vertical distance between two fastening points is between 3"–7", use two stacked beams.

Universal Systems Worksurface Supports



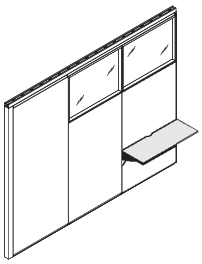
V.I.A. compatible cantilever brackets (VUCANT) and side support brackets (VUSSBR) are specifically designed to integrate with V.I.A.'s post and reveal. Universal worksurfaces can be mounted to V.I.A. walls using these supports.

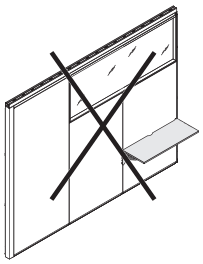
▶See the *Answer Solutions Specification Guide* for a full listing of available worksurfaces.

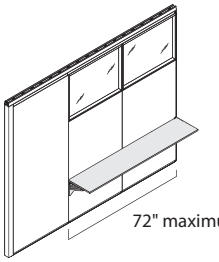
▶**Hang-On Components,** continued

Universal worksurfaces are not parametric. When applying worksurfaces to V.I.A., wall module sizes should be planned to correspond to the worksurface width.

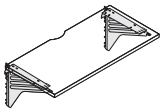
V.I.A. walls do not require the use of return panels to properly support wall mounted worksurfaces.



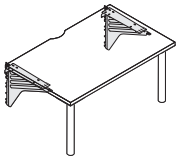




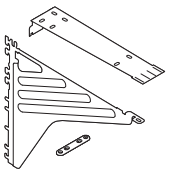
V.I.A. posts which support worksurface brackets must extend to the ceiling.



24" deep worksurfaces: Can be properly supported by cantilever brackets alone, or a combination of cantilever and side support brackets, pedestals, legs (post, open loop, or closed loop), and 1.5H storage with intermediate support.

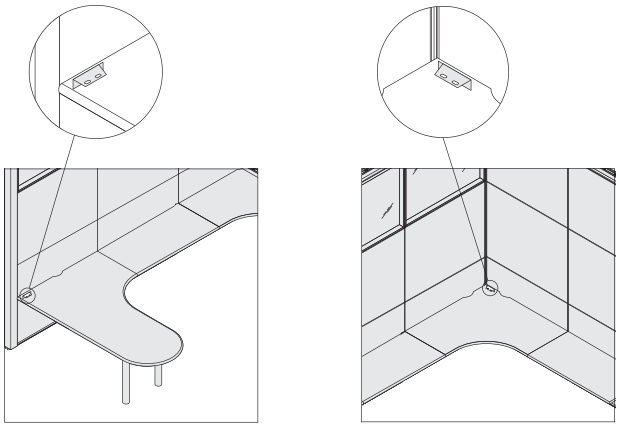


30" deep worksurfaces: In addition to cantilevers, straight and transition worksurfaces require additional floor support along the front edge at each end, such as side support brackets, pedestal, or post leg.

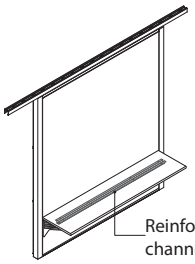


Cantilevers support worksurfaces at any height in 1" increments. Cantilever is non-handed and can be used to support either end of a worksurface, or shared to support two worksurfaces at the same height simultaneously. One tie plate ships with each cantilever.

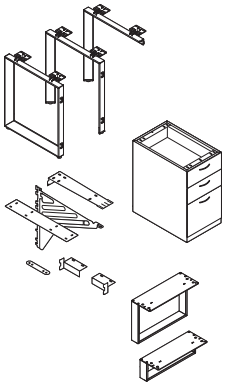
Side support brackets support worksurfaces at any height in 1" increments. Brackets ship as a left-hand and right-hand pair and are ordered separately.



Single side support brackets can be used to support the user's side rear corner of bullet peninsula, or the rear corner of a corner worksurface.

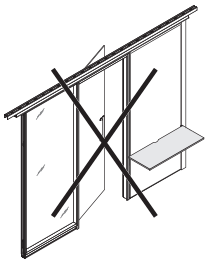


Long worksurface spans must be supported with cantilevers, pedestals, legs, or other supports at least every 54". Reinforcing channel (TS7WKSPT) allows the distance between supports to be increased to 60" for worksurfaces that will be heavily loaded, or up to 72" for worksurfaces with lighter expected loads. Reinforcing channel must be specified separately.
▶See the *Answer Solutions Specification Guide.*



In addition to wall supported applications with cantilevers and side supports, worksurfaces can also be positioned adjacent to V.I.A. walls by specifying other components such as:

- Closed loop
- Open loop
- Half loop
- Intermediate support
- Support plate
- Columns or legs
- Pedestals without fillers



Cantilevered work-surfaces should not be mounted in a wall with a door frame (reversible or sliding).

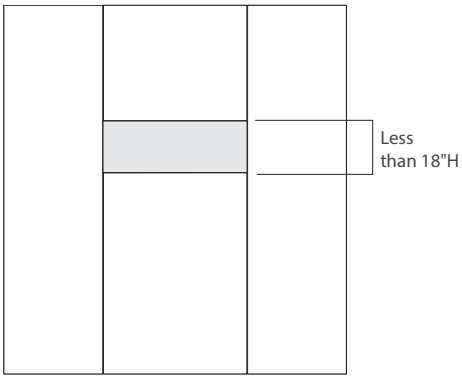
In certain sizes and configurations, display monitors can be surface mounted to solid skins (steel, laminate, or veneer) without the need for internal reinforcement. The following guidelines are based on an overall monitor projection of 4" or less.

Surface mounting in this manner will result in holes in the skin. Monitor shrouds are recommended as the primary means of monitor integration whenever possible.

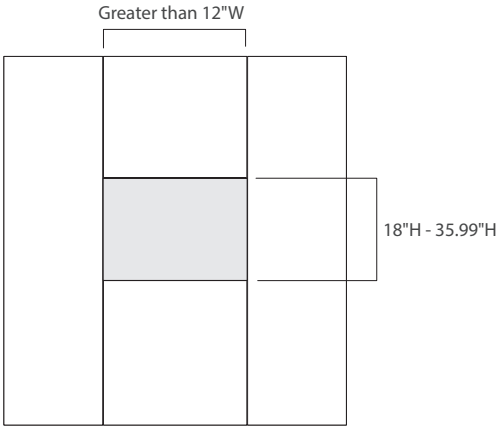
Monitor Maximum Weight			
Skin Height	**Skin Width Restriction**	**Maximum Monitor Weight**	**Classification of Monitor Mounting Brackets**
6"–17.99"	N.A.	N.A.	N.A.
18"–35.99"	Must be > 12"	50 lb	50 lb or less
36"–120"	36"–120"	150 lb	150 lb or less

Surface mount monitors to solid skins (steel, laminate, or veneer) (maximum 4" projection).

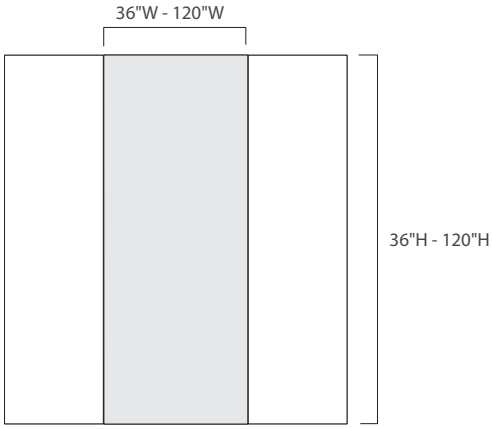
Mounting bracket should not be positioned closer than 6" to edge of skin.



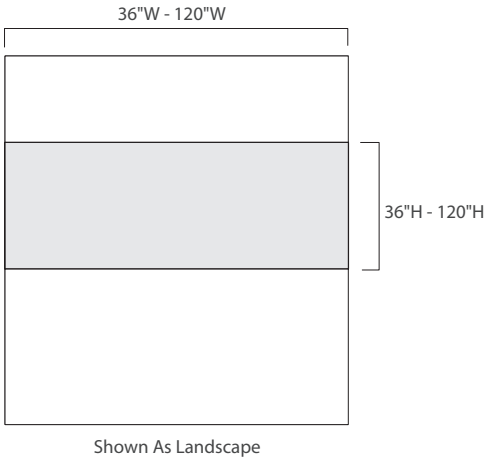
If skin height is less than 18"H, no surface mounting is allowed.



If skin height is 18"H–35.99"H and width is greater than 12"W, surface mounting is allowed up to 50 pounds.

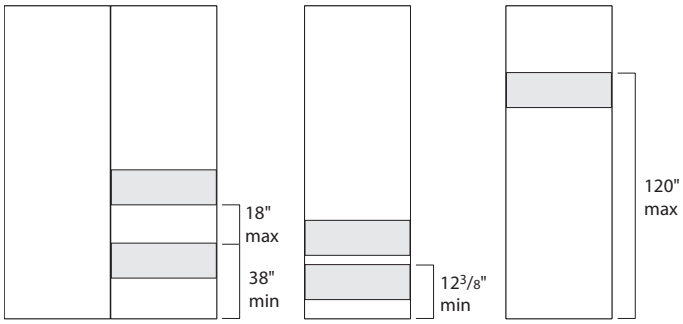


If skin height is 36"H–120"H and width is 36"W–120"W, surface mounting is allowed up to 150 pounds.



If skin height is 36"H–120"H and width is 36"W–120"W, surface mounting is allowed up to 150 pounds.

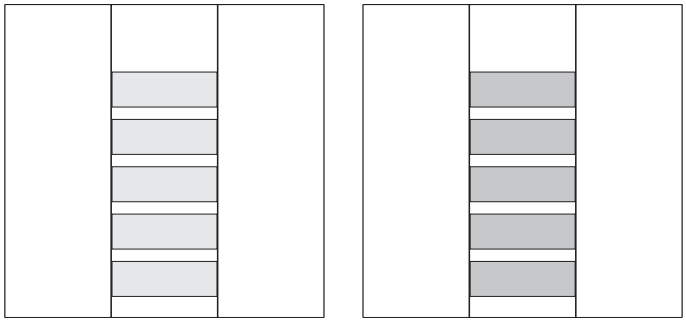
Loading and Stability Guidelines

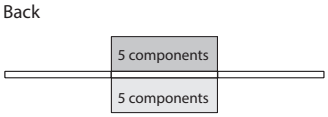


A cabinet cannot be positioned below 38" unless there is a cabinet above it within 18".
Minimum mounting height is dependent on cabinet type.
▶See *Hang–On Components,* page 80

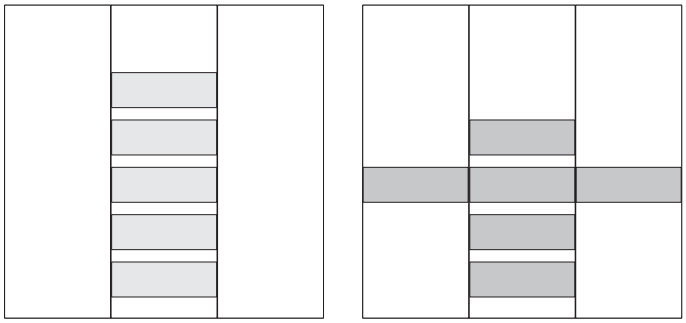
Tip: No more than ten components, storage or worksurfaces, can be loaded on a single post.

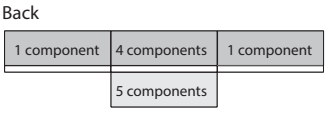
Example 1:



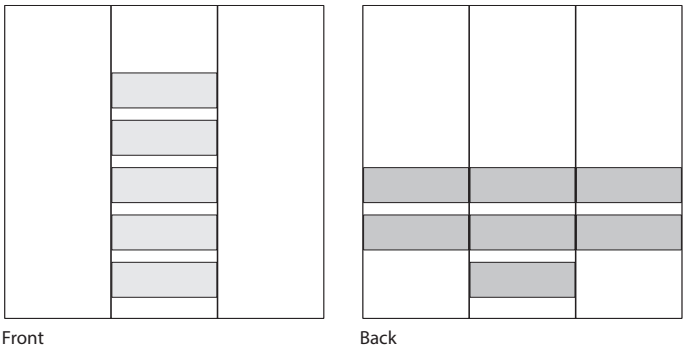


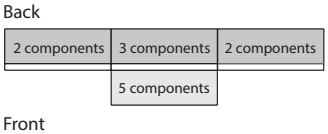
Example 2:





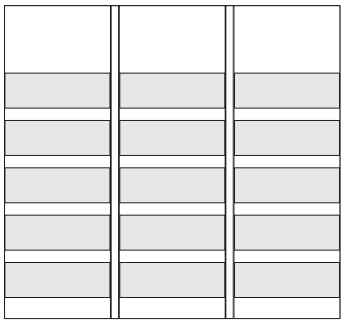
Example 3:



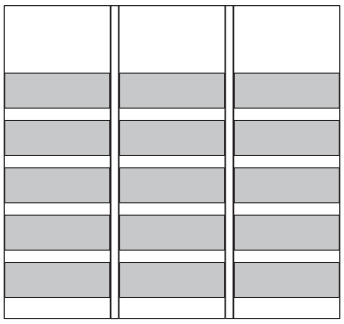


Tip: The maximum hang-on capacity on a given wall can be increased by using 180° junctions between modules to reduce the load on each post.

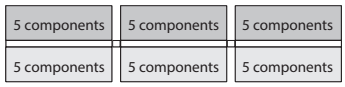
Example 1:



Front

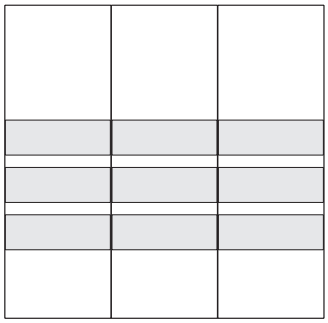


Back

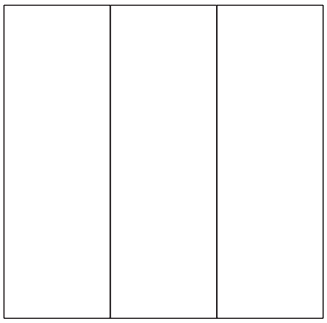


Tip: Components must be mounted in a manner where the load difference per module from one side of the wall to the other does not exceed three components.

Example 1:

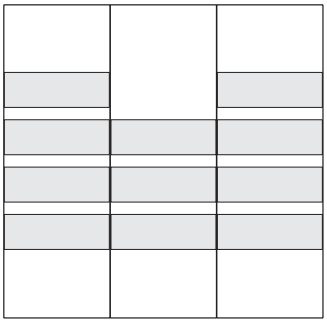


Front

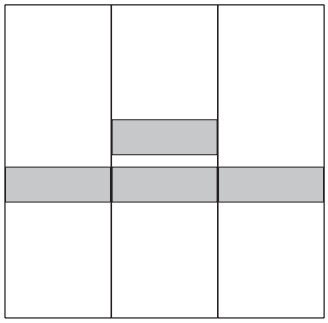


Back

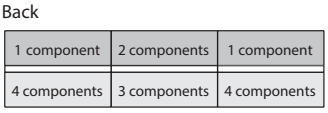
Example 2:



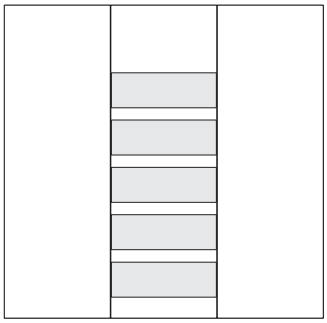
Front



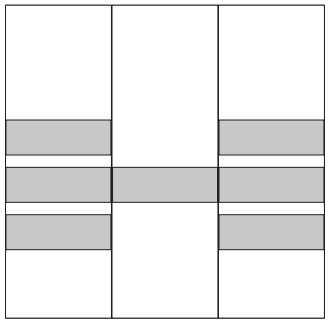
Back



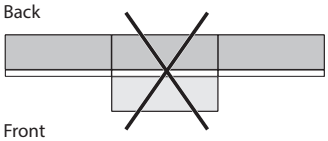
Example 3:



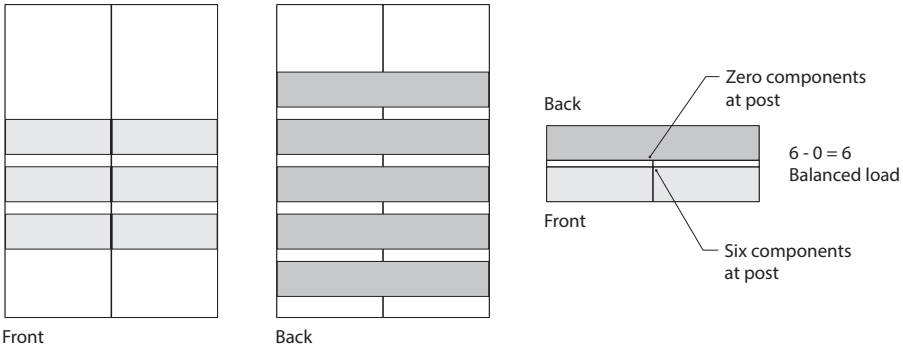
Front



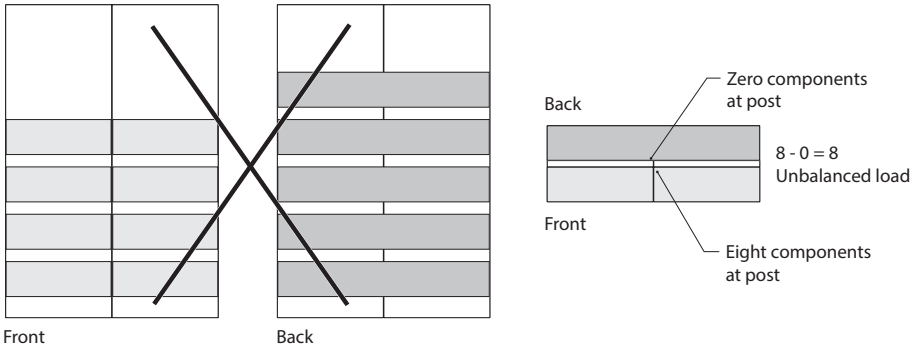
Back



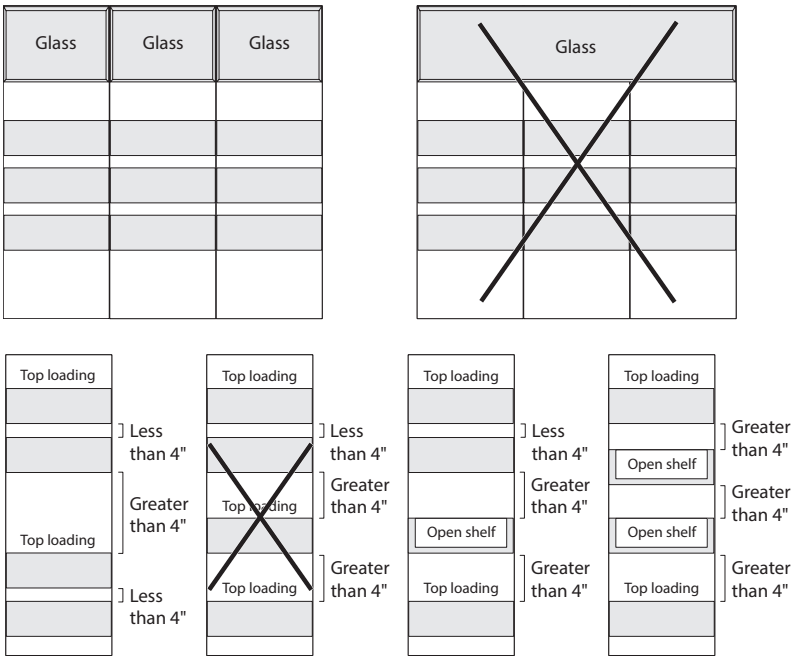
Example 4:



Example 5:



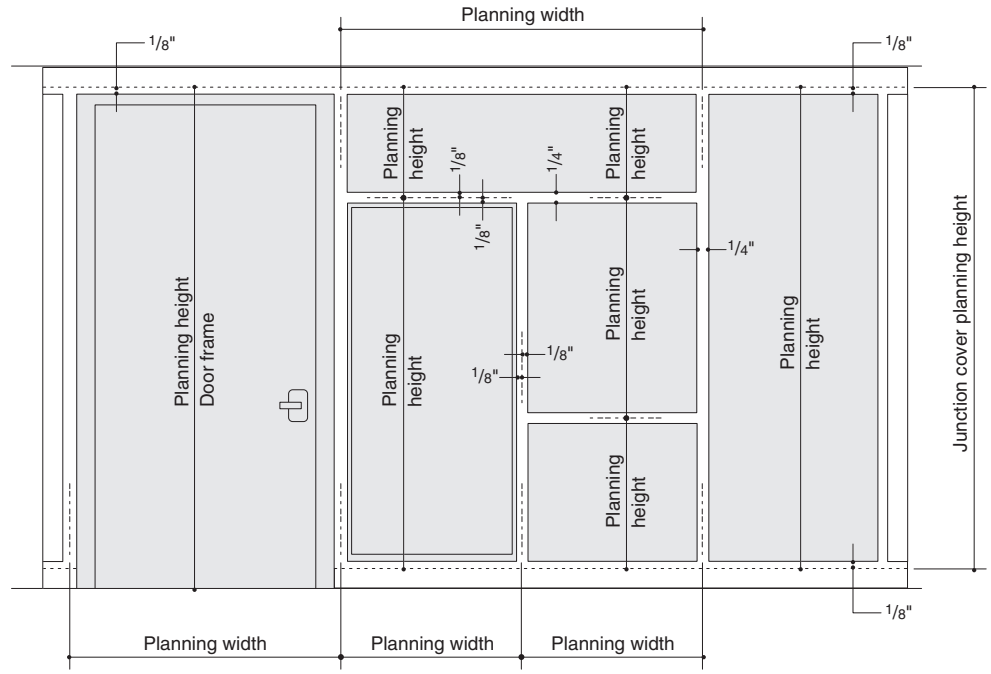
Tip: Posts that support hang-on components must extend to the ceiling.

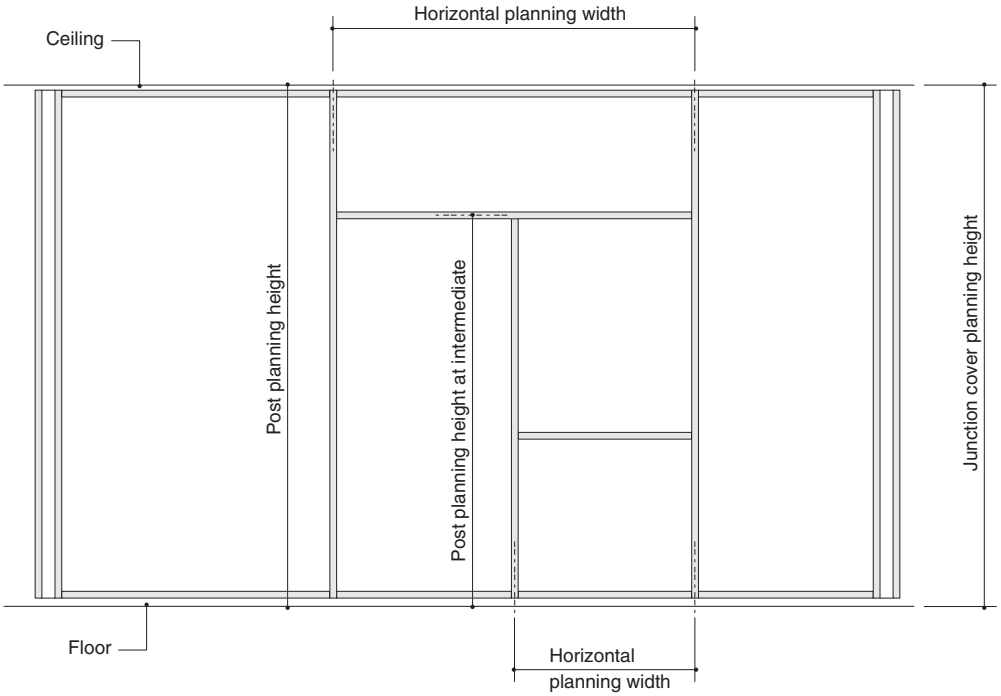


When planning for hanging cabinets with closed tops, no more than two cabinets can be positioned to allow for top loading. Cabinets must be within 4" of each other to limit top loading.

V.I.A. Planning Dimensions

Many of the dimensional planning references for V.I.A. are established based on the position of the skin and frame reveals. To help define component dimensions in this frame of reference, V.I.A. components are specified in the context of planning dimensions, which often use virtual centerlines as a reference point. These planning dimensions are referenced in acknowledgements and other order management documents. The drawing below shows the relationship between planning dimensions, the actual component size, and the correlation to floor and ceiling.

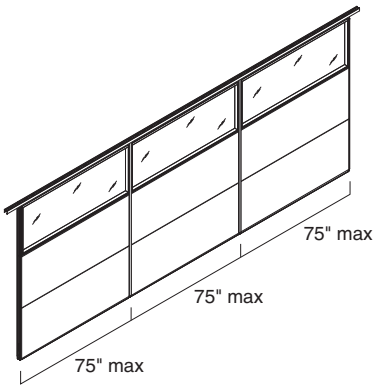




Planning with Landscape Oriented Components

When skins or captured glass frames are more than 60" wide, they are considered to be in landscape orientation.

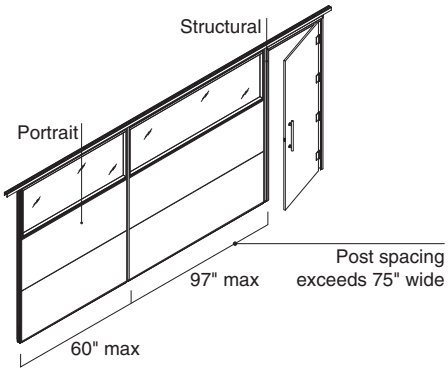
As part of a landscape oriented wall application, planning modules with posts that are positioned no more 75" apart can be applied without any limitation consideration as related to the need for primary structural assemblies or wall length.



Once the post spacing exceeds 75", additional planning elements such as primary structural assemblies and/or portrait oriented modules are required.

The maximum width of a landscape oriented skin or captured glass frame, and the manner in which in can be configured with other components within a wall assembly, are influenced by:
- The ceiling height
- The positioning of intermediate horizontals
- The adjacent components

Tip: The additive elements and respective maximum dimensions are defined in the Landscape Planning Matrices *on page 109.*



A portrait oriented module includes posts that are spaced no more than 60" apart.

Primary structural assembly can be any of the following:
- Junction (angle or 180°)
- Adapter
- Bypass
- Door frame (reversible or slider, full height or transom height)
- Mini end (anchored)
- Finished end

Posts that are intermediate height (top mount is not at the ceiling) do not provide support as applied to landscape planning guidelines.
Tip: When the ceiling height exceeds 10'-0", posts cannot be spaced more than 48" apart.

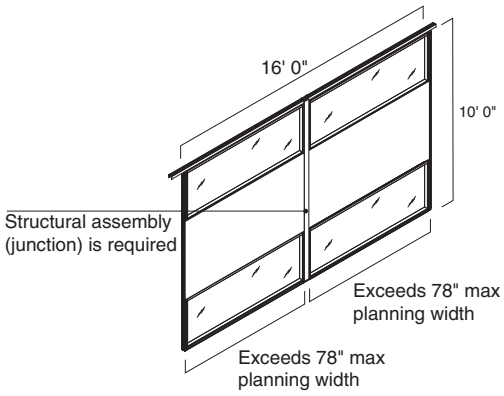
When skins or captured glass frames are more than 60" wide, they are considered to be in landscape orientation.

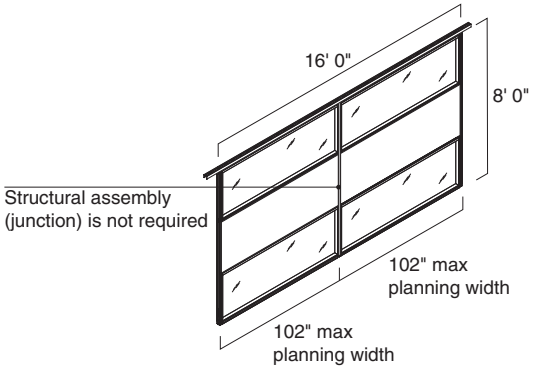
The maximum width of a landscape oriented skin or captured glass frame, and the manner in which in can be configured with other components within a wall assembly, are influenced by:

- The ceiling height
- The positioning of intermediate horizontals
- The adjacent components

Maximum allowable planning width increases as ceiling heights decrease.

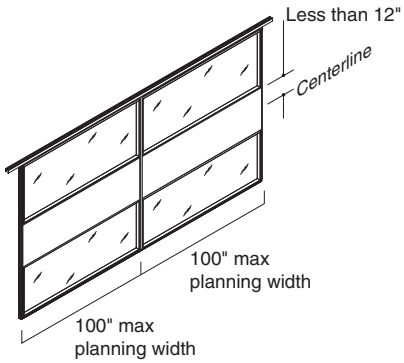
These two examples show how the maximum allowable planning width will increase as the ceiling height decreases from 10'-0" to 8'-0".

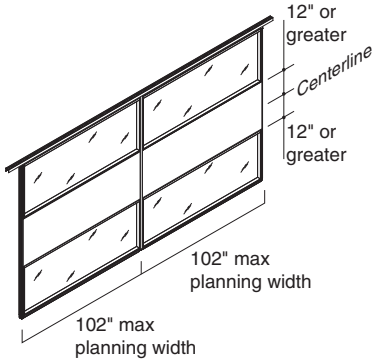




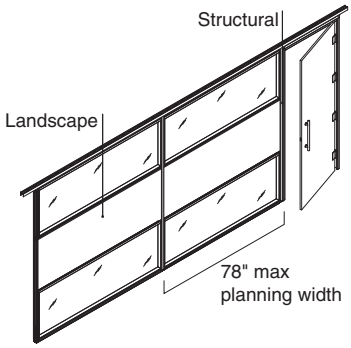
Maximum allowable planning width decreases if intermediate horizontals are positioned within 12" of the centerline of the wall.

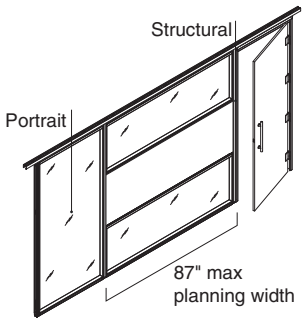
These two examples show how the maximum allowable planning width will increase as intermediate horizontals change position.





Maximum allowable planning width increases if both adjacent modules are either portrait oriented (60" or less between posts) or are a primary structural assembly. Adding a landscape module at either edge limits the maximum planning width.

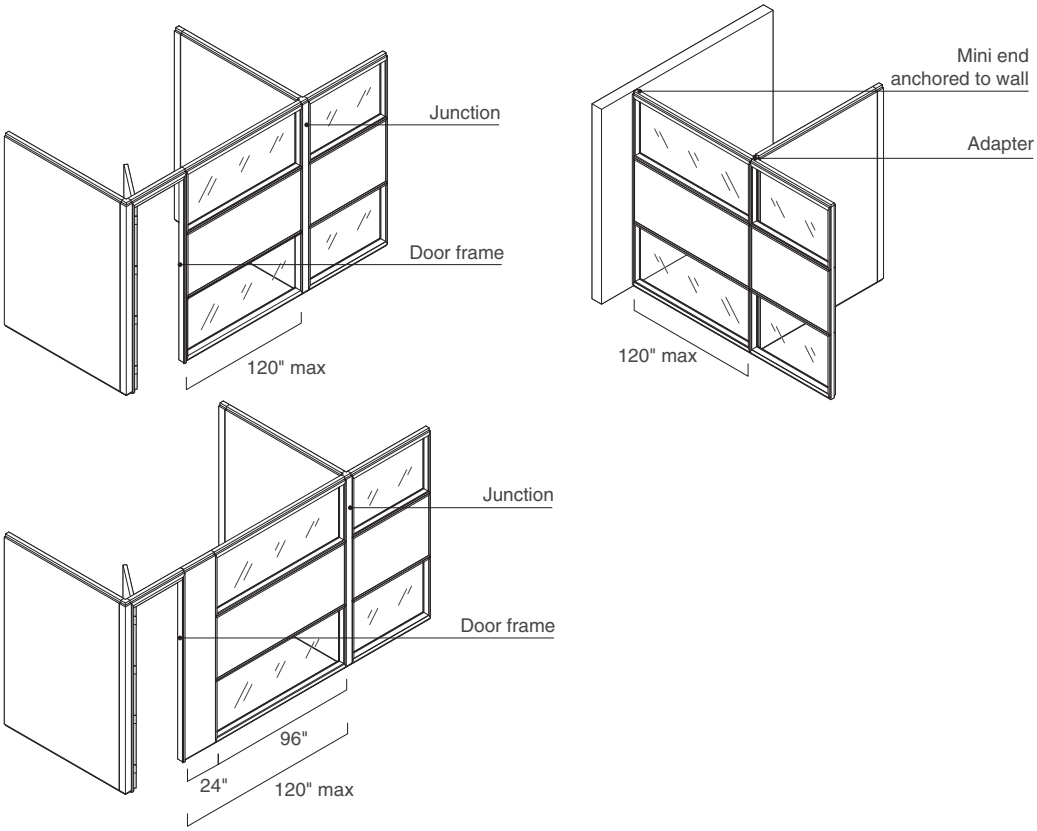




When two posts are more than 75" apart, they must fall within the landscape planning guidelines as outlined below.

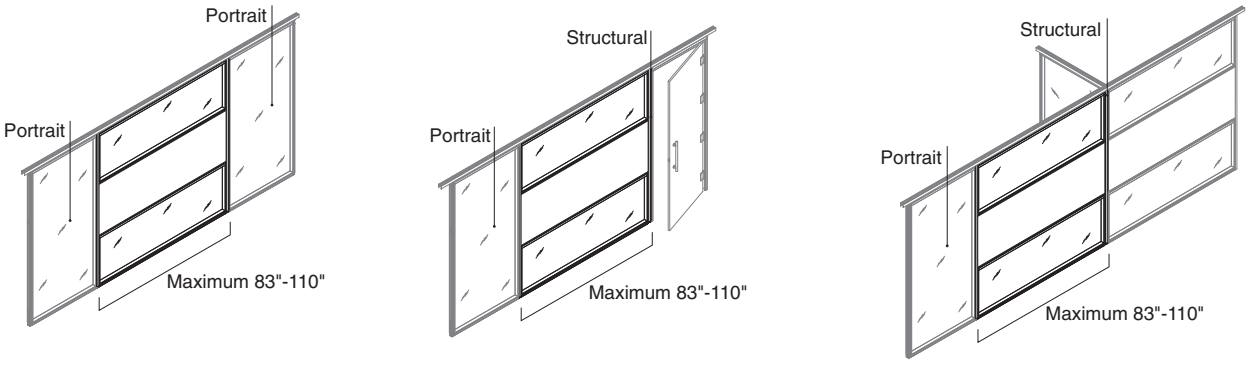
Planning Within Spans No Greater Than 120" Wide

Regardless of ceiling height or position of horizontals, a landscape module can be any width up to 120", as long as it falls within a span of primary structural assemblies that are no more than 120 inches apart.

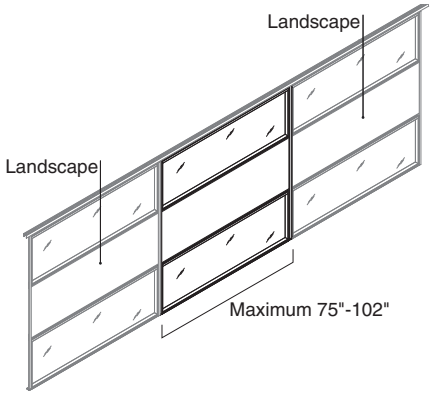


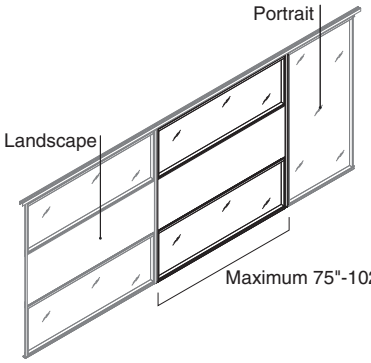
Landscape modules can be placed within spans where primary structural assemblies are greater than 120" apart if they are configured as shown below, with maximum planning widths as defined in the *Landscape Planning Matrices*, see page 109.

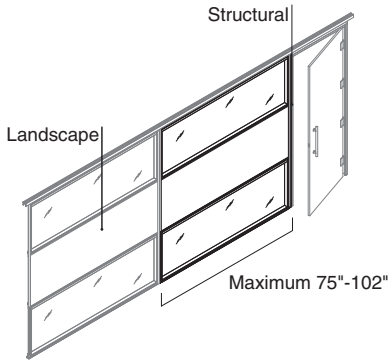
Portrait and/or Primary Structural Assembly at Each Edge



Landscape Module at Either or Both Edges

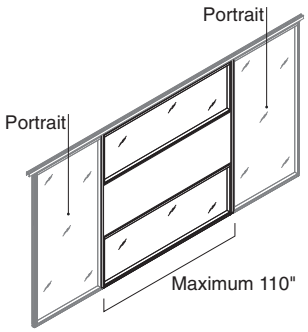


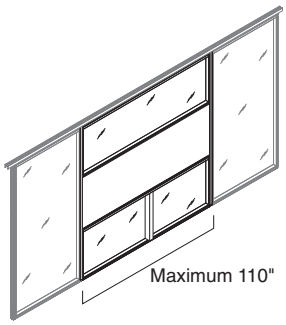




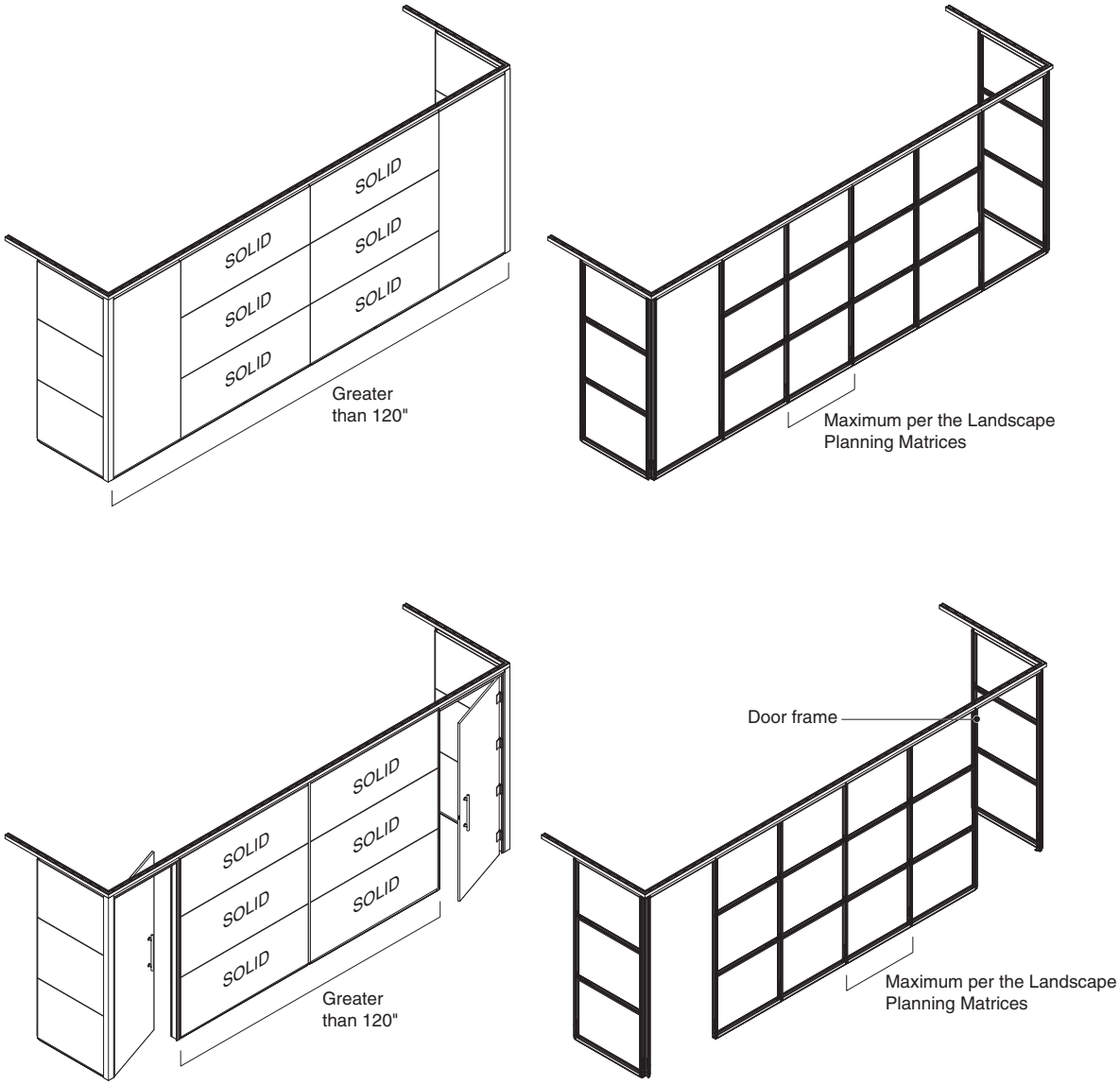
Primary structural assembly:
- Junction (angle or 180º)
- Adapter
- Bypass
- Door frame (reversible or slider, full height or transom height)
- Mini end (anchored)
- Finished end

Posts that are intermediate height (top mount is not at the ceiling) do not factor in to landscape planning guidelines.





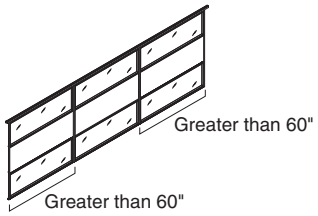
Tip: Adding an intermediate height post does not increase the maximum width of the landscape frame.

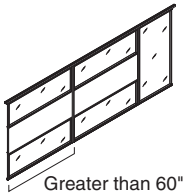


Planning per these guidelines ensures that solid walls will meet IBC structural criteria for transverse loads per ASTM E72.

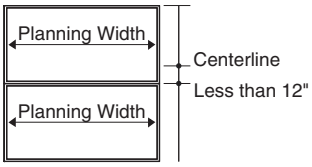
Landscape Planning Matrices

Either or Both Adjacent Modules Are Landscape

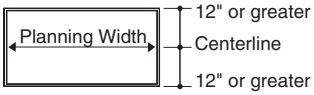




Intermediate Horizontal:
Any horizontal is closer than 12" to centerline

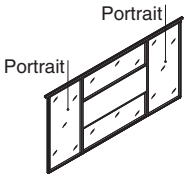


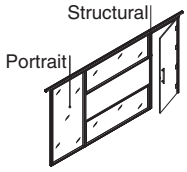
Intermediate Horizontal:
No horizontal is closer than 12" to centerline

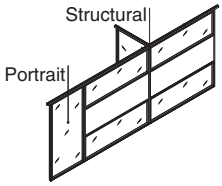


Ceiling Height	Maximum Planning Width	Maximum Planning Width
96"	100"	102"
102"	94"	99"
108"	88"	92"
114"	82"	85"
120"	75"	78"

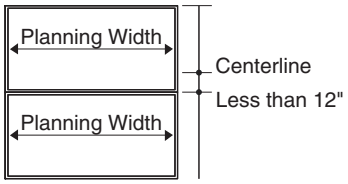
Both Adjacent Modules Are Either Portrait Oriented Primary Structural Elements



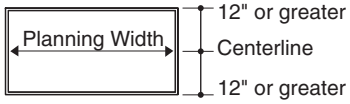




Intermediate Horizontal:
Any horizontal is closer than 12" to centerline



Intermediate Horizontal:
No horizontal is closer than 12" to centerline



Ceiling Height	Maximum Planning Width	Maximum Planning Width
96"	108"	110"
102"	103"	108"
108"	97"	103"
114"	91"	94"
120"	83"	87"

Tip: When the ceiling height exceeds 10'-0", posts cannot be spaced more than 48" apart Regardless of ceiling height or position of horizontals, a landscape module can be any width up to 120", as long as it falls within a span of primary structural assemblies that are no more than 120 inches apart.

▶See Page 106

Acoustic Planning Considerations

Overall acoustic performance related to sound transmission can be managed by varying the wall configuration, skin materials, and internal composition.

The internal composition can vary in three ways:

1.The wall cavity is untreated. No additional components are used.

2. Internal horizontal seals are added to the back of the skins at the top and bottom structural horizontals. One seal (FESSA2) is applied at each position.

3. Internal seals are added per the above, plus the wall cavity is filled with acoustic insulation (FESIA). Post are also enhanced by vertically positioning the post seal to fully engage with the bottom structural horizontal, and by adding an additional section of post seal to fully engage with the top structural horizontal.

▶See *Understanding Skins,* page 40, for more information about acoustic related components and planning guidelines for different skin configurations.

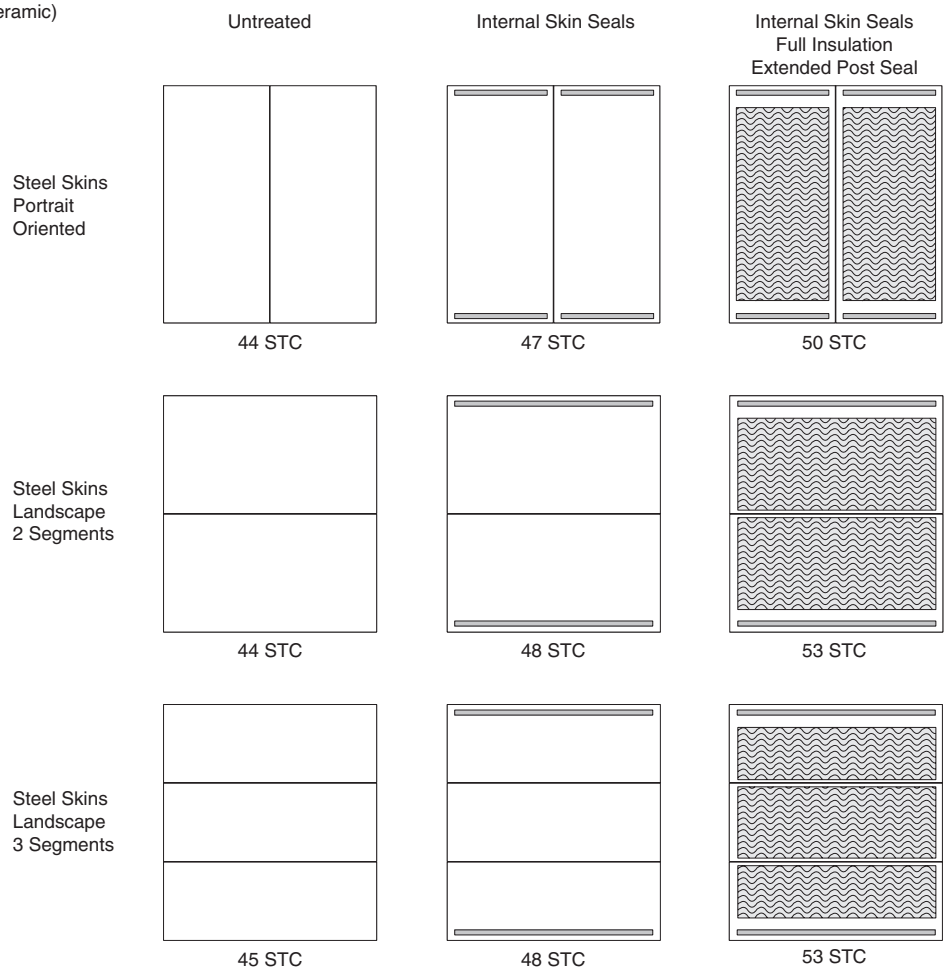
Adding insulation to mini-end assemblies does not improve acoustic performance.

Sound transmission performance at door openings (slider and reversible) can be improved by adding drop seals to the doors.

Mounting hang-on furniture does not negatively effect acoustic performance.

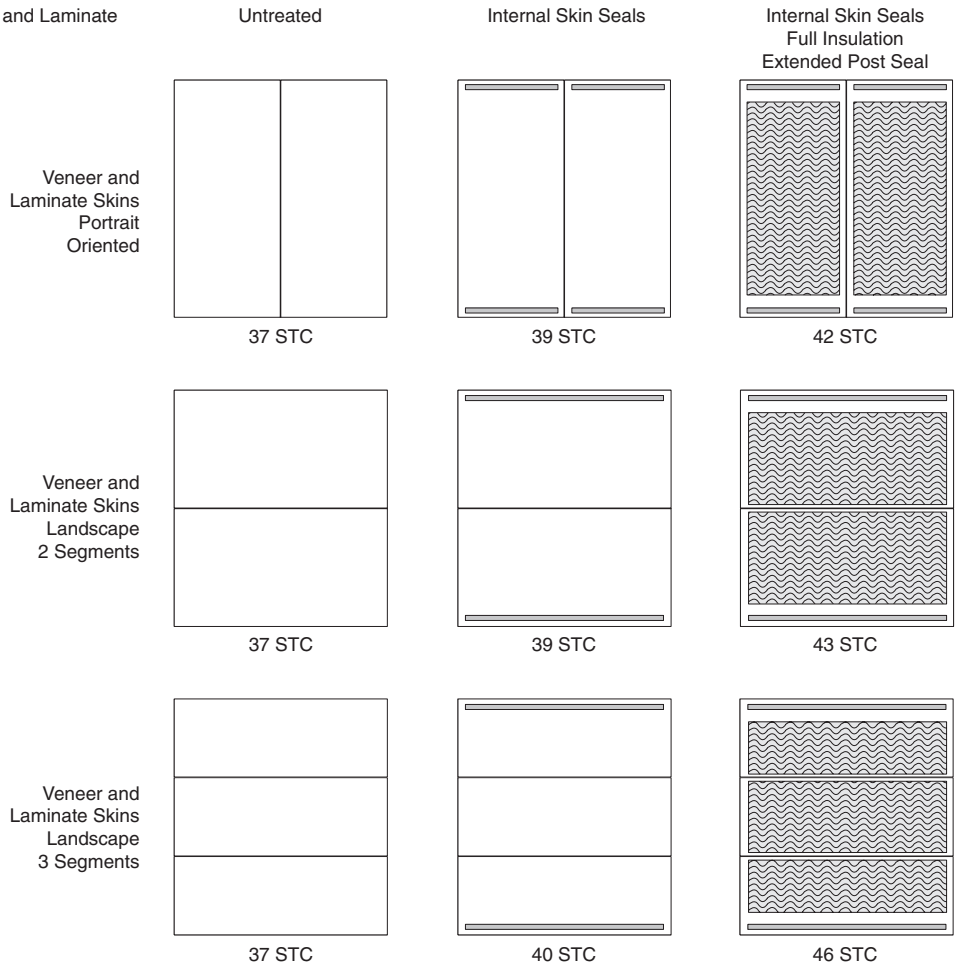
When considering markerboard solutions, keep in mind that ceramic skins will provide better STC performance than back-painted glass.

STC Performance–Solid Walls
Steel Skins (paint, fabric, and ceramic)



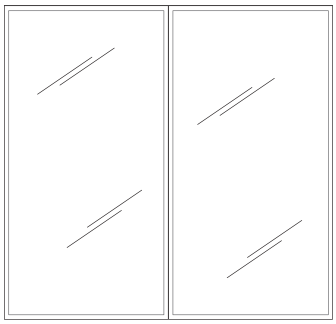
STC Performance–
Solid Walls

Veneer Skins and Laminate

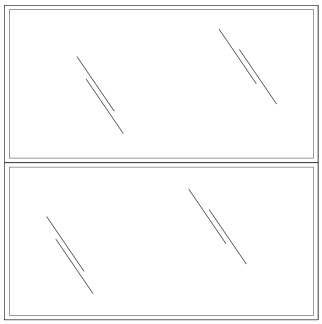


Combining steel and veneer skins on opposite sides of the same wall will improve these veneer results by two to four STC points depending on configuration.

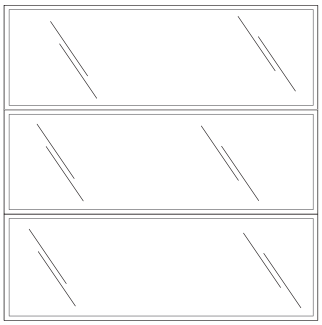
Tip: Adding insulation to mini-ends does not improve acoustic performance.



Portrait



Landscape



Landscape

STC performance does not vary between portrait and landscape frame configurations.

Double Glazed

¼" thick tempered + ¼" thick tempered glass: 42 STC
⅜" thick tempered + ¼" thick tempered glass: 44 STC

When double glazed frames are positioned at the top and/or bottom of the wall, acoustic glass frame seals (FEFRCGSA) will be applied on both sides of the wall.

Using laminated glass in a double glazed frame does not improve STC performance.

Using ⅜" thick glass in both sides of the frame does not improve STC performance.

Single Glazed

¼" thick tempered glass: 30 STC
⅜" thick tempered glass: 31 STC
¼" thick laminated glass: 31 STC
⅜" thick laminated glass: 33 STC

Using acoustic glass frame seals (FEFRCGSA) on single glazed frames will not improve STC performance.

STC = Sound Transmission Coefficient

Specifying Structural Frame Components

Post	**114**
Structural Horizontal and Intermediate Horizontal	**115**
Ceiling Tracks	**116**
Ceiling Fastener and T/X Ceiling Track Bracket	**118**
Base Trims	**119**
Floor Track and Floor Track Spring	**121**
Floor Guide	**122**
Short Post Leveler Bracket	**123**
Acoustic Seals	**124**
Structural Beam	**125**

Post

Standard Includes	Required to Specify
▶ Need help? Product details, page 24	1 Style number
• Post	2 Height
• Height: 15"–144"	3 Plastic color number for seal
• Seal: plastic	4 Top mount type (see below under Required Selections)
	5 Horizontal hole count (see below under Required Selections)
	▶ See *Surface Materials*, page 222.

	Required Selections	U.S. Price	Required to Specify
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Horizontal Hole Count	**Horizontal holes**		
	• No holes	No cost	Specify *with no holes.*
	• Hole 1 location	No cost	Specify *Y dimension for hole 1.*
	• Hole 2 location	No cost	Specify *Y dimension for hole 2.*
	• Hole 3 location	No cost	Specify *Y dimension for hole 3.*
	• Hole 4 location	No cost	Specify *Y dimension for hole 4.*
	• Hole 5 location	No cost	Specify *Y dimension for hole 5.*
	• Hole 6 location	No cost	Specify *Y dimension for hole 6.*
	• Hole 7 location	No cost	Specify *Y dimension for hole 7.*
	• Hole 8 location	No cost	Specify *Y dimension for hole 8.*
	• Hole 9 location	No cost	Specify *Y dimension for hole 9.*
	• Hole 10 location	No cost	Specify *Y dimension for hole 10.*
	• Hole 11 location	No cost	Specify *Y dimension for hole 11.*

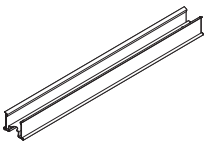
Specification Information

Style Number	Height	U.S. Base Price	
		Per Post	Per Inch
FEPVS	15"–48"	$390.12	+$0.37
	48.00001"–120"	$403.93	+$0.35
	120.00001"–144"	$430.38	+$0.84

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

Structural Horizontal and Intermediate Horizontal

Structural Horizontal



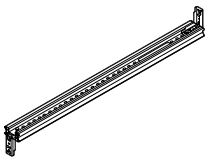
Standard Includes	Required to Specify
▶ Need help? Product details, page 24 • Post • Width: 6"–120" • Seal: plastic	1 Style number 2 Width 3 Plastic color number for seal 4 Cut-out configuration (see below under Required Selections) ▶ See *Surface Materials*, page 222.

	Required Selections	U.S. Price	Required to Specify
Cut-out Configuration	• Cutable	No cost	Specify *with cutable.*
	• Non-cut	No cost	Specify *with non-cut.*

Specification Information

Style Number	Width	U.S. Base Price	
		Per Horizontal	Per Inch
FERHS	6"–48"	$ 63.65	+$0.69
	48.00001"–96"	$ 95.21	+$1.23
	96.00001"–120"	$158.86	+$0.41

Intermediate Horizontal



Standard Includes	Required to Specify
▶ Need help? Product details, page 24 • Horizontal • Width: 6"–120" • Seal: plastic	1 Style number 2 Width 3 Plastic color number for seal 4 Vertical hole count (see below under Required Selections) ▶ See *Surface Materials*, page 222.

	Required Selections	U.S. Price	Required to Specify
Vertical Hole Count	**Vertical holes**		
	• No holes	No cost	Specify *with no holes.*
	• Hole 1 location	No cost	Specify *X dimension for hole 1.*
	• Hole 2 location	No cost	Specify *X dimension for hole 2.*
	• Hole 3 location	No cost	Specify *X dimension for hole 3.*
	• Hole 4 location	No cost	Specify *X dimension for hole 4.*
	• Hole 5 location	No cost	Specify *X dimension for hole 5.*
	• Hole 6 location	No cost	Specify *X dimension for hole 6.*
	• Hole 7 location	No cost	Specify *X dimension for hole 7.*
	• Hole 8 location	No cost	Specify *X dimension for hole 8.*
	• Hole 9 location	No cost	Specify *X dimension for hole 9.*
	• Hole 10 location	No cost	Specify *X dimension for hole 10.*
	• Hole 11 location	No cost	Specify *X dimension for hole 11.*

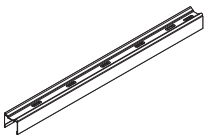
Specification Information

Style Number	Width	U.S. Base Price	
		Per Horizontal	Per Inch
FERHI	6"–60"	$ 95.21	+$1.75
	60.00001"–96"	$136.04	+$2.09
	96.00001"–120"	$284.11	+$0.78

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

Ceiling Tracks

Straight Ceiling Track



Standard Includes	Required to Specify
▶Need help? Product details, page 24	1 Style number
• Ceiling track: paint	2 Paint color number for ceiling track
• Seal to match paint color, when applicable:	3 Plastic color number for seal, if required
- 7190 Platinum Solid paint will default 6249 Platinum Solid plastic	4 Length (see below under Required Selections)
- 7241 Arctic White paint will default 6009 Arctic White plastic	5 Options, if selected (see below)
- 7360 Merle paint will receive 6527 Merle plastic	▶See *Surface Materials,* page 222.
- All other paint selections require a plastic to be specified	

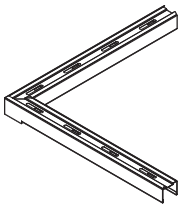
	Required Selections	U.S. Price	Required to Specify
Length	• 120"	No cost	Specify 120".
	• 144"	+$ 9.91	Specify 144".

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$24.93	Specify paint color number.
	• Paint price group 3	+$37.57	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price
FECTS	$149.60

Corner Fixed Angle Ceiling Track



Standard Includes	Required to Specify
▶Need help? Product details, page 24	1 Style number
• Ceiling track: paint	2 Paint color number for ceiling track
• Seal to match paint color, when applicable:	3 Plastic color number for seal, if required
- 7190 Platinum Solid paint will default 6249 Platinum Solid plastic	4 Angle (see below under Required Selections)
- 7241 Arctic White paint will default 6009 Arctic White plastic	5 Options, if selected (see below)
- 7360 Merle paint will receive 6527 Merle plastic	▶See *Surface Materials,* page 222.
- All other paint selections require a plastic to be specified	

	Required Selections	U.S. Price	Required to Specify
Fixed Angles	• 90°	No cost	Specify *with 90° angle.*
	• 120°	No cost	Specify *with 120° angle.*
	• 135°	No cost	Specify *with 135° angle.*

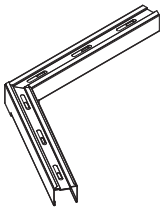
	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$24.93	Specify paint color number.
	• Paint price group 3	+$37.57	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price
FECTF	$159.48

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

Corner Variable Angle Ceiling Track



Standard Includes	Required to Specify
▶ Need help? Product details, page 24	• Ceiling track: paint • Seal to match paint color, when applicable: - 7190 Platinum Solid paint will default 6249 Platinum Solid plastic - 7241 Arctic White paint will default 6009 Arctic White plastic - 7360 Merle paint will receive 6527 Merle plastic - All other paint selections require a plastic to be specified	1 Style number 2 Paint color number for ceiling track 3 Plastic color number for seal, if required 4 Angle (see below under Required Selections) 5 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Angle	• 91°–119°	No cost	Specify angle in 1° increment.
	• 121°– 134°	No cost	Specify angle in 1° increment.
	• 136°–179°	No cost	Specify angle in 1° increment.

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 7.91	Specify paint color number.
	• Paint price group 3	+$17.00	Specify paint color number.

Specification Information

Style Number	U.S. Base Price
FECTV	$212.69

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

Ceiling Fastener and T/X Ceiling Track Bracket

Ceiling Fastener

Tip: Order one ceiling fastener package per 10' of ceiling track.

Tip: Spacers are included with fasteners for regular ceiling tiles that allow adjustment for different tile edge depths.

Standard Includes	Required to Specify
▶ Need help? Product details, page 24	1 Style number 2 Fastener type (see below under Required Selections)
• Fastener package	

	Required Selections	U.S. Price	Required to Specify
Fastener Type	• 1"W exposed T	No cost	Specify *with 1"W exposed T.*
	• 9⁄16"W exposed T	No cost	Specify *with 9⁄16"W exposed T.*
	• 1⁄4"W Donn Fineline	No cost	Specify *with 1⁄4"W Donn Fineline.*
	• 1⁄8"W Donn Fineline	No cost	Specify *with 1⁄8"W Donn Fineline.*
	• 1"W fluted runner 1⁄4–20	No cost	Specify *with 1"W fluted runner 1⁄4–20.*
	• 1"W tegular	No cost	Specify *with 1" tegular.*
	• 9⁄16" tegular	No cost	Specify *with 9⁄16" tegular.*

Specification Information

Style Number	U.S. Price
FECF	$22.84

T/X Ceiling Track Bracket

Tip: For T application specify one bracket. For X application, specify two brackets.

Standard Includes	Required to Specify
▶ Need help? Product details, page 24	Style number
• Bracket	

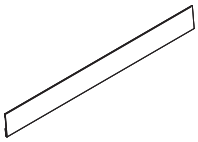
Specification Information

Style Number	U.S. Price
FECTB	$17.02

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

Base Trims

Straight Base Trim



Standard Includes	Required to Specify
▶ Need help? Product details, page 24	1 Style number 2 Paint color number for trim 3 Length (see below under Required Selections) 4 Options, if selected (see below) ▶ See *Surface Materials,* page 222.
• Base trim: paint	

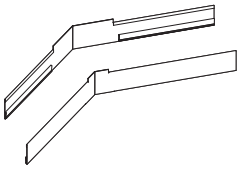
	Required Selections	U.S. Price	Required to Specify
Length	• 120"	No cost	Specify 120".
	• 144"	+$12.62	Specify 144".

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$24.93	Specify paint color number.
	• Paint price group 3	+$37.57	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price
FEBTS	$61.87

Corner Fixed Angle Base Trim



Standard Includes	Required to Specify
▶ Need help? Product details, page 24	1 Style number 2 Paint color number for trim 3 Angle (see below under Required Selections) 4 Corner type (see below under Required Selections) 5 Options, if selected (see below) ▶ See *Surface Materials,* page 222.
• Base trim: paint	

	Required Selections	U.S. Price	Required to Specify
Fixed Angles	• 90°	No cost	Specify *with 90° angle.*
	• 120°	No cost	Specify *with 120° angle.*
	• 135°	No cost	Specify *with 135° angle.*
Corner Type	• Inner	No cost	Specify *with inner corner.*
	• Outer	No cost	Specify *with outer corner.*

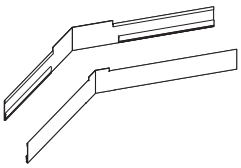
	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$24.93	Specify paint color number.
	• Paint price group 3	+$37.57	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price
FEBTF	$82.61

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

Corner Variable Angle Base Trim



Standard Includes	Required to Specify
▶ Need help? Product details, page 24	1 Style number 2 Paint color number for trim 3 Angle (see below under Required Selections) 4 Corner type (see below under Required Selections) 5 Options, if selected (see below) ▶ See *Surface Materials,* page 222.
• Base trim: paint	

	Required Selections	U.S. Price	Required to Specify
Angle	• 91°–119°	No cost	Specify angle in 1° increment.
	• 121°–134°	No cost	Specify angle in 1° increment.
	• 136°–179°	No cost	Specify angle in 1° increment.
Corner Type	• Inner	No cost	Specify *with inner corner.*
	• Outer	No cost	Specify *with outer corner.*

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 7.91	Specify paint color number.
	• Paint price group 3	+$17.00	Specify paint color number.

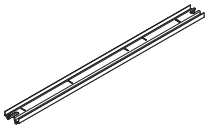
Specification Information

Style Number	U.S. Base Price
FEBTV	$97.00

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

Floor Track and Floor Track Spring

Floor Track



Standard Includes	Required to Specify
▶ Need help? Product details, page 24	1 Style number 2 Paint color number for floor track 3 Width 4 Options, if selected (see below) ▶ See *Surface Materials*, page 222.
• Floor track: paint • Width: 6"–120"	

Options	U.S. Price	Required to Specify
Surface Materials		
• Paint price group 1	No cost	Specify paint color number.
• Paint price group 2	+$24.93	Specify paint color number.
• Paint price group 3	+$37.57	Specify paint color number.

Specification Information

Style Number	Length	U.S. Base Price	
		Per Track	Per Inch
FEFT	6"–96"	$37.86	+$0.37
	96.00001"–120"	$90.14	+$0.13

Floor Track Spring

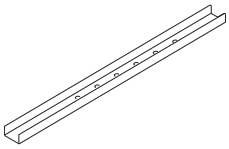
Standard Includes	Required to Specify
▶ Need help? Product details, page 24	Style number
• Floor track spring	

Specification Information

Style Number	U.S. Price
FEFTS	$14.43

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

Floor Guide



Standard Includes	Required to Specify
▶ Need help? Product details, page 24	• Floor guide	1 Style number 2 Gripper type (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Gripper	• Simple • Seismic	No cost +$22.84	Specify *with simple*. Specify *with seismic*.

Specification Information

• Style Number	• U.S. Base Price
FEFG	$44.45

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

Short Post Leveler Bracket

Standard Includes	Required to Specify
• Bracket	Style number

▶ Need help? Product details, page 24

Specification Information

Style Number	U.S. Price
FEPLBS	$28.27

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

Acoustic Seals

Tip: When different seal colors are desired on opposite sides of a wall, order additional seals in the appropriate colors for field retrofit.

Standard Includes	Required to Specify
▶ Need help? Product details, page 24 • Acoustic seal: plastic	1 Style number 2 Plastic color number for seal 3 Height (see below under Required Selections) 4 Width (see below under Required Selections) ▶ See *Surface Materials,* page 222.

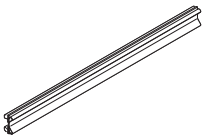
	Required Selections	U.S. Price	Required to Specify
Height	**For post acoustic seal packages**		
	• 72.5"	No cost	Specify height.
	• 145"	+$13.00	Specify height.
Width	**For horizontal acoustic seals**		
	• 24"	No cost	Specify width.
	• 48"	+$ 5.75	Specify width.
	• 72"	+$11.54	Specify width.
	• 96"	+$18.50	Specify width.
	• 120"	+$24.28	Specify width.

Specification Information

Description	Style Number	For Use With	U.S. Base Price

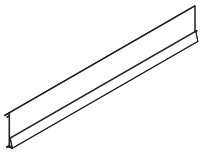
Post Acoustic Seal Packages

145"H full-height post package or 72½"H partial-height post package	**FEPVSS**	FEPVS	$51.10



Intermediate Horizontal Acoustic Seals

24"W, 48"W, 72"W, 96"W, or 120"W	**FERHIS**	FERHI	$30.05



Structural Horizontal Acoustic Seals

24"W, 48"W, 72"W, 96"W, or 120"W	**FERHSS**	FERHS	$30.05

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

Structural Beam

Standard Includes	Required to Specify
▶ Need help? Product details, page 96	1 Style number 2 Width
• Beam • Width: 12" – 120"	

Specification Information

• Style Number	• Length	• U.S. Base Price	
		Per Track	Per Inch
FEBSTR	12"–120"	$331.57	+$5.18

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

Specifying Cornice Application

Cornice Track and Beam 128
Cornice Brackets and Reinforcing Tracks 129
Cornice Accessories 131

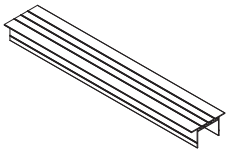
Cornice Track and Beam

Standard Includes	Required to Specify
▶ Need help? Product details, page 30	• Cornice track and beam: paint	1 Style number 2 Paint color number for cornice track and beam 3 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Options	U.S. Price	Required to Specify
Surface Materials	• Anodized for beams only	No cost	Specify *with anodized for beams only.*
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$28.21	Specify paint color number.
	• Paint price group 3	+$41.02	Specify paint color number.

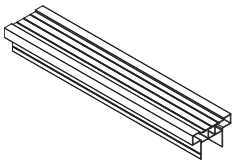
Specification Information

Length	Style Number	U.S. Base Price



Cornice Track Deck

130"	**FECTD**	$422.59



Cornice Track Beam

130"	**FECTBE**	$564.27

Cornice Track Deck Corner

36" x 36"	**FECTDC**	$282.12

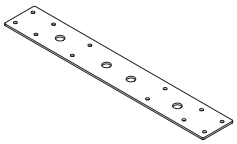
Cornice Track Beam Corner

36" x 36"	**FECTBEC**	$314.90

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

Cornice Brackets and Reinforcing Tracks

Cornice Bracket



Standard Includes	Required to Specify
▶ Need help? Product details, page 30	1 Style number 2 Paint color number for cornice bracket 3 Angle (see below under Required Selections) 4 Options, if selected (see below) ▶ See *Surface Materials,* page 222.
• Cornice bracket: paint	

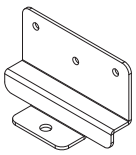
	Required Selections	U.S. Price	Required to Specify
Angle	• 90°	No cost	Specify *with 90° angle.*
	• 135°	No cost	Specify *with 135° angle.*
	• 180°	No cost	Specify *with 180° angle.*

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$7.11	Specify paint color number.
	• Paint price group 3	+$9.97	Specify paint color number.

Specification Information

Style Number	U.S. Base Price
FECB	$84.01

Cornice Skin Structural Brackets



Standard Includes	Required to Specify
▶ Need help? Product details, page 30	Style number
• Cornice bracket; quantity four	

Specification Information

Style Number	U.S. Price
FESSB	$208.68

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

Cornice Reinforcing Tracks

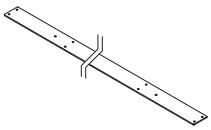
	Standard Includes	Required to Specify
▶ Need help? Product details, page 34	• Cornice reinforcing track: paint	1 Style number 2 Paint color number for reinforcing track 3 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$28.21	Specify paint color number.
	• Paint price group 3	+$41.02	Specify paint color number.

Specification Information

• Dimensions Length	• Style Number	• U.S. Base Price
		Per Track

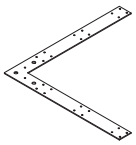
Cornice Seismic Reinforcing Track – Straight



Tip: Specify cornice screw package bracket separately - two sets required for straight track.

112"	**FECTSRS**	$254.09

Cornice Seismic Reinforcing Track – Corner



Tip: Specify cornice screw package bracket separately - three sets required for corner track.

24" x 24"	**FECTSRC**	$179.19

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

Cornice Accessories

Cornice Screw Package—Track

Standard Includes	Required to Specify
• Screw package: quantity 18	Style number

Specification Information

Style Number	U.S. Price
FECSPT	$21.73

Cornice Screw Package—Bracket

Standard Includes	Required to Specify
• Screw package: quantity 12	Style number

Specification Information

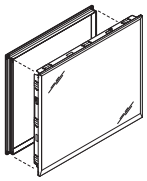
Style Number	U.S. Price
FECSPB	$21.73

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

Specifying Captured Glass Frames

Single Glazed Captured Glass Frame	**134**
Double Glazed Captured Glass Frame	**136**
Single Side Captured Glass Frames—Side A and Side C	**138**
Single Side Captured Glass Frames—Side B and Side D	**140**
Acoustic Seal for Captured Glass	**142**
Brackets and T Nuts	**143**

Single Glazed Captured Glass Frame



▶ Need help? Product details, page 36

Standard Includes

- Frame: paint or 8043 Clear Anodized Aluminum
- Height: 12"–141.71654"
- Width: 12"–120"
- Glass: ¼" thick
- Glazing strips: platinum

Required to Specify

1 Style number
2 Height
3 Width
4 Paint or anodized aluminum color number for frame side A
5 Paint or anodized aluminum color number for frame side B
6 Glass color number
7 Glass linear orientation (see below under Required Selections)
8 Glass thickness (see below under Required Selections)
9 Glass surface orientation, if 6542 Satin selected (see below under Required Selections)
10 Top mount type (see below under Required Selections)
11 Bottom mount type (see below under Required Selections)
12 Options, if selected (see below)

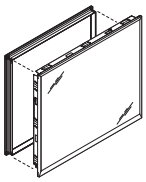
▶ See *Surface Materials,* page 222.

Required Selections		U.S. Price		Required to Specify
		Per Frame	**Per Sq/Ft**	
Glass Thickness (3/8" thick glass)	• Glass price group 1	N.A.	+$ 24.88	Specify glass color number.
	• Glass price group 2	N.A.	+$ 7.57	Specify glass color number.
	• Glass price group 3	N.A.	+$ 31.37	Specify glass color number.
	• Glass price group 4	N.A.	+$ 25.95	Specify glass color number.
	• Glass price group 6	N.A.	+$ 25.95	Specify glass color number.
	• Glass price group 7 (Note: ¼" thick glass = No cost)	N.A.	+$ 25.95	Specify glass color number.
Glass Linear Orientation	• Horizontal	No cost	N.A.	Specify *with horizontal orientation.*
	• Vertical	No cost	N.A.	Specify *with vertical orientation.*
Glass Surface Orientation	• Polished to flush	No cost	N.A.	Specify *with polished to flush.*
	• Polished to sill	No cost	N.A.	Specify *with polished to sill.*
Top Mount Type	• Ceiling	No cost	N.A.	Specify *with ceiling mount.*
	• Intermediate	No cost	N.A.	Specify *with intermediate mount.*
Bottom Mount Type	• Floor	No cost	N.A.	Specify *with floor mount.*
	• Intermediate	No cost	N.A.	Specify *with intermediate mount.*

Tip: Glass surface orientation only required when 6542 Satin is selected.

Options		U.S. Price		Required to Specify
	Frames	**Per Frame**	**Per Sq/Ft**	
Surface Materials	• Anodized	No cost	+$ 0.99	Specify *with anodized.*
	• Paint price group 1	No cost	No cost	Specify paint color number.
	• Paint price group 2	No cost	+$ 1.18	Specify paint color number.
	• Paint price group 3	No cost	+$ 2.10	Specify paint color number.
	• Glass price group 1	No cost	No cost	Specify glass color number.
	• Glass price group 2	No cost	+$ 30.39	Specify glass color number.
	• Glass price group 3	No cost	+$ 36.22	Specify glass color number.
	• Glass price group 4	No cost	+$ 59.64	Specify glass color number.
	• Glass price group 6	No cost	+$117.88	Specify glass color number.
	• Glass price group 7	No cost	+$140.09	Specify glass color number.

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

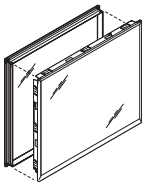


Specification Information

Style Number	Square Foot (Sq/Ft)	U.S. Base Price	
		Per Frame	Per Sq/Ft
FEFRCGS	1.00000"–12.00000"	$351.07	+$115.86
	12.00001"–30.00000"	$903.47	+$ 31.88
	30.00001"–50.00000"	$401.05	+$ 53.67

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

Double Glazed Captured Glass Frame



▶ Need help? Product details, page 36

Standard Includes

- Frame: paint or 8043 Clear Anodized Aluminum
- Height: 12"–141.71654"
- Width: 12"–120"
- Glass: ¼" thick
- Glazing strips: platinum

Required to Specify

1 Style number
2 Height
3 Width
4 Paint or anodized aluminum color number for frame side A
5 Paint or anodized aluminum color number for frame side C
6 Glass color number for side A
7 Glass color number for side C
8 Glass linear orientation for side A (see below under Required Selections)
9 Glass linear orientation for side C (see below under Required Selections)
10 Glass thickness for side A (see below under Required Selections)
11 Glass thickness for side C (see below under Required Selections)
12 Glass surface orientation for side A, if 6542 Satin selected (see below under Required Selections)
13 Glass surface orientation for side C, if 6542 Satin selected (see below under Required Selections)
14 Top mount type (see below under Required Selections)
15 Bottom mount type (see below under Required Selections)
16 Options, if selected (see below)

▶ See *Surface Materials,* page 222.

Required Selections	U.S. Price		Required to Specify
Glass Thickness (⅜" thick glass) (Side A)	**Per Frame**	**Per Sq/Ft**	
• Glass price group 1	N.A.	+$24.88	Specify glass color number.
• Glass price group 2	N.A.	+$ 7.57	Specify glass color number.
• Glass price group 3	N.A.	+$31.37	Specify glass color number.
• Glass price group 4	N.A.	+$25.95	Specify glass color number.
• Glass price group 6	N.A.	+$25.95	Specify glass color number.
• Glass price group 7	N.A.	+$25.95	Specify glass color number.
(Note: ¼" thick glass = No cost)			
Glass Thickness (⅜" thick glass) (Side C)	**Per Frame**	**Per Sq/Ft**	
• Glass price group 1	N.A.	+$24.88	Specify glass color number.
• Glass price group 2	N.A.	+$ 7.57	Specify glass color number.
• Glass price group 3	N.A.	+$31.37	Specify glass color number.
• Glass price group 4	N.A.	+$25.95	Specify glass color number.
• Glass price group 6	N.A.	+$25.95	Specify glass color number.
(Note: ¼" thick glass = No cost)			
Glass Linear Orientation (Side A)			
• Horizontal	No cost	N.A.	Specify *with horizontal orientation.*
• Vertical	No cost	N.A.	Specify *with vertical orientation.*
Glass Linear Orientation (Side C)			
• Horizontal	No cost	N.A.	Specify *with horizontal orientation.*
• Vertical	No cost	N.A.	Specify *with vertical orientation.*
Glass Surface Orientation (Side A)			
• Polished to flush	No cost	N.A.	Specify *with polished to flush orientation.*
• Polished to sill	No cost	N.A.	Specify *with polished to sill orientation.*
Glass Surface Orientation (Side C)			
• Polished to flush	No cost	N.A.	Specify *with polished to flush orientation.*
• Polished to sill	No cost	N.A.	Specify *with polished to sill orientation.*
Top Mount Type			
• Ceiling	No cost	N.A.	Specify *with ceiling mount.*
• Intermediate	No cost	N.A.	Specify *with intermediate mount.*
Bottom Mount Type			
• Floor	No cost	N.A.	Specify *with floor mount.*
• Intermediate	No cost	N.A.	Specify *with intermediate mount.*

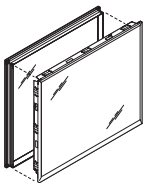
Tip: Glass surface orientation only required when 6542 Satin is selected.

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

Options		U.S. Price		Required to Specify
Surface Materials	**Frames**	**Per Frame**	**Per Sq/Ft**	
	• Anodized	No cost	+$ 0.99	Specify *with anodized.*
	• Paint price group 1	No cost	No cost	Specify paint color number.
	• Paint price group 2	No cost	+$ 1.18	Specify paint color number.
	• Paint price group 3	No cost	+$ 2.10	Specify paint color number.
	• Glass price group 1	No cost	No cost	Specify glass color number.
	• Glass price group 2	No cost	+$ 30.39	Specify glass color number.
	• Glass price group 3	No cost	+$ 36.22	Specify glass color number.
	• Glass price group 4	No cost	+$ 59.64	Specify glass color number.
	• Glass price group 6	No cost	+$117.88	Specify glass color number.
	• Glass price group 7	No cost	+$140.09	Specify glass color number.

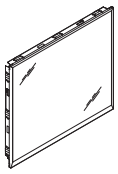
Specification Information

• Style Number	• Square Foot (Sq/Ft)	• U.S. Base Price	
		Per Frame	Per Sq/Ft
FEFRCGD	1.00000"–12.00000"	$1173.24	+$58.84
	12.00001"–30.00000"	$1311.85	+$41.12
	30.00001"–50.00000"	$ 681.19	+$79.41



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

Single Side Captured Glass Frames—Side A and Side C



▶ Need help? Product details, page 36

Standard Includes

- Frame: paint or 8043 Clear Anodized Aluminum
- Height: 12"–141.71654"
- Width: 12"–120"
- Glass: ¼" thick
- Glazing strips: platinum

Required to Specify

1 Style number
2 Height
3 Width
4 Paint or anodized aluminum color number for frame
5 Glass color number
6 Glass thickness (see below under Required Selections)
7 Glass linear orientation (see below under Required Selections)
8 Glass surface orientation, if 6542 Satin selected (see below under Required Selections)
9 Top mount type (see below under Required Selections)
10 Bottom mount type (see below under Required Selections)
11 Options, if selected (see below)

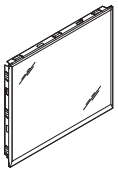
▶ See *Surface Materials,* page 222.

Required Selections		U.S. Price		Required to Specify
		Per Frame	**Per Sq/Ft**	
Glass Thickness (3/8" thick glass)	• Glass price group 1	N.A.	+$ 24.88	Specify glass color number.
	• Glass price group 2	N.A.	+$ 7.57	Specify glass color number.
	• Glass price group 3	N.A.	+$ 31.37	Specify glass color number.
	• Glass price group 4	N.A.	+$ 25.95	Specify glass color number.
	• Glass price group 6	N.A.	+$ 25.95	Specify glass color number.
	• Glass price group 7 (Note: ¼" thick glass = No cost)	N.A.	+$ 25.95	Specify glass color number.
Glass Linear Orientation	• Horizontal	No cost	N.A.	Specify *with horizontal orientation.*
	• Vertical	No cost	N.A.	Specify *with vertical orientation.*
Glass Surface Orientation	• Polished to flush	No cost	N.A.	Specify *with polished to flush orientation.*
	• Polished to sill	No cost	N.A.	Specify *with polished to sill orientation.*
Top Mount Type	• Ceiling	No cost	N.A.	Specify *with ceiling mount.*
	• Intermediate	No cost	N.A.	Specify *with intermediate mount.*
Bottom Mount Type	• Floor	No cost	N.A.	Specify *with floor mount.*
	• Intermediate	No cost	N.A.	Specify *with intermediate mount.*

Tip: Glass surface orientation only required when 6542 Satin is selected.

Options		U.S. Price		Required to Specify
	Frames	**Per Frame**	**Per Sq/Ft**	
Surface Materials	• Anodized	No cost	+$ 0.99	Specify *with anodized.*
	• Paint price group 1	No cost	No cost	Specify paint color number.
	• Paint price group 2	No cost	+$ 1.18	Specify paint color number.
	• Paint price group 3	No cost	+$ 2.10	Specify paint color number.
	• Glass price group 1	No cost	No cost	Specify glass color number.
	• Glass price group 2	No cost	+$ 30.39	Specify glass color number.
	• Glass price group 3	No cost	+$ 36.22	Specify glass color number.
	• Glass price group 4	No cost	+$ 59.64	Specify glass color number.
	• Glass price group 6	No cost	+$117.88	Specify glass color number.
	• Glass price group 7	No cost	+$140.09	Specify glass color number.

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



Specification Information

Style Number	Square Foot (Sq/Ft)	U.S. Base Price	
		Per Frame	Per Sq/Ft

Side A Single Captured Glass Frame

FEFRCGA	1.00000"–12.00000"	$219.53	+$62.08
	12.00001"–30.00000"	$599.16	+$18.16
	30.00001"–50.00000"	$271.66	+$34.61

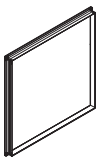
Side C Single Captured Glass Frame

FEFRCGC	1.00000"–12.00000"	$844.05	+$12.15
	12.00001"–30.00000"	$711.48	+$26.49
	30.00001"–50.00000"	$408.40	+$40.06

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

Single Side Captured Glass Frames—Side B and Side D

Single Side Captured Glass Frame—Side B



Standard Includes	Required to Specify
▶Need help? Product details, page 36 • Frame: paint or 8043 Clear Anodized Aluminum • Height: 12"–141.71654" • Width: 12"–120"	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum color number for frame 5 Top mount type (see below under Required Selections) 6 Bottom mount type (see below under Required Selections) 7 Options, if selected (see below) ▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Bottom Mount Type	• Floor	No cost	Specify *with floor mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*

	Options	U.S. Price	Required to Specify
Surface Materials	**Frames**	**Per Sq/Ft**	
	• Anodized	+$1.14	Specify *with anodized.*
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$1.34	Specify paint color number.
	• Paint price group 3	+$2.42	Specify paint color number.

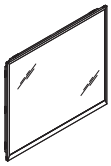
Specification Information

Style Number	Square Foot (Sq/Ft)	U.S. Base Price	
		Per Frame	Per Sq/Ft
FEFRCGB	1.00000"–12.00000"	$126.41	+$49.88
	12.00001"–30.00000"	$599.56	+$16.35
	30.00001"–50.00000"	$128.25	+$18.45

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

Single Side Captured Glass Frame—Side D

(Back-Painted Glass)



Standard Includes	Required to Specify
▶Need help? Product details, page 36	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum color number for frame 5 Back-painted glass color number 6 Top mount type (see below under Required Selections) 7 Bottom mount type (see below under Required Selections) 8 Options, if selected (see below) ▶See *Surface Materials*, page 222.
• Frame: paint or 8043 Clear Anodized Aluminum • Back-painted glass • Height: 12"–120" • Width: 12"–120" • Glass: ¼" thick • Glazing strips: platinum	

	Required Selections	U.S. Price	Required to Specify
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Bottom Mount Type	• Floor	No cost	Specify *with floor mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*

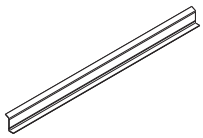
	Options	U.S. Price	Required to Specify
Surface Materials	**Frames**	**Per Sq/Ft**	
	• Anodized	+$1.14	Specify *with anodized.*
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$1.34	Specify paint color number.
	• Paint price group 3	+$2.42	Specify paint color number.

Specification Information

Style Number	Square Foot (Sq/Ft)	U.S. Base Price	
		Per Frame	Per Sq/Ft
FEFRCGDBP	1.00000" – 12.00000"	$147.53	+$229.16
	12.00001"–30.00000"	$493.93	+$174.36
	30.00001"–50.00000"	$206.26	+$182.64

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

Acoustic Seal for Captured Glass



Tip: Seals are ordered to the next largest size depending on frame width, and cut to exact length during installation.

Standard Includes	Required to Specify
▶ Need help? Product details, page 36	1 Style number 2 Seal length (see below under Required Selections)
• Seal	

	Required Selections	U.S. Price	Required to Specify
Seal Length	• 24" long seal	No cost	Specify 24" seal.
	• 48" long seal	+$30.05	Specify 48" seal.
	• 72" long seal	+$33.64	Specify 72" seal.
	• 96" long seal	+$54.70	Specify 96" seal.
	• 120" long seal	+$68.76	Specify 120" seal.

Specification Information

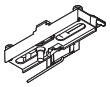
• Style Number	• U.S. Base Price
FEFRCGSA	$30.05

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

Brackets and T Nuts

For Use with Captured Glass Frames

Locking Bracket

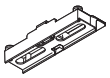


Standard Includes	Required to Specify
• Locking bracket	Style number

Specification Information

Style Number	U.S. Price
FEFHCGL	$37.27

Non-Locking Bracket



Standard Includes	Required to Specify
• Non-locking bracket	Style number

Specification Information

Style Number	U.S. Price
FEFHCGI	$31.85

Load Bracket

Standard Includes	Required to Specify
• Load bracket	Style number

Specification Information

Style Number	U.S. Price
FEFHCGLB	$10.83

T Nuts

Standard Includes	Required to Specify
• T nuts: package of 25	Style number

Specification Information

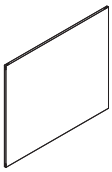
Style Number	U.S. Price
FEFHCGT	$46.26

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

Specifying Skins

Solid Steel Skin	**146**
Solid Veneer Skin	**147**
Solid Laminate Skin	**148**
Ceramic Skin	**149**
Hardware	**150**
Acoustic Products	**152**

Solid Steel Skin



Standard Includes	Required to Specify
▶ Need help? Product details, page 40	• Height: 6"–141.71654" • Width: 6"–120" • Skin: paint or fabric

1 Style number
2 Height
3 Width
4 Paint or fabric color number for skin
5 Fabric direction (see below under Required Selections)
6 Top mount type (see below under Required Selections)
7 Bottom mount type (see below under Required Selections)
8 Cable management cut-out and cut-out type (see below under Required Selections)
9 Options, if selected (see below)

▶ See *Surface Materials,* page 222.

Required Selections		U.S. Price		Required to Specify
Fabric Direction	**Fabric skins**	**Per Frame**	**Per Sq/Ft**	
	• Horizontal	No cost	N.A.	Specify *with horizontal application.*
	• Vertical	No cost	N.A.	Specify *with vertical application.*
Top Mount Type	• Ceiling	No cost	N.A.	Specify *with ceiling top mount.*
	• Intermediate	No cost	N.A.	Specify *with intermediate top mount.*
Bottom Mount Type	• Floor	No cost	N.A.	Specify *with floor bottom mount.*
	• Intermediate	No cost	N.A.	Specify *with intermediate bottom mount.*
Cable Management	**Cut-out**			
	• Hardwire single	+$11.44 per cutout		Specify *with hardwire single.*
	• Hardwire double	+$11.44 per cutout		Specify *with hardwire double.*
	• Hardwire triple	+$11.44 per cutout		Specify *with hardwire triple.*
	• Hardwire fourplex	+$11.44 per cutout		Specify *with hardwire fourplex.*
	• Modular double	+$24.11 per cutout		Specify *with modular double.*
	• Comm only - modular	+$11.44 per cutout		Specify *with comm only - modular.*
	• Comm only - no box	+$11.44 per cutout		Specify *with comm only - no box.*
	• Surface Hub 2	+$11.44 per cutout		Specify *with surface hub 2.*

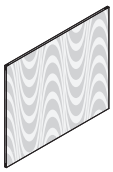
Options		U.S. Price		Required to Specify
Surface Materials	**Frames**	**Per Skin**	**Per Sq/Ft**	
	• Paint price group 1	No cost	No cost	Specify paint color number.
	• Paint price group 2	+$ 1.66	+$ 1.31	Specify paint color number.
	• Paint price group 3	+$ 1.66	+$ 2.60	Specify paint color number.
	• Fabric price group 1	+$47.38	+$ 7.60	Specify fabric color number.
	• Fabric price group 2	+$47.38	+$ 9.06	Specify fabric color number.
	• Fabric price group 3	+$47.38	+$10.77	Specify fabric color number.
	• Fabric price group 4	+$47.38	+$11.70	Specify fabric color number.
	• Fabric price group 5	+$47.38	+$12.65	Specify fabric color number.
	• Fabric price group 6	+$47.38	+$16.97	Specify fabric color number.
	• Fabric price group 7	+$47.38	+$21.90	Specify fabric color number.
	• Fabric price group 8	+$47.38	+$27.16	Specify fabric color number.
	• Fabric price group 9	+$47.38	+$31.79	Specify fabric color number.
	• Fabric price group 10	+$47.38	+$36.72	Specify fabric color number.

Specification Information

• Style Number	• Square Foot (Sq/Ft)	• U.S. Base Price	
		Per Skin	Per Sq/Ft
FESSS	0.50000"–12.00000"	$247.77	+$60.96
	12.00001"–24.00000"	$ 52.40	+$59.31
	24.00001"–50.00000"	$ 40.10	+$52.58

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

Solid Veneer Skin



▶ Need help? Product details, page 40

Standard Includes	Required to Specify
• Height: 6"–120" • Width: 6"–120" • Skin: wood veneer	1 Style number 2 Height 3 Width 4 Wood veneer color number for skin 5 Wood grain direction for skins (see below under Required Selections) 6 Top mount type (see below under Required Selections) 7 Bottom mount type (see below under Required Selections) 8 Cable management cut-out type and location, if selected (see below under Required Selections) 9 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price		Required to Specify
		Per Frame	**Per Sq/Ft**	
Wood Grain Direction	**Skins**			
	• Horizontal application	No cost	N.A.	Specify *with horizontal application.*
	• Vertical application	No cost	N.A.	Specify *with vertical application.*
Top Mount Type	• Ceiling	No cost	N.A.	Specify *with ceiling top mount.*
	• Intermediate	No cost	N.A.	Specify *with intermediate top mount.*
Bottom Mount Type	• Floor	No cost	N.A.	Specify *with floor bottom mount.*
	• Intermediate	No cost	N.A.	Specify *with intermediate bottom mount.*
Cable Management	**Cut-out**			
	• Hardwire single	+$11.44 per cutout		Specify *with hardwire single.*
	• Hardwire double	+$11.44 per cutout		Specify *with hardwire double.*
	• Hardwire triple	+$11.44 per cutout		Specify *with hardwire triple.*
	• Hardwire fourplex	+$11.44 per cutout		Specify *with hardwire fourplex.*
	• Modular double	+$24.11 per cutout		Specify *with modular double.*
	• Comm only - modular	+$11.44 per cutout		Specify *with comm only - modular.*
	• Comm only - no box	+$11.44 per cutout		Specify *with comm only - no box.*
	• Surface Hub 2	+$11.44 per cutout		Specify *with surface hub 2.*

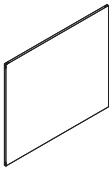
	Options	U.S. Price		Required to Specify
		Per Skin	**Per Sq/Ft**	
Surface Materials	**Frames**			
	• Composite veneer price group 1	No cost	No cost	Specify composite veneer color number.
	• Composite veneer price group 2	+$ 1.76	+$14.00	Specify composite veneer color number.
	• Wood group 1	No cost	No cost	Specify wood color number.
	• Wood group 2	+$ 1.94	+$15.40	Specify wood color number.
	• Wood group 3	+$ 1.94	+$56.40	Specify wood color number.
	• Customiz stain	No cost	No cost	Specify *with customiz stain.*

Specification Information

Style Number	Square Foot (Sq/Ft)	U.S. Base Price	
		Per Skin	Per Sq/Ft
FESSV	1.25000"–6.00000"	$1000.60	+$131.25
	6.00001"–20.00000"	$ 940.82	+$ 72.13
	20.00001"–50.00000"	$ 901.79	+$ 71.11

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

Solid Laminate Skin



Tip: High-Pressure Laminate skins are not available for use in Canada.

	Standard Includes	Required to Specify
▶ Need help? Product details, page 40	• Height: 6"–120" • Width: 6"–120" • Skin: Low-Pressure Laminate (LPL) or High-Pressure Laminate (HPL) price group 1	1 Style number 2 Height 3 Width 4 Laminate color number for skin 5 Wood grain direction (see below under Required Selections) 6 Top mount type (see below under Required Selections) 7 Bottom mount type (see below under Required Selections) 8 Cable management cut-out and cut-out type (see below under Required Selections) 9 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price		Required to Specify
Wood Grain Direction	**Skins**	**Per Frame**	**Per Sq/Ft**	
	• Horizontal application	No cost	N.A.	Specify *with horizontal application.*
	• Vertical application	No cost	N.A.	Specify *with vertical application.*
Top Mount Type	• Ceiling	No cost	N.A.	Specify *with ceiling top mount.*
	• Intermediate	No cost	N.A.	Specify *with intermediate top mount.*
Bottom Mount Type	• Floor	No cost	N.A.	Specify *with floor bottom mount.*
	• Intermediate	No cost	N.A.	Specify *with intermediate bottom mount.*
Cable Management	**Cut-out**			
	• Hardwire single	+$11.44 per cutout		Specify *with hardwire single.*
	• Hardwire double	+$11.44 per cutout		Specify *with hardwire double.*
	• Hardwire triple	+$11.44 per cutout		Specify *with hardwire triple.*
	• Hardwire fourplex	+$11.44 per cutout		Specify *with hardwire fourplex.*
	• Modular double	+$24.11 per cutout		Specify *with modular double.*
	• Comm only - modular	+$11.44 per cutout		Specify *with comm only - modular.*
	• Comm only - no box	+$11.44 per cutout		Specify *with comm only - no box.*
	• Surface Hub 2	+$11.44 per cutout		Specify *with surface hub 2.*

	Options	U.S. Price		Required to Specify
Surface Materials	**Frames**	**Per Skin**	**Per Sq/Ft**	
	• Laminate price group 1 – Low-Pressure	No cost	No cost	Specify laminate color number.
	• Laminate price group 1 – High-Pressure	No cost	+$11.87	Specify laminate color number.
	• Laminate price group 2 – High-Pressure	No cost	+$23.29	Specify laminate color number.
	• Laminate price group 3 – High-Pressure	No cost	+$29.26	Specify laminate color number.
	• Open Line laminate	No cost	+$11.87	▶ See *Surface Materials Reference Manual.*

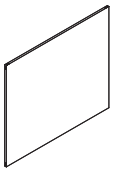
Specification Information

Style Number	Square Foot (Sq/Ft)	U.S. Base Price	
		Per Skin	Per Sq/Ft
FESSL	0.50000"–12.00000"	$178.85	+$44.38
	12.00001"–24.00000"	$ 39.06	+$44.80
	24.00001"–50.00000"	$ 31.51	+$40.34

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

Ceramic Skin

Ceramic Skin



Standard Includes	Required to Specify
▶ Need help? Product details, page 40	1 Style number 2 Height 3 Width 4 Top mount type (see below under Required Selections) 5 Bottom mount type (see below under Required Selections)
• Height: 24"–120" • Width: 24"–120" • Skin with ceramic markerboard surface • Trim: 4145 Milk Gloss paint only	

	Required Selections	U.S. Price	Required to Specify
Top Mount Type	• Ceiling	No cost	Specify *with ceiling top mount.*
	• Intermediate	No cost	Specify *with intermediate top mount.*
Bottom Mount Type	• Floor	No cost	Specify *with floor bottom mount.*
	• Intermediate	No cost	Specify *with intermediate bottom mount.*

Specification Information

Style Number	Square Foot (Sq/Ft)	U.S. Base Price	
		Per Skin	Per Sq/Ft
FESC	4.00000"–12.00000"	$144.39	+$77.76
	12.00001"–40.00000"	$ 48.81	+$92.26

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

Hardware

Flush Skin Seal

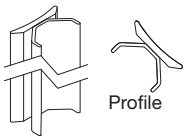
Profile

Standard Includes	Required to Specify
▶ Need help? Product details, page 40	• Flush skin seal: clear plastic • Length: 120"	Style number

Specification Information

Style Number	Length	U.S. Price
FESSF	120"	$73.67

90° Inside Corner Flush Skin Seal



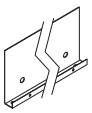
Profile

Standard Includes	Required to Specify
▶ Need help? Product details, page 42	• Flush skin seal: clear plastic • Length: 120"	Style number

Specification Information

Style Number	Length	U.S. Price
FESSFIC90	120"	$137.14

Cove Base Trim—Straight



Standard Includes	Required to Specify
▶ Need help? Product details, page 42	• Cove base trim • Length: 75"	Style number

Specification Information

Style Number	Length	U.S. Price
FEBTSC	75"	$142.70

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

Junction Cover Retention Clip

Standard Includes	Required to Specify
▶ Need help? Product details, page 43	• Single clip: steel	Style number

Specification Information

• Style Number	• U.S. Price
FEIJRC	$70.57

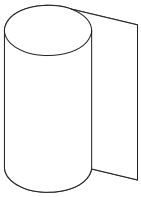
Tip: Three clips required for 90° outside corners 120" tall or less. Four clips required for corners over 120".

Tip: For use on 90° outside corners only when using flush skin seals and 90° inside corner flush skin seals.

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

Acoustic Products

Acoustic Insulation

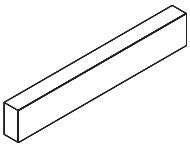


Standard Includes	Required to Specify
▶ Need help? Product details, page 43	• One roll – 48" wide x 87 feet long x 2 layers (696 square feet)	Style number

Specification Information

• Style Number	• U.S. Price
FESIA	$860.11

Acoustic Skin Seal



Tip: Horizontal acoustic seals are cut to length during installation.

Standard Includes	Required to Specify
▶ Need help? Product details, page 40	• 120"W seal	Style number

Specification Information

• Style Number	• U.S. Price
FESSA2	$38.39

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

Specifying Reversible Swing Doors

Single Reversible Swing Door Frame	**154**
Single Reversible Solid Swing Door Leaf	**156**
Single Reversible Polished Edge Swing Door Leaf	**158**
Pair of Reversible Swing Door Frames	**160**
Pair of Reversible Solid Swing Door Leaves	**162**
Pair of Reversible Polished Edge Swing Door Leaves	**164**
Door Hardware	**165**

Single Reversible Swing Door Frame

▶ Need help? Product details, page 46

Standard Includes	Required to Specify
• Door frame: paint or 8043 Clear Anodized Aluminum • Height: 82.44100"–123.71627" • Width: 28"–44.445" • Hinges: metal • Strike plate: 9200 Satin Chrome or 9201 Polished Chrome	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum or paint color number for frame 5 Brushed stainless, polished chrome, or black for hinges 6 Top mount type (see below under Required Selections) 7 Handedness (see below under Required Selections) 8 Door type (see below under Required Selections) 9 Latch prep (see below under Required Selections) 10 Roller latch (see below under Required Selections) 11 Door hardware (see below under Required Selections) 12 Strike plate (see below under Required Selections) 13 Electrification (see below under Required Selections) 14 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

Tip: When the black finish is specified, the strike plate will default to the satin chrome finish.

Tip: The roller latch plate is not available in 9201 Polished Chrome, therefore, 9200 Satin Chrome will be defaulted when the hardware finish selected is either 9201 Polished Chrome or 9200 Satin Chrome.

Tip: Finishes for door hardware can vary slightly from one component to another depending on base metal materiality and finishing processes. When hardware is specified for common assemblies, all hardware components may not match exactly, but are designed to be compatible within a common door opening.

Tip: Electrification option is only available when cylindrical or mortise latch prep is selected. Electrification is not available when push/pull handles are selected.

	Required Selections	U.S. Price	Required to Specify
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Handedness	• Right hand	No cost	Specify *with right hand.*
	• Left hand	No cost	Specify *with left hand.*
Door Type	• Solid	No cost	Specify *with solid door.*
	• Polished edge (<=84")	+$191.04	Specify *with polished edge door.*
	• Polished edge (>84")	+$254.72	Specify *with polished edge door.*
Latch Prep	• Cylindrical	No cost	Specify *with cylindrical latch prep.*
	• Ladder aligned	No cost	Specify *with ladder aligned latch prep.*
	• Ladder offset	No cost	Specify *with ladder offset latch prep.*
	• Mortise	No cost	Specify *with mortise latch prep.*
	• Push/pull handle	No cost	Specify *with push/pull handle latch prep.*
Roller Latch (only if push/ pull handles)	• No roller latch	No cost	Specify *with no roller latch.*
	• Top roller latch	No cost	Specify *with roller latch.*
Door Hardware (only if cylindrical or mortise)	• Satin chrome	No cost	Specify *with satin chrome.*
	• Polished chrome (3 hinges)	+$109.56	Specify *with polished chrome.*
	• Polished chrome (4 hinges)	+$146.08	Specify *with polished chrome.*
	• Low gloss black (3 hinges)	+$692.38	Specify *with low gloss black.*
	• Low gloss black (4 hinges)	+$923.16	Specify *with low gloss black.*
Strike Plate (if latch prep is mortise)	• Type 1	No cost	Specify *with type 1 strike plate.*
	• Type 2	No cost	Specify *with type 2 strike plate.*
	• No strike plate	–$ 84.05	Specify *with no strike plate.*
Electrification	• No electrification	No cost	Specify *with no electrification.*
	• With electrification	–$216.11	Specify *with electrification.*

	Options	U.S. Price	Required to Specify
Surface Materials	**Frames**	**Per Sq/Ft**	
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 1.30	Specify paint color number.
	• Paint price group 3	+$ 2.30	Specify paint color number.
	• Anodized	+$ 1.09	Specify *with anodized.*

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

Specification Information

Style Number	U.S. Base Price	Add per inch height of frame	Add per frame when frame is not equal to 40"	Add per frame for 4th hinge when ceiling height and height > 93.71700" or when intermediate height and height > 92.60600"
FEDFSWSR	$3850.48	+$3.23	+$93.75	+$262.02 (for solid door) +$508.33 (for polished edge door)

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

Single Reversible Solid Swing Door Leaf

▶ Need help? Product details, page 46

Standard Includes	Required to Specify
• Door leaf: paint or veneer • Height: 82.44100"–123.71627" • Width: 28"–44.445"	1 Style number 2 Height 3 Width 4 Paint or veneer color number for door leaf 5 Acoustic seal (see below under Required Selections) 6 Top mount type (see below under Required Selections) 7 Latch prep (see below under Required Selections) 8 Roller latch (see below under Required Selections) 9 Door closer (see below under Required Selections) 10 Electrification (see below under Required Selections) 11 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Acoustic Seal	• No seal • Drop seal	No cost +$ 73.42	Specify *with no drop seal.* Specify *with drop seal.*
Top Mount Type	• Ceiling • Intermediate	No cost No cost	Specify *with ceiling mount.* Specify *with intermediate mount.*
Latch Prep	• Cylindrical • Ladder aligned • Ladder offset • Mortise • Push/pull handles	No cost No cost No cost +$ 31.25 No cost	Specify *with cylindrical.* Specify *with ladder aligned.* Specify *with ladder offset.* Specify *with mortise.* Specify *with push/pull handles.*
Roller Latch (only if push/pull handles)	• No roller latch • Top roller latch	No cost +$ 31.25	Specify *with no roller latch.* Specify *with roller latch.*
Door Closer (only if mortise or cylindrical)	• No door closer • Surface mounted door closer	No cost No cost	Specify *with no door closer.* Specify *with surface mounted door closer.*
Electrification	• No electrification • With electrification	No cost +$ 173.05	Specify *with no electrification.* Specify *with electrification.*

Tip: Electrification option is only available when cylindrical or mortise latch prep is selected. Electrification is not available when push/pull handles are selected.

Options	U.S. Price	Required to Specify
Surface Materials		
• Paint price group 1	No cost	Specify paint color number.
• Paint price group 3	+$ 169.83	Specify paint color number.
• Composite veneer price group 1	+$ 94.38	Specify composite veneer color number.
• Composite veneer price group 2	+$ 467.54	Specify composite veneer color number.
• Flat-cut wood veneer	+$ 103.82	Specify flat-cut wood color number.
• Quarter-cut/rift-cut wood veneer	+$ 296.34	Specify quarter-cut/rift-cut wood color number.
• Wood group 2	+$ 514.30	Specify wood color number.
• Wood group 3	+$1797.29	Specify wood color number.
• Customiz stain	+$ 103.82	Specify *with customiz stain.*

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

Specification Information

Style Number	U.S. Base Price	Add per inch height of door when height > 82.44100"	Add per door when door width is not equal to 40"	Add per door for 4th hinge when ceiling height and height > 93.71700" or when intermediate height and height > 92.60600"
FEDLSWSSR	$2525.78	+$20.16	+$92.02	+$49.84

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

Single Reversible Polished Edge Swing Door Leaf

Standard Includes	Required to Specify
▶ Need help? Product details, page 46	1 Style number
• Door leaf: polished edge glass	2 Height
• Height: 82.44100"–123.71627"	3 Width
• Width: 28"–44.445"	4 Glass number for door leaf
• Housing for latch set or roller latch, if selected	5 Glass orientation (see below under Required Selections)
	6 Top mount type (see below under Required Selections)
	7 Handedness (see below under Required Selections)
	8 Latch prep (see below under Required Selections)
	9 Frame prep (see below under Required Selections)
	10 Door closer (see below under Required Selections)
	11 Door hardware (see below under Required Selections)
	12 Options, if selected (see below)
	▶ See *Surface Materials,* page 222.

Tip: Glass orientation applies only when 6542 Satin or 6588 Bamboo glass finishes specified.

Tip: The roller latch housing is not available in 9201 Polished Chrome, therefore, 9200 Satin Chrome will be defaulted when the hardware finish selected is either 9201 Polished Chrome or 9200 Satin Chrome.

Tip: Finishes for door hardware can vary slightly from one component to another depending on base metal materiality and finishing processes. When hardware is specified for common assemblies, all hardware components may not match exactly, but are designed to be compatible within a common door opening.

Required Selections		U.S. Price	Required to Specify
Glass Orientation	• Polished to inside	No cost	Specify *with polished to inside.*
	• Polished to outside	No cost	Specify *with polished to outside.*
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Handedness	• Right hand	No cost	Specify *with right hand.*
	• Left hand	No cost	Specify *with left hand.*
Latch Prep	• Cylindrical	No cost	Specify *with cylindrical latch prep.*
	• Ladder aligned	No cost	Specify *with ladder aligned latch prep.*
	• Ladder offset	No cost	Specify *with ladder offset latch prep.*
	• Mortise	+$748.91	Specify *with mortise latch prep.*
	• Push/pull handles	–$205.74	Specify *with push/pull handles latch prep.*
Frame Prep (only if push/pull handles)	• No roller latch	No cost	Specify *with no roller latch.*
	• Top roller latch	+$709.10	Specify *with roller latch.*
Door Closer (only if mortise or cylindrical)	• No door closer	No cost	Specify *with no door closer.*
	• Surface mounted door closer	+$187.30	Specify *with surface mounted door closer.*
Door Hardware (only if mortise or, cylindrical or roller latch)	• 4710 Low Gloss Black	No cost	Specify *with low gloss black.*
	• 9200 Satin Chrome	+$ 56.15	Specify *with satin chrome.*
	• 9201 Polished Chrome	+$220.85	Specify *with polished chrome.*

Options		U.S. Price	Required to Specify
Surface Materials	**Glass (per square foot of door)**		
	• Glass price group 1	No cost	Specify paint color number.
	• Glass price group 3	+$ 32.69	Specify paint color number.
	• COG (Customer's Own Glass)	–$ 6.33	Specify paint color number.

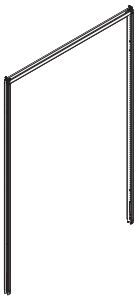
For Canadian Pricing
Multiply U.S. Price by the Canadian price factor.
▶ See page 1 for details.

Specification Information

Style Number	U.S. Base Price	Add per Sq/Ft of door	Add per frame for 4th hinge when ceiling height and height > 93.71700" or when intermediate height and height > 92.60600"
FEDLSWPSR	$1454.10	+$84.08	+$187.30

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

Pair of Reversible Swing Door Frames



▶ Need help? Product details, page 46

Standard Includes

- Door frame: paint or 8043 Clear Anodized Aluminum
- Height: 82.44100"–123.71627"
- Width: 48"–80"
- Hinges: metal
- Strike plate: 9200 Satin Chrome or 9201 Polished Chrome
- Shim plates for hinges brush seal (when polished glass doors are specified)
- Astragal (when inactive door is specified)

Required to Specify

1 Style number
2 Height
3 Width
4 Active door width
5 Paint or anodized aluminum or paint color number for frame
6 Brushed stainless, polished chrome, or black for hinges
7 Paint or anodized aluminum or paint color number for astragal
8 Acoustic seal (see below under Required Selections)
9 Top mount type (see below under Required Selections)
10 Handedness (see below under Required Selections)
11 Door type (see below under Required Selections)
12 Roller latch (see below under Required Selections)
13 Door hardware (see below under Required Selections)
14 Electrification (see below under Required Selections)
15 Options, if selected (see below)

▶ See *Surface Materials,* page 222.

Tip: When the black finish is specified, the strike plate will default to the satin chrome finish.

Tip: The roller latch plate is not available in 9201 Polished Chrome, therefore, 9200 Satin Chrome will be defaulted when the hardware finish selected is either 9201 Polished Chrome or 9200 Satin Chrome.

Tip: Finishes for door hardware can vary slightly from one component to another depending on base metal materiality and finishing processes. When hardware is specified for common assemblies, all hardware components may not match exactly, but are designed to be compatible within a common door opening.

	Required Selections	U.S. Price	Required to Specify
Acoustic Seal	• No seal	No cost	Specify *with no seal.*
	• Drop seal	No cost	Specify *with drop seal.*
	• Vertical seal	+$ 1.77	Specify *with vertical seal.*
	• Drop seal and vertical seal	No cost	Specify *with drop and vertical seal.*
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Handedness	• Right-hand active	+$524.44	Specify *with right-hand active.*
	• Left-hand active	+$524.44	Specify *with left-hand active.*
	• Both hands active	No cost	Specify *with both hands active.*
Door Type	• Solid	No cost	Specify *with solid door.*
	• Polished edge	+$382.08	Specify *with polished edge door.*
Roller Latch	• No roller latch	No cost	Specify *with no roller latch.*
	• Roller latch	No cost	Specify *with roller latch.*
Door Hardware	• Satin chrome	No cost	Specify *with satin chrome.*
	• Low gloss black	No cost	Specify *with low gloss black.*
	• Polished chrome (6 hinges)	+$219.16	Specify *with polished chrome.*
Electrification	• No electrification	No cost	Specify *with no electrification.*
	• Electrification lock	–$216.11	Specify *with electrification lock.*
	• Electrification strike	–$216.11	Specify *with electrification strike.*

	Options	U.S. Price	Required to Specify
Surface Materials	**Frames**		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 1.30	Specify paint color number.
	• Paint price group 3	+$ 2.30	Specify paint color number.
	• Anodized	+$ 1.09	Specify *with anodized.*
	Astragal		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	No cost	Specify paint color number.
	• Paint price group 3	No cost	Specify paint color number.
	• Anodized	No cost	Specify *with anodized.*

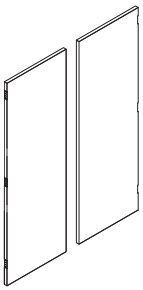
For Canadian Pricing
Multiply U.S. Price by the Canadian price factor.
▶ See page 1 for details.

Specification Information

Style Number	U.S. Base Price	Add per inch height of frame	Add per frame when frame is not equal to 80"	Add per frame for 4th hinge when ceiling height and height > 93.71700" or when intermediate height and height > 92.60600"
FEDFSWPR	$5081.87	+$3.23	+$93.75	+$ 524.04 (for solid door) +$1016.66 (for polished edge door)

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

Pair of Reversible Solid Swing Door Leaves



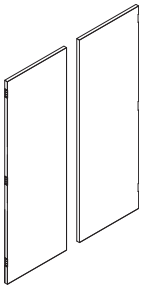
▶ Need help? Product details, page 46

Standard Includes	Required to Specify
• Door leaf: paint or veneer • Height: 82.44100"–123.71627" • Width: 48"–80"	1 Style number 2 Height 3 Width 4 Active door width 5 Paint or veneer color number for door leaves 6 Acoustic seal (see below under Required Selections) 7 Top mount type (see below under Required Selections) 8 Handedness (see below under Required Selections) 9 Latch prep (see below under Required Selections) 10 Roller latch (see below under Required Selections) 11 Door closer (see below under Required Selections) 12 Electrification (see below under Required Selections) 13 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Acoustic Seal	• No seal	No cost	Specify *with no seal.*
	• Drop seal	+$ 146.83	Specify *with drop seal.*
	• Vertical seal	+$ 31.25	Specify *with vertical seal.*
	• Drop seal and vertical seal	+$ 178.09	Specify *with drop and vertical seal.*
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Handedness	• Right-hand active	No cost	Specify *with right-hand active.*
	• Left-hand active	No cost	Specify *with left-hand active.*
	• Both hands active	No cost	Specify *with both hands active.*
Latch Prep	• Cylindrical	No cost	Specify *with cylindrical latch prep.*
	• Ladder, aligned	No cost	Specify *with ladder, aligned latch prep.*
	• Ladder, offset	No cost	Specify *with ladder, offset latch prep.*
	• Mortise	+$ 31.25	Specify *with mortise latch prep.*
	• No latch prep	No cost	Specify *with no latch prep.*
	• Push/pull handles	No cost	Specify *with push/pull handles latch prep.*
Roller Latch (only if ladder or no latch prep)	• No roller latch	No cost	Specify *with no roller latch.*
	• Roller latch	+$ 31.25	Specify *with roller latch.*
Door Closer	• No door closer	No cost	Specify *with no door closer.*
	• Surface mounted door closer	No cost	Specify *with surface mounted door closer.*
Electrification	• No electrification	No cost	Specify *with no electrification.*
	• Electrification lock	+$ 173.05	Specify *with electrification lock.*

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 3	+$ 339.66	Specify paint color number.
	• Composite veneer price group 1	+$ 188.76	Specify composite veneer color number.
	• Composite veneer price group 2	+$ 935.08	Specify composite veneer color number.
	• Flat-cut wood veneer	+$ 207.64	Specify flat-cut wood color number.
	• Quarter-cut/rift-cut wood veneer	+$ 592.68	Specify quarter-cut/rift-cut wood color number.
	• Wood group 2	+$1028.60	Specify wood color number.
	• Wood group 3	+$3594.58	Specify wood color number.
	• Customiz stain	+$ 207.64	Specify *with customiz stain.*

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

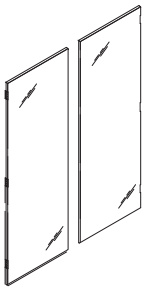


Specification Information

Style Number	U.S. Base Price	Add per inch height of frame when height >82.44100"	Add per frame when frame is not equal to 80"	Add per frame for 4th hinge when ceiling height and height > 93.71700" or when intermediate height and height > 92.60600"
FEDLSWSPR	$5052.72	+$40.32	+$92.02	+$99.68

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

Pair of Reversible Polished Edge Swing Door Leaves



Need help? Product details, page 46

Standard Includes

- Door leaf: polished edge glass
- Height: 82.44100"–123.71627"
- Width: 48"–80"
- Housings for roller latch, if selected

Required to Specify

1 Style number
2 Height
3 Width
4 Active door width
5 Glass number for door leaf
6 Glass orientation (see below under Required Selections)
7 Top mount type (see below under Required Selections)
8 Handedness (see below under Required Selections)
9 Latch prep (see below under Required Selections)
10 Roller latch (see below under Required Selections)
11 Door closer (see below under Required Selections)
12 Hardware finish (roller latch), if selected (see below under Required Selections)
13 Options, if selected (see below)

See *Surface Materials,* page 222.

Tip: Glass orientation applies only when satin or bamboo glass finishes specified.

	Required Selections	U.S. Price	Required to Specify
Glass Orientation	• Polished to inside	No cost	Specify *with polished to inside.*
	• Polished to outside	No cost	Specify *with polished to outside.*
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Handedness	• Both hands active	No cost	Specify *with both hands active.*
Latch Prep	• Ladder, aligned	No cost	Specify *with ladder, aligned latch prep.*
	• Ladder, offset	No cost	Specify *with ladder, offset latch prep.*
	• Push/pull handles	No cost	Specify *with push/pull handles latch prep.*
Roller Latch	• No roller latch	No cost	Specify *with no roller latch.*
	• Roller latch	+$1418.19	Specify *with roller latch.*
Door Closer	• No door closer	No cost	Specify *with no door closer.*
	• Surface mounted door closer	+$ 374.61	Specify *with surface mounted door closer.*
Hardware Finish	• Satin chrome	No cost	Specify *with satin chrome.*
	• Low gloss black	+$ 435.98	Specify *with low gloss black.*

Tip: Finishes for door hardware can vary slightly from one component to another depending on base metal materiality and finishing processes. When hardware is specified for common assemblies, all hardware components may not match exactly, but are designed to be compatible within a common door opening.

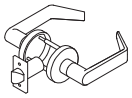
	Options	U.S. Price	Required to Specify
Surface Materials	**Glass (per square foot of door)**		
	• Glass price group 1	No cost	Specify paint color number.
	• Glass price group 3	+$ 34.50	Specify paint color number.
	• COG (Customer's Own Glass)	–$ 6.57	Specify paint color number.

Specification Information

Style Number	U.S. Base Price	Add per Sq/Ft of door	Add per frame for 4th hinge when ceiling height and height > 93.71700" or when intermediate height and height > 92.60600"
FEDLSWPPR	$2165.94	+$84.08	+$374.60

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

Cylindrical Latch Set



Standard Includes	Required to Specify
▶ Need help? Product details, page 47	1 Style number 2 Hardware finish (see below under Required Selections) 3 Latch prep (see below under Required Selections) 4 Keying (see below under Required Selections)
• Cylindrical latch set: metal	

Tip: When the black finish is specified on latch sets, the strike plate will default to the satin chrome finish.

Tip: Lock cores are only available in 9200 Satin Chrome.

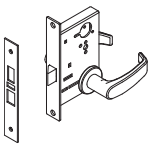
	Required Selections	U.S. Price	Required to Specify
Hardware Finish	• Low gloss black	No cost	Specify *with low gloss black.*
	• Satin chrome	No cost	Specify *with satin chrome.*
	• Polished chrome	+$ 36.52	Specify *with polished chrome.*
Latch Prep	• Passage	No cost	Specify *with passage latch prep.*
	• Lockset	+$336.86	Specify *with lockset latch prep.*
Keying	• Core, keyed random	No cost	Specify *with core random keyed.*
	• No core	No cost	Specify *with no core.*
	• No key	No cost	Specify *with no key.*

Specification Information

• Style Number	• U.S. Base Price
FEDCLO	$919.28

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

Mortise Latch Set



Tip: When using mortise latch sets, once a wood door or a glass door lock housing has been face drilled, it will not be reversible.

Tip: When the black finish is specified on latch sets, the strike plate will default to the satin chrome finish.

Tip: Lock cores are only available in 9200 Satin Chrome.

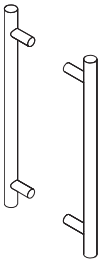
Standard Includes	Required to Specify
▶ Need help? Product details, page 47 • Mortise latch set: metal	1 Style number 2 Hardware finish (see below under Required Selections) 3 Latch prep (see below under Required Selections) 4 Keying (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Hardware Finish	• Low gloss back	No cost	Specify *with low gloss black.*
	• Satin chrome	No cost	Specify *with satin chrome.*
	• Polished chrome	+$ 53.09	Specify *with polished chrome.*
Latch Prep	• Passage	No cost	Specify *with passage latch prep.*
	• Lockset	+$302.00	Specify *with lockset latch prep.*
Keying	• Core, keyed random	No cost	Specify *with core random keyed.*
	• No core	No cost	Specify *with no core.*
	• No key	No cost	Specify *with no key.*

Specification Information

• Style Number	• U.S. Base Price
FEDMLO	$1556.64

Push/Pull Handle



Standard Includes	Required to Specify
▶ Need help? Product details, page 47 • Push/pull handle: metal	1 Style number 2 Hardware finish (see below under Required Selections)

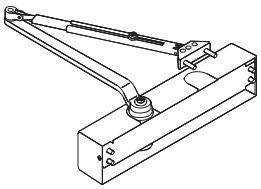
	Required Selections	U.S. Price	Required to Specify
Hardware Finish	• Brushed stainless	No cost	Specify *with brushed stainless.*
	• Low gloss black	+$46.95	Specify *with low gloss black.*

Specification Information

• Style Number	• U.S. Base Price
FEDPPH	$225.17

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

Door Closer



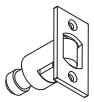
Standard Includes	Required to Specify
▶ Need help? Product details, page 48	• Surface mounted door closer: metal	1 Style number 2 Door type (see below under Required Selections) 3 Surface materials (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Door Type	• Solid	No cost	Specify *with solid door.*
	• Polished edge	No cost	Specify *with polished edge door.*
Surface Materials	• Low gloss black	No cost	Specify *with low gloss black.*
	• Platinum metallic	No cost	Specify *with platinum metallic.*

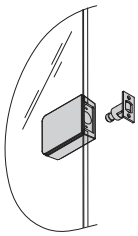
Specification Information

• Style Number	• U.S. Price
FEDCLS	$1003.42

Roller Latch



Roller Latchset for Solid Door



Roller Latchset for Polished Edge Door

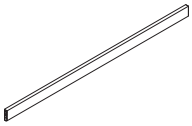
Standard Includes	Required to Specify
▶ Need help? Product details, page 48	• Roller latch: 8031 Brushed Stainless	Style number

Specification Information

• Style Number	• U.S. Price
FEDRL	$217.84

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

Door Drop Seal



Tip: Dome stops and base stops are not recommended when using polished glass doors with drop seals.

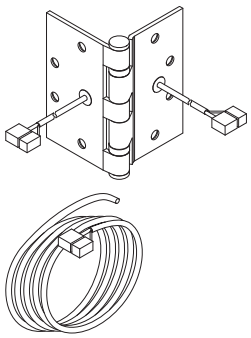
	Standard Includes	Required to Specify
▶Need help? Product details, page 48	• Door drop seal for reversible swing door: metal • Width: 28"–44.445"	1 Style number 2 Width 3 Door type (see below under Required Selections) 4 Drop seal finish (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Drop Seal	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 6.59	Specify paint color number.
	• Paint price group 3	+$27.20	Specify paint color number.
	• Anodized aluminum	No cost	Specify *with anodized aluminum.*
Door Type	• Solid	No cost	Specify *with solid door.*
	• Polished edge	No cost	Specify *with polished edge door.*

Specification Information

Style Number	U.S. Base Price
FEDDS	$495.24

Electric Hinge



	Standard Includes	Required to Specify
▶Need help? Product details, page 48	• One electric hinge with wire conductors and modular connectors • Low voltage harness X 132"	1 Style number 2 Hardware finish (see below under Required Selections)

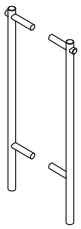
	Required Selections	U.S. Price	Required to Specify
Hardware Finish	• Satin chrome	No cost	Specify *with satin chrome.*
	• Polished chrome	+$ 36.52	Specify *with polished chrome.*
	• Low gloss black	+$131.93	Specify *with low gloss black.*

Specification Information

Style Number	U.S. Base Price
FEDHE	$1065.80

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

Ladder Pull, Aligned



Tip: Latch prep with lockset includes cylinder with random keyed removable core.

Tip: Lock cores are only available in 9200 Satin Chrome.

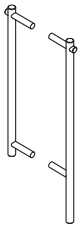
Standard Includes	Required to Specify
▶Need help? Product details, page 48 • Ladder pull, aligned: metal	1 Style number 2 Hardware finish (see below under Required Selections) 3 Latch prep (see below under Required Selections) 4 Door type (see below under Required Selections) ▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Hardware Finish	• Low gloss black • Brushed stainless	No cost +$ 898.40	Specify *with low gloss black.* Specify *with brushed stainless.*
Latch Prep	• Passage • Lockset	No cost +$2875.92	Specify *with passage latch prep.* Specify *with lockset latch prep.*
Door Type	• Polished edge • Solid	No cost +$ 336.23	Specify *with polished edge door.* Specify *with solid door.*

Specification Information

• Style Number	• U.S. Base Price
FEDLPA	$2308.47

Ladder Pull, Offset



Tip: Latch prep with lockset includes cylinder with random keyed removable core.

Tip: Lock cores are only available in 9200 Satin Chrome.

Standard Includes	Required to Specify
▶Need help? Product details, page 48 • Ladder pull, offset: metal	1 Style number 2 Hardware finish (see below under Required Selections) 3 Latch prep (see below under Required Selections) 4 Door type (see below under Required Selections) ▶See *Surface Materials,* page 222.

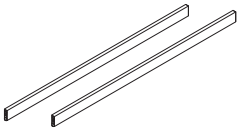
	Required Selections	U.S. Price	Required to Specify
Hardware Finish	• Low gloss black • Brushed stainless	No cost +$ 662.66	Specify *with low gloss black.* Specify *with brushed stainless.*
Latch Prep	• Passage • Lockset	No cost +$2875.92	Specify *with passage latch prep.* Specify *with lockset latch prep.*
Door Type	• Polished edge • Solid	No cost +$ 336.23	Specify *with polished edge door.* Specify *with solid door.*

Specification Information

• Style Number	• U.S. Base Price
FEDLPO	$2308.47

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

Door Drop Seals



Standard Includes	Required to Specify
▶ Need help? Product details, page 48 • Pair of door drop seals: metal	1 Style number 2 Door type (see below under Required Selections) 3 Drop seal finish (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Drop Seal Finish	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$13.21	Specify paint color number.
	• Paint price group 3	+$54.39	Specify paint color number.
	• Anodized aluminum	No cost	Specify *with anodized aluminum.*
Door Type	• Solid	No cost	Specify *with solid door.*
	• Polished edge	No cost	Specify *with polished edge door.*

Specification Information

• Style Number	• U.S. Base Price
FEDDSP	$990.48

Flush Bolts

Standard Includes	Required to Specify
▶ Need help? Product details, page 49 • Pair of flush bolts: metal	1 Style number 2 Hardware finish (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Hardware Finish	• Satin chrome	No cost	Specify *with satin chrome.*
	• Polished chrome	+$ 72.70	Specify *with polished chrome.*
	• Low gloss black	+$100.52	Specify *with low gloss black.*

Specification Information

• Style Number	• U.S. Base Price
FEDFBP	$432.83

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

Specifying Slider Doors

Single Surface Mounted Slider Door Frame 172
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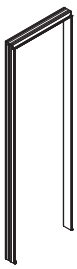
Reinforced Track for Pair of Surface Mounted Slider Doors 179
Slider Door Track Bracket 180

Single Surface Mounted Slider Door Frame



▶ Need help? Product details, page 52

Standard Includes

- Door frame: paint or 8043 Clear Anodized Aluminum
- Height: 80.984"–120"
- Width: 38"–48"
- Door type: polished edge
- Tubular door pull: metal
- Door frame seals: platinum

Required to Specify

1 Style number
2 Height
3 Width
4 Paint or anodized aluminum color number for frame
5 Top mount type (see below under Required Selections)
6 Handedness (see below under Required Selections)
7 Lock (see below under Required Selections)
8 Pull (see below under Required Selections)
9 Keying (see below under Required Selections)
10 Lever (see below under Required Selections)
11 Cylinder orientation (see below under Required Selections)
12 Hardware lockset and pull finish (see below under Required Selections)
13 Options, if selected (see below)

▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Handedness	• Right hand	No cost	Specify *with right hand.*
	• Left hand	No cost	Specify *with left hand.*
Lock	• No lever lock	No cost	Specify *with no lock.*
	• Lever lock	+$2435.16	Specify *with lever lock.*
Pull	• Push/pull	No cost	Specify *with push/pull.*
	• Separate pull	–$ 257.19	Specify *with separate pull.*
Hardware Lockset and Pull Finish	• Brushed stainless	No cost	Specify *with brushed stainless.*
	• Low gloss black	No cost	Specify *with low gloss black.*
Keying	• No cylinder	–$ 70.89	Specify *with no cylinder.*
	• Core, keyed random	No cost	Specify *with core.*
Lever	• No lever	–$ 347.70	Specify *with no lever.*
	• Lever one	No cost	Specify *with lever one.*
Cylinder Orientation	• Key inside	No cost	Specify *with key inside.*
	• Key outside	No cost	Specify *with key outside.*

Tip: Lock cores are only available in 9200 Satin Chrome.

Tip: Finishes for door hardware can vary slightly from one component to another depending on base metal materiality and finishing processes. When hardware is specified for common assemblies, all hardware components may not match exactly, but are designed to be compatible within a common door opening.

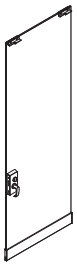
	Options	U.S. Price	Required to Specify
Surface Materials	**Frames**	**Per Sq/Ft**	
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 1.30	Specify paint color number.
	• Paint price group 3	+$ 2.30	Specify paint color number.
	• Anodized	+$ 1.09	Specify *with anodized.*

Specification Information

Style Number	U.S. Base Price	Add per inch height of frame	Add per inch width of frame
FEDFSLSM	$1548.23	+$5.03	+$5.03

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

Single Surface Mounted Polished Edge Slider Door Leaf



▶ Need help? Product details, page 52

Standard Includes

- Door leaf: 1/2" thick polished edge glass
- Bottom trim: paint or 8043 Clear Anodized Aluminum
- Height: 80.984"–120"
- Width: 38"–48"

Required to Specify

1 Style number
2 Height
3 Width
4 Glass color number for door leaf
5 Paint or anodized aluminum color number for bottom trim
6 Glass surface orientation (see below for Required Selections)
7 Top mount type (see below for Required Selections)
8 Handedness (see below for Required Selections)
9 Latch prep (see below for Required Selections)
10 Acoustic seal (see below for Required Selections)
11 Options, if selected (see below)

▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Glass Surface Orientation	• Polished to inside	No cost	Specify *with polished to inside.*
	• Polished to outside	No cost	Specify *with polished to outside.*
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Handedness	• Right hand	No cost	Specify *with right hand.*
	• Left hand	No cost	Specify *with left hand.*
Latch Prep	• Ladder aligned	No cost	Specify *with ladder aligned latch prep.*
	• Ladder offset	No cost	Specify *with ladder offset latch prep.*
	• Lever lock	+$360.37	Specify *with lever lock latch prep.*
	• Push/pull	No cost	Specify *with push/pull latch prep.*
Acoustic Seal	• No seal	No cost	Specify *with no seal.*
	• Drop seal	+$239.92	Specify *with drop seal.*

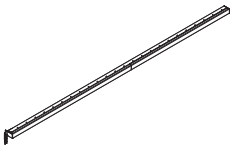
	Options	U.S. Price		Required to Specify
	Bottom trim	**Per Frame**	**Per Sq/Ft**	
Surface Materials	• Paint price group 1	No cost	N.A.	Specify paint color number.
	• Paint price group 2	+$ 11.18	N.A.	Specify paint color number.
	• Paint price group 3	+$ 23.53	N.A.	Specify paint color number.
	• Anodized	+$ 8.08	N.A.	Specify *with anodized.*
	• Glass price group 1	N.A.	No cost	Specify paint color number.
	• Glass price group 3	N.A.	+$34.23	Specify paint color number.
	• COG (Customer's Own Glass)	N.A.	–$ 6.33	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price	Add per Sq/Ft of door
FEDLSLPSM	$999.16	+$75.19

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

Basic Single Surface Mounted Slider Door Track



Tip: Minimum slider door track width with hardware is 69.337"W.

Standard Includes	Required to Specify
▶ Need help? Product details, page 52	• Door track: paint or 8043 Clear Anodized Aluminum • Width: 6"–144" • Door type: polished edge

1 Style number
2 Width
3 Paint or anodized aluminum color number for door track
4 Hardware (see below under Required Selections)
5 Handedness (see below under Required Selections)
6 End configuration left (see below under Required Selections)
7 End configuration right (see below under Required Selections)
8 Utility panel configuration (see below under Required Selections)
9 End notch (see below under Required Selections)
10 Bracket hole count (see below under Required Selections)
11 Bracket hole location (see below under Required Selections)
12 Options, if selected (see below)

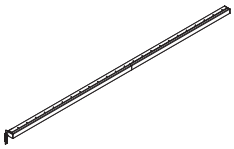
▶ See *Surface Materials,* page 222.

Tip: Handedness, bracket hole count, and bracket hole location only required if hardware is selected.

	Required Selections	U.S. Price	Required to Specify
Hardware	• No hardware	–$1614.33	Specify *with no hardware.*
	• Hardware	No cost	Specify *with hardware.*
Handedness	• Right hand	No cost	Specify *with right hand.*
	• Left hand	No cost	Specify *with left hand.*
End Configuration, Left	• Actual	No cost	Specify actual.
	• At adapter	No cost	Specify at adapter.
	• L junction	No cost	Specify at L junction.
	• Support junction	No cost	Specify at support junction.
	• At junction	No cost	Specify at junction.
	• At bypass	No cost	Specify at bypass.
	• Support bypass	No cost	Specify at support bypass.
	• Cut	No cost	Specify cut.
End Configuration, Right	• Actual	No cost	Specify actual.
	• At adapter	No cost	Specify at adapter.
	• L junction	No cost	Specify at L junction.
	• Support junction	No cost	Specify at support junction.
	• At junction	No cost	Specify at junction.
	• At bypass	No cost	Specify at bypass.
	• Support bypass	No cost	Specify at support bypass.
	• Cut	No cost	Specify cut.
End Notch	• No notch	No cost	Specify no notch.
	• Left notch	No cost	Specify left notch.
	• Right notch	No cost	Specify right notch.
	• Both notch	No cost	Specify both notch.
Bracket Hole Count	• One hole	No cost	Specify *with one hole.*
	• Two holes	No cost	Specify *with two holes.*
Bracket Hole Location	• Hole one location	No cost	Specify X dimension for hole one.
	• Hole two location, if selected	No cost	Specify X dimension for hole two, if selected.

	Options	U.S. Price	Required to Specify
Surface Materials		**Per inch of track**	
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 0.27	Specify paint color number.
	• Paint price group 3	+$ 0.43	Specify paint color number.
	• Anodized	+$ 0.77	Specify *with anodized.*

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

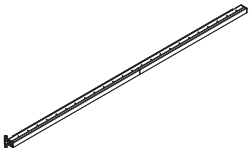


Specification Information

Style Number	U.S. Base Price	Add per inch width of track
FEDTSLSMB	$1820.48	+$5.03

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

Reinforced Single Surface Mounted Slider Door Track



▶ Need help? Product details, page 52

Standard Includes	Required to Specify
• Door track: paint or 8043 Clear Anodized Aluminum • Width: 98.00001"–168" • Door type: polished edge	1 Style number 2 Width 3 Paint or anodized aluminum color number for door track 4 Handedness (see below under Required Selections) 5 End configuration left (see below under Required Selections) 6 End configuration right (see below under Required Selections) 7 Bracket hole location (see below under Required Selections) 8 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Handedness	• Right hand • Left hand	No cost No cost	Specify *with right hand.* Specify *with left hand.*
End Configuration, Left	• Actual	No cost	Specify actual.
End Configuration, Right	• Actual	No cost	Specify actual.
Bracket Hole Location	• Hole one location	No cost	Specify X dimension for hole one.

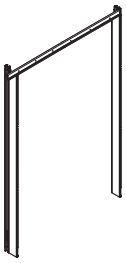
	Options	U.S. Price	Required to Specify
Surface Materials		**Per inch of track**	
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$0.27	Specify paint color number.
	• Paint price group 3	+$0.43	Specify paint color number.
	• Anodized	+$0.77	Specify *with anodized.*

Specification Information

• Style Number	• U.S. Base Price	Add per inch width of track
FEDTSLSMR	$3795.43	+$10.49

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

Frame for Pair of Surface Mounted Slider Doors



Standard Includes	Required to Specify
▶ Need help? Product details, page 52	• Door frame: paint or 8043 Clear Anodized Aluminum • Height: 80.984"–120" • Width: 60"–80" • Door type: polished edge
	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum color number for frame 5 Top mount type (see below under Required Selections) 6 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*

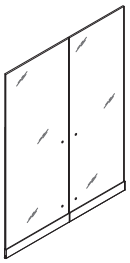
	Options	U.S. Price	Required to Specify
Surface Materials	**Frames**	**Per Sq/Ft**	
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$1.30	Specify paint color number.
	• Paint price group 3	+$2.30	Specify paint color number.
	• Anodized	+$1.09	Specify *with anodized.*

Specification Information

Style Number	U.S. Base Price	Add per inch height of frame	Add per inch width of frame
FEDFSLPM	$2398.75	+$5.03	+$5.03

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

Pair of Surface Mounted Polished Edge Slider Door Leaves



Standard Includes	Required to Specify
▶ Need help? Product details, page 52	1 Style number 2 Height 3 Width 4 Glass color number for door leaf 5 Paint or anodized aluminum color number for bottom trim 6 Glass surface orientation (see below under Required Selections) 7 Top mount type (see below under Required Selections) 8 Latch prep (see below under Required Selections) 9 Options, if selected (see below) ▶ See *Surface Materials,* page 222.
• Door leaf: 1/2" thick polished edge glass • Bottom trim: paint or 8043 Clear Anodized Aluminum • Height: 80.984" - 120" • Width: 60" - 80"	

	Required Selections	U.S. Price	Required to Specify
Glass Surface Orientation	• Polished to inside	No cost	Specify *with polished to inside.*
	• Polished to outside	No cost	Specify *with polished to outside.*
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Latch Prep	• Ladder aligned	No cost	Specify *with ladder aligned latch prep.*
	• Ladder offset	No cost	Specify *with ladder offset latch prep.*
	• Push/pull	No cost	Specify *with push/pull latch prep.*

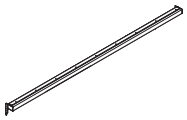
	Options	U.S. Price		Required to Specify
	Bottom trim	**Per Frame**	**Per Sq/Ft**	
Surface Materials	• Paint price group 1	No cost	N.A.	Specify paint color number.
	• Paint price group 2	+$22.81	N.A.	Specify paint color number.
	• Paint price group 3	+$47.05	N.A.	Specify paint color number.
	• Anodized	+$15.82	N.A.	Specify *with anodized.*
	• Glass price group 1	N.A.	No cost	Specify glass color number.
	• Glass price group 3	N.A.	+$34.23	Specify glass color number.
	• COG (Customer's Own Glass)	N.A.	–$ 6.33	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price	Add per Sq/Ft of door
FEDLSLPPM	$1998.32	+$75.19

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

Reinforced Track for Pair of Surface Mounted Slider Doors



Standard Includes	Required to Specify
▶Need help? Product details, page 52	• Door track: paint or 8043 Clear Anodized Aluminum • Width: 106.874" to 288" • Door type: polished edge	1 Style number 2 Width 3 Paint or anodized aluminum color number for door track 4 End configuration left (see below under Required Selections) 5 End configuration right (see below under Required Selections) 6 Bracket hole (see below under Required Selections) 7 Options, if selected (see below) ▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
End Configuration, Left	• Actual	No cost	Specify actual.
End Configuration, Right	• Actual	No cost	Specify actual.
Bracket Hole Location	• Hole one location • Hole two location	No cost No cost	Specify X dimension for hole one. Specify X dimension for hole two.

	Options	U.S. Price	Required to Specify
Surface Materials		**Per inch of track**	
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$0.27	Specify paint color number.
	• Paint price group 3	+$0.43	Specify paint color number.
	• Anodized	+$0.77	Specify *with anodized.*

Specification Information

• Style Number	• U.S. Base Price	Add per inch width of track
FEDTSLPMR	$7590.86	+$10.49

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

Slider Door Track Bracket

	Standard Includes	Required to Specify
▶ Need help? Product details, page 54	• Bracket: paint • Height: 80.984"-120"	1 Style number 2 Paint color number for bracket 3 Height 4 Top mount type (see below under Required Selections) 5 Bracket type (see below under Required Selections) 6 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Top Mount Type	• Ceiling	No cost	Specify *with ceiling mount.*
	• Intermediate	No cost	Specify *with intermediate mount.*
Bracket Type	• L at left	No cost	Specify *with L at left.*
	• L at right	No cost	Specify *with L at right.*
	• T at center	No cost	Specify *with T at center.*

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$6.25	Specify paint color number.
	• Paint price group 3	+$9.39	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price
FEDTSLB	$218.30

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

Specifying Intersections—Junctions and Adapters

Two-Way Fixed Angle Junction Assembly	**182**
Two-Way Variable Angle Junction Assembly	**183**
Three-Way Junction Assembly	**184**
Four-Way Junction Assembly	**185**
Junction Covers, Trim, Hardware, and Seals	**186**
90° T/X Adapter and Finished End	**195**

Two-Way Fixed Angle Junction Assembly

Standard Includes	Required to Specify
▶Need help? Product details, page 69	• Junction assembly • Height: 80"–144" • Seal: plastic	1 Style number 2 Height 3 Plastic color number for seal 4 Angle (see below under Required Selections) 5 Horizontal hole cut-out (see below under Required Selections) ▶See *Surface Materials,* page 222.

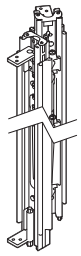
	Required Selections	U.S. Price		Required to Specify
		Per Junction	**Per Inch**	
Fixed Angles				
	• 90°	No cost	N.A.	Specify *with 90° angle.*
	• 120°	No cost	N.A.	Specify *with 120° angle.*
	• 135°	No cost	N.A.	Specify *with 135° angle.*
	• 180°	No cost	N.A.	Specify *with 180° angle.*
Horizontal Hole Cut-Out	• No holes	No cost	N.A.	Specify *with no holes.*
	• Hole 1	No cost	N.A.	Specify Y dimension for hole 1.
	• Hole 2	No cost	N.A.	Specify Y dimension for hole 2.
	• Hole 3	No cost	N.A.	Specify Y dimension for hole 3.
	• Hole 4	No cost	N.A.	Specify Y dimension for hole 4.
	• Hole 5	No cost	N.A.	Specify Y dimension for hole 5.
	• Hole 6	No cost	N.A.	Specify Y dimension for hole 6.
	• Hole 7	No cost	N.A.	Specify Y dimension for hole 7.
	• Hole 8	No cost	N.A.	Specify Y dimension for hole 8.
	• Hole 9	No cost	N.A.	Specify Y dimension for hole 9.
	• Hole 10	No cost	N.A.	Specify Y dimension for hole 10.
	• Hole 11	No cost	N.A.	Specify Y dimension for hole 11.

Specification Information

• **Style Number**	• **U.S. Base Price**	
	Per Junction	Per Inch
FEIJA2F	$903.06	+$0.63

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

Two-Way Variable Angle Junction Assembly



Standard Includes	Required to Specify
▶ Need help? Product details, page 69	• Junction assembly • Height: 80"–144" • Seal: plastic

1 Style number
2 Height
3 Plastic color number for seal
4 Angle (see below under Required Selections)
5 Horizontal hole cut-out (see below under Required Selections)

▶ See *Surface Materials*, page 222.

	Required Selections	U.S. Price		Required to Specify
		Per Junction	**Per Inch**	
Variable Angles				
	• 91°–119°	No cost	N.A.	Specify angle in 1° increments.
	• 121°–134°	No cost	N.A.	Specify angle in 1° increments.
	• 135°–179°	No cost	N.A.	Specify angle in 1° increments.
Horizontal Hole Cut-Out	• No holes	No cost	N.A.	Specify *with no holes.*
	• Hole 1	No cost	N.A.	Specify Y dimension for hole 1.
	• Hole 2	No cost	N.A.	Specify Y dimension for hole 2.
	• Hole 3	No cost	N.A.	Specify Y dimension for hole 3.
	• Hole 4	No cost	N.A.	Specify Y dimension for hole 4.
	• Hole 5	No cost	N.A.	Specify Y dimension for hole 5.
	• Hole 6	No cost	N.A.	Specify Y dimension for hole 6.
	• Hole 7	No cost	N.A.	Specify Y dimension for hole 7.
	• Hole 8	No cost	N.A.	Specify Y dimension for hole 8.
	• Hole 9	No cost	N.A.	Specify Y dimension for hole 9.
	• Hole 10	No cost	N.A.	Specify Y dimension for hole 10.
	• Hole 11	No cost	N.A.	Specify Y dimension for hole 11.

Specification Information

• Style Number	• U.S. Base Price	
	Per Junction	Per Inch
FEIJA2V	$1080.84	+$0.63

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

Three-Way Junction Assembly

Standard Includes	Required to Specify
▶Need help? Product details, page 69	• Junction assembly • Height: 80"–144" • Seal: plastic	1 Style number 2 Height 3 Plastic color number for seal 4 Angle (see below under Required Selections) 5 Horizontal hole cut-out (see below under Required Selections) ▶See *Surface Materials,* page 222.

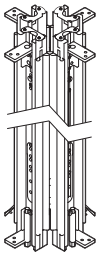
	Required Selections	U.S. Price		Required to Specify
		Per Junction	**Per Inch**	
Angle				
	• 90°	No cost	N.A.	Specify *with 90° angle.*
	• 120°	No cost	N.A.	Specify *with 120° angle.*
	• 135°	No cost	N.A.	Specify *with 135° angle.*
Horizontal Hole Cut-Out	• No holes	No cost	N.A.	Specify *with no holes.*
	• Hole 1	No cost	N.A.	Specify Y dimension for hole 1.
	• Hole 2	No cost	N.A.	Specify Y dimension for hole 2.
	• Hole 3	No cost	N.A.	Specify Y dimension for hole 3.
	• Hole 4	No cost	N.A.	Specify Y dimension for hole 4.
	• Hole 5	No cost	N.A.	Specify Y dimension for hole 5.
	• Hole 6	No cost	N.A.	Specify Y dimension for hole 6.
	• Hole 7	No cost	N.A.	Specify Y dimension for hole 7.
	• Hole 8	No cost	N.A.	Specify Y dimension for hole 8.
	• Hole 9	No cost	N.A.	Specify Y dimension for hole 9.
	• Hole 10	No cost	N.A.	Specify Y dimension for hole 10.
	• Hole 11	No cost	N.A.	Specify Y dimension for hole 11.

Specification Information

• Style Number	• U.S. Base Price	
	Per Junction	Per Inch
FEIJA3	$1310.69	+$0.91

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

Four-Way Junction Assembly



Standard Includes	Required to Specify
▶Need help? Product details, page 69	1 Style number
• Junction assembly	2 Height
• Height: 80"–144"	3 Plastic color number for seal
• Seal: plastic	4 Horizontal hole cut-out (see below under Required Selections)
	▶See *Surface Materials,* page 222.

Required Selections	U.S. Price		Required to Specify
Horizontal Hole Cut-Out	**Per Junction**	**Per Inch**	
• No holes	No cost	N.A.	Specify *with no holes.*
• Hole 1	No cost	N.A.	Specify Y dimension for hole 1.
• Hole 2	No cost	N.A.	Specify Y dimension for hole 2.
• Hole 3	No cost	N.A.	Specify Y dimension for hole 3.
• Hole 4	No cost	N.A.	Specify Y dimension for hole 4.
• Hole 5	No cost	N.A.	Specify Y dimension for hole 5.
• Hole 6	No cost	N.A.	Specify Y dimension for hole 6.
• Hole 7	No cost	N.A.	Specify Y dimension for hole 7.
• Hole 8	No cost	N.A.	Specify Y dimension for hole 8.
• Hole 9	No cost	N.A.	Specify Y dimension for hole 9.
• Hole 10	No cost	N.A.	Specify Y dimension for hole 10.
• Hole 11	No cost	N.A.	Specify Y dimension for hole 11.

Specification Information

Style Number	U.S. Base Price	
	Per Junction	Per Inch
FEIJA4	$1719.96	+$1.35

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

Junction Covers, Trim, Hardware, and Seals

Inner Junction Cover

Standard Includes	Required to Specify
▶Need help? Product details, page 68	• Junction cover: paint or 8043 Clear Anodized Aluminum • Height: 77.71654"–141.71654" • Seal	1 Style number 2 Paint or anodized aluminum color number for cover 3 Height 4 Angle (see below under Required Selections) 5 Options, if selected (see below) ▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price		Required to Specify
Fixed Angles		**Per Cover**	**Per Inch**	
	• 120°	No cost	N.A.	Specify *with 120° angle.*
	• 135°	No cost	N.A.	Specify *with 135° angle.*

	Options	U.S. Price		Required to Specify
Surface Materials		**Per Cover**	**Per Inch**	
	• Anodized	+$68.28	N.A.	Specify *with anodized.*
	• Paint price group 1	No cost	N.A.	Specify paint color number.
	• Paint price group 2	+$24.47	N.A.	Specify paint color number.
	• Paint price group 3	+$36.85	N.A.	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price	
	Per Cover	Per Inch
FEIJCI	$377.25	+$0.28

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

Variable Angle Inner Junction Cover

Standard Includes	Required to Specify
▶Need help? Product details, page 68	1 Style number
• Junction cover: paint	2 Paint color number for cover
• Height: 77.71654"–141.71654"	3 Height
	4 Angle (see below under Required Selections)
	5 Options, if selected (see below)
	▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price		Required to Specify
Variable Angles		**Per Cover**	**Per Inch**	
	• 91°–119°	No cost	N.A.	Specify angle in 1° increment.
	• 121°–134°	No cost	N.A.	Specify angle in 1° increment.
	• 136°–179°	No cost	N.A.	Specify angle in 1° increment.

	Options	U.S. Price		Required to Specify
Surface Materials		**Per Cover**	**Per Inch**	
	• Paint price group 1	No cost	N.A.	Specify paint color number.
	• Paint price group 2	+$24.47	N.A.	Specify paint color number.
	• Paint price group 3	+$36.85	N.A.	Specify paint color number.

Specification Information

Style Number	U.S. Base Price	
	Per Cover	Per Inch
FEIJCIV	$659.81	+$0.28

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

90° Inner Junction Trim

Standard Includes	Required to Specify
▶ Need help? Product details, page 68 • Junction trim: paint • Height: 77.71654"–141.71654"	1 Style number 2 Paint color number for trim 3 Height ▶ See *Surface Materials,* page 222.

Specification Information

Style Number	U.S. Base Price	
	Per Cover	Per Inch
FEI90T	$91.90	+$0.28

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

Outer Junction Cover

Standard Includes	Required to Specify
▶Need help? Product details, page 68	• Junction cover: paint or 8043 Clear Anodized Aluminum • Height: 77.71654"–141.71654"	1 Style number 2 Paint or anodized aluminum color number for cover 3 Height 4 Angle (see below under Required Selections) 5 Bottom alignment (for 180° cover) (see below under Required Selections) 6 Options, if selected (see below) ▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price		Required to Specify
Fixed Angles		**Per Cover**	**Per Inch**	
	• 90°	No cost	N.A.	Specify *with 90° angle.*
	• 120°	No cost	N.A.	Specify *with 120° angle.*
	• 135°	No cost	N.A.	Specify *with 135° angle.*
	• 180°	No cost	N.A.	Specify *with 180° angle.*
Bottom Alignment (for 180° cover)	• To the skin	No cost	N.A.	Specify *with alignment to the skin.*
	• To the floor	No cost	N.A.	Specify *with alignment to the floor.*

	Options	U.S. Price		Required to Specify
Surface Materials		**Per Cover**	**Per Inch**	
	• Anodized	+$68.28	N.A.	Specify *with anodized.*
	• Paint price group 1	No cost	N.A.	Specify paint color number.
	• Paint price group 2	+$24.47	N.A.	Specify paint color number.
	• Paint price group 3	+$36.85	N.A.	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price	
	Per Cover	Per Inch
FEIJCO	$377.25	+$0.28

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

Variable Angle Outer Junction Cover

Standard Includes	Required to Specify
▶Need help? Product details, page 70 • Junction cover: paint • Height: 77.71654"–141.71654" • Seal	1 Style number 2 Paint color number for cover 3 Height 4 Angle (see below under Required Selections) 5 Options, if selected (see below) ▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price		Required to Specify
Variable Angles		**Per Cover**	**Per Inch**	
	• 91°–119°	No cost	N.A.	Specify angle in 1° increment.
	• 121°–134°	No cost	N.A.	Specify angle in 1° increment.
	• 136°–179°	No cost	N.A.	Specify angle in 1° increment.

	Options	U.S. Price		Required to Specify
Surface Materials		**Per Cover**	**Per Inch**	
	• Paint price group 1	No cost	N.A.	Specify paint color number.
	• Paint price group 2	+$24.47	N.A.	Specify paint color number.
	• Paint price group 3	+$36.85	N.A.	Specify paint color number.

Specification Information

Style Number	U.S. Base Price	
	Per Cover	Per Inch
FEIJCOV	$659.81	+$0.28

Bypass Outer Junction Cover

Standard Includes	Required to Specify
▶Need help? Product details, page 72 • Junction cover: paint or 8043 Clear Anodized Aluminum • Height: 77.71654"–141.71654" • Bottom alignment: to the skin	1 Style number 2 Paint or anodized aluminum color number for cover 3 Height 4 Options, if selected (see below) ▶See *Surface Materials,* page 222.

	Options	U.S. Price		Required to Specify
Surface Materials		**Per Cover**	**Per Inch**	
	• Anodized	+$68.28	N.A.	Specify *with anodized.*
	• Paint price group 1	No cost	N.A.	Specify paint color number.
	• Paint price group 2	+$24.47	N.A.	Specify paint color number.
	• Paint price group 3	+$36.85	N.A.	Specify paint color number.

Specification Information

Style Number	U.S. Base Price	
	Per Cover	Per Inch
FEIJCOB	$471.69	+$0.43

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

Two-Way Junction Hardware

Standard Includes	Required to Specify
▶Need help? Product details, page 68 • Hardware • Height: 80"–144"	1 Style number 2 Height 3 Angle (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Fixed Angles	• 90° • 120° • 135° • 180°	No cost No cost No cost No cost	Specify *with 90° angle.* Specify *with 120° angle.* Specify *with 135° angle.* Specify *with 180° angle.*

Specification Information

Style Number	Height	U.S. Price
FEIJH2	≤120"	$59.17
	>120"	$73.77

Two-Way Variable Angle Junction Hardware

Standard Includes	Required to Specify
▶Need help? Product details, page 68 • Hardware • Height: 80"–144"	1 Style number 2 Height 3 Angle (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Variable Angles	• 91°–119° • 121°–134° • 136°–179°	No cost No cost No cost	Specify angle in 1° increment. Specify angle in 1° increment. Specify angle in 1° increment.

Specification Information

Style Number	Height	U.S. Price
FEIJH2V	≤120"	$ 90.21
	>120"	$113.30

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

Three-Way Junction Hardware

Standard Includes	Required to Specify
▶ Need help? Product details, page 68	1 Style number 2 Height 3 Angle (see below under Required Selections)
• Hardware • Height: 80"–144"	

	Required Selections	U.S. Price	Required to Specify
Fixed Angles	• 90° • 120° • 135°	No cost No cost No cost	Specify *with 90° angle.* Specify *with 120° angle.* Specify *with 135° angle.*

Specification Information

Style Number	Height	U.S. Price
FEIJH3	≤120"	$59.17
	>120"	$73.77

Four-Way Junction Hardware

Standard Includes	Required to Specify
▶ Need help? Product details, page 68	1 Style number 2 Height
• Hardware • Height: 80"–144"	

Specification Information

Style Number	Height	U.S. Price
FEIJH4	≤120"	$59.17
	>120"	$73.77

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

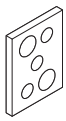
Two-Way Bypass Junction Hardware

Standard Includes	Required to Specify
▶ Need help? Product details, page 68	• Hardware • Height: 80"–144"	1 Style number 2 Height

Specification Information

Style Number	Height	U.S. Price
FEIJHB	≤120"	$59.17
	>120"	$73.77

Junction Nut Plate



Standard Includes	Required to Specify
▶ Need help? Product details, page 68	• Nut plate	Style number

Specification Information

Style Number	U.S. Price
FEIJNP	$17.43

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

Junction Seals

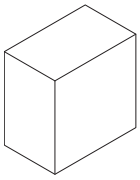
Standard Includes	Required to Specify
▶ Need help? Product details, page 68	• Junction seal	Style number

Specification Information

• Style Number	• U.S. Price

Junction Cover Seal

FEIJS	$36.89



Bottom Junction Seal

FEIJBS	$30.41

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

90° T/X Adapter and Finished End

90° T/X Adapter

Standard Includes	Required to Specify
▶Need help? Product details, page 68	• Adapter: paint or 8043 Clear Anodized Aluminum • Height: 77.71654"–141.71654"	1 Style number 2 Paint or anodized aluminum color number for adapter 3 Height 4 Bottom alignment (see below under Required Selections) 5 Options, if selected (see below) ▶See *Surface Materials,* page 222.

Required Selections	U.S. Price		Required to Specify
	Per Cover	**Per Inch**	
Bottom Alignment			
• To the skin	No cost	N.A.	Specify *with alignment to the skin.*
• To the floor	No cost	N.A.	Specify *with alignment to the floor.*

Options	U.S. Price		Required to Specify
	Per Cover	**Per Inch**	
Surface Materials			
• Anodized	+$68.28	N.A.	Specify *with anodized.*
• Paint price group 1	No cost	N.A.	Specify paint color number.
• Paint price group 2	+$24.47	N.A.	Specify paint color number.
• Paint price group 3	+$36.85	N.A.	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price	
	Per Adapter	Per Inch
FEIA	$422.24	+$0.28

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

Finished End

Standard Includes	Required to Specify
▶Need help? Product details, page 68	• Cover: paint or 8043 Clear Anodized Aluminum • Top trim: paint • Bottom trim: paint • Height: 77.71654"–141.71654"	1 Style number 2 Height 3 Paint or anodized aluminum color number for cover 4 Paint color number for top trim 5 Paint color number for bottom trim 6 Options, if selected (see below) ▶See *Surface Materials,* page 222.

	Options	U.S. Price		Required to Specify
Surface Materials	**Finished end cover**	**Per Cover**	**Per Inch**	
	• Anodized	+$68.28	N.A.	Specify *with anodized.*
	• Paint price group 1	No cost	N.A.	Specify paint color number.
	• Paint price group 2	+$24.47	N.A.	Specify paint color number.
	• Paint price group 3	+$36.85	N.A.	Specify paint color number.
	Top trim			
	• Paint price group 1	No cost	N.A.	Specify paint color number.
	• Paint price group 2	+$10.87	N.A.	Specify paint color number.
	• Paint price group 3	+$19.80	N.A.	Specify paint color number.
	Bottom trim			
	• Paint price group 1	No cost	N.A.	Specify paint color number.
	• Paint price group 2	+$10.87	N.A.	Specify paint color number.
	• Paint price group 3	+$19.80	N.A.	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price	
	Per Cover	Per Inch
FEIFE	$422.24	+$0.28

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

Specifying Mini Ends

90° Adjustable Mini End and Mini End Cover 198

Door Frame/Mini End Hardware Kit 200

90° Adjustable Mini End and Mini End Cover

90° Adjustable Mini End

Standard Includes	Required to Specify
▶ Need help? Product details, page 74	• Telescoping mini end: paint or 8043 Clear Anodized Aluminum • Height: 80"–144"	1 Style number 2 Paint or anodized aluminum color number for mini end 3 Height 4 Width (see below under Required Selections) 5 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Width	• Small	No cost	Specify *with small width.*
	• Medium	+$39.35	Specify *with medium width.*
	• Large	+$84.60	Specify *with large width.*

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$24.47	Specify paint color number.
	• Paint price group 3	+$36.85	Specify paint color number.
	• Anodized	+$68.28	Specify *with anodized.*

Specification Information

• Style Number	• U.S. Base Price	
	Per Mini End	Per Inch
FEEAM	$444.17	+$0.64

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

Mini End Cover

Standard Includes	Required to Specify
▶Need help? Product details, page 74	• Cover: paint or 8043 Clear Anodized Aluminum • Height: 77.71654"–141.71654"	1 Style number 2 Paint or anodized aluminum color number for cover 3 Height 4 Width (see below under Required Selections) 5 Bottom alignment (see below under Required Selections) 6 Options, if selected (see below) ▶See *Surface Materials*, page 222.

	Required Selections	U.S. Price	Required to Specify
Width	• Small	No cost	Specify *with small width.*
	• Medium	+$12.72	Specify *with medium width.*
	• Large	+$24.47	Specify *with large width.*
Bottom Alignment	• To the skin	No cost	Specify *with alignment to the skin.*
	• To the floor	No cost	Specify *with alignment to the floor.*

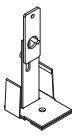
	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$24.47	Specify paint color number.
	• Paint price group 3	+$36.85	Specify paint color number.
	• Anodized	+$68.28	Specify *with anodized.*

Specification Information

• Style Number	• U.S. Base Price	
	Per Mini End Cover	Per COH Inch
FEEAMC	$144.21	+$0.28

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

Door Frame/Mini End Hardware Kit



Standard Includes	Required to Specify
▶ Need help? Product details, page 74	1 Style number 2 Paint color number for kit ▶ See *Surface Materials,* page 222.
• Hardware kit: paint	

Specification Information

Style Number	U.S. Price
FEEHDM	$25.07

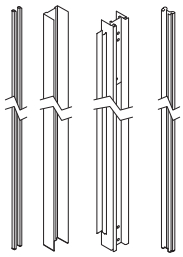
For Canadian Pricing
Multiply U.S. Price by the Canadian price factor.
▶ See page 1 for details.

Specifying Cutable Ends

90° Cutable End Assembly	**202**
90° Cutable End Inner Channel	**202**
90° Cutable End Outer Channel	**203**
Cutable End Capture Trim	**203**
Cutable End Corner Angle	**204**
Cutable End Elbow	**204**

Cutable Ends

90° Cutable End Assembly



Standard Includes	Required to Specify
▶Need help? Product details, page 77 • Cutable end assembly: paint • Height: 80"–144" • Seal: plastic	1 Style number 2 Paint color number for cutable end assembly 3 Plastic color number for seal 4 Height 5 Options, if selected (see below) ▶See *Surface Materials,* page 222.

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$24.47	Specify paint color number.
	• Paint price group 3	+$36.85	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price	
	Per Assy	Per COH Inch
FEECEA	$444.17	+$0.64

90° Cutable End Inner Channel

Standard Includes	Required to Specify
▶Need help? Product details, page 76 • Cutable end inner channel: paint	1 Style number 2 Paint color number for cutable end assembly 3 Length (see below under Required Selections) 4 Options, if selected (see below) ▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Length	• 48"	No cost	Specify 48" long.
	• 120"	+$ 92.53	Specify 120" long.
	• 144"	+$125.56	Specify 144" long.

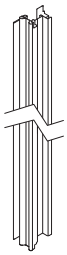
	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 24.47	Specify paint color number.
	• Paint price group 3	+$ 36.85	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price
FEECEI	$178.81

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

90° Cutable End Outer Channel



Standard Includes	Required to Specify
▶Need help? Product details, page 76	1 Style number 2 Length (see below under Required Selections) 3 Plastic color number for seal ▶See *Surface Materials,* page 222.
• Cutable end outer channel • Seal: plastic	

	Required Selections	U.S. Price	Required to Specify
Length	• 48"	No cost	Specify 48" long.
	• 120"	+$ 92.53	Specify 120" long.
	• 144"	+$125.56	Specify 144" long.

Specification Information

Style Number	U.S. Base Price
FEECEO	$197.91

Cutable End Capture Trim

Standard Includes	Required to Specify
▶Need help? Product details, page 76	1 Style number 2 Paint color number for capture trim 3 Height 4 Options, if selected (see below) ▶See *Surface Materials,* page 222.
• Cutable end capture trim: paint • Height: 12.1"–144"	

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$24.47	Specify paint color number.
	• Paint price group 3	+$36.85	Specify paint color number.

Specification Information

Style Number	U.S. Base Price	
	Per Assy	Per COH Inch
FEECECT	$66.01	+$0.64

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

Cutable End Corner Angle

Standard Includes	Required to Specify
▶ Need help? Product details, page 76	• Cutable end corner angle	Style number

Specification Information

• Style Number	• U.S. Price
FEECEAI	$17.11

Cutable End Elbow

Standard Includes	Required to Specify
▶ Need help? Product details, page 76	• Cutable end elbow	1 Style number 2 Miter configuration (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Miter Configuration	• Inside corner	No cost	Specify *with inside corner.*
	• Outside corner	No cost	Specify *with outside corner.*

Specification Information

• Style Number	• U.S. Price
FEECEEO	$42.53

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

Specifying Electrical Components

Receptacles and Power Block 206

Power/Communication Receptacle Trim, Blank Cut-Out Cover, and Modular Communication Faceplate 208

Multipurpose Infeed and Power Block Connector 210

Modular Harness and Harness-to-Harness Branching Connector 211

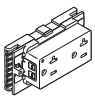
Electrical Mounting Brackets 212

Utility Panel Cover 213

Receptacles and Power Block

Receptacle

15 amp


20 amp

Standard Includes	Required to Specify
▶Need help? Product details, page 80 • Receptacle: plastic	1 Style number 2 Plastic color number for receptacle 3 Wiring schematic (see below under Required Selections) 4 Line (see below under Required Selections) 5 Ground type (see below under Required Selections) 6 Amp type (see below under Required Selections) 7 Options, if selected (see below) ▶See *Surface Materials,* page 222.

Tip: If 3SN is specified, there is no Line 4 option.

	Required Selections	U.S. Price	Required to Specify
Wiring Schematic	• 3+1	No cost	Specify *with 3+1.*
	• 2+2	No cost	Specify *with 2+2.*
	• 3SN	No cost	Specify *with 3SN.*
Line	• Line 1	No cost	Specify *with line 1.*
	• Line 2	No cost	Specify *with line 2.*
	• Line 3	No cost	Specify *with line 3.*
	• Line 4	No cost	Specify *with line 4.*
Ground Type	• System	No cost	Specify *with system ground.*
	• Isolated	No cost	Specify *with isolated ground.*
Amp Type	• 15 amp	No cost	Specify *with 15 amp.*
	• 20 amp	+$27.07	Specify *with 20 amp.*

	Options	U.S. Price	Required to Specify
Controlled Stamp	• No stamp	No cost	Specify *with no stamp.*
	• Controlled stamp	+$ 7.15	Specify *with controlled stamp.*

Specification Information

• Style Number	• U.S. Base Price
FEPRC	$49.54

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

USB Receptacle

Standard Includes	Required to Specify
▶Need help? Product details, page 80	1 Style number 2 Plastic color number for receptacle 3 Wiring schematic (see below under Required Selections) 4 Line (see below under Required Selections) ▶See *Surface Materials,* page 222.
• USB receptacle: plastic	

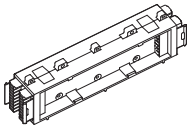
Tip: If 3SN is specified, there is no Line 4 option.

	Required Selections	U.S. Price	Required to Specify
Wiring Schematic	• 3+1	No cost	Specify *with 3+1.*
	• 2+2	No cost	Specify *with 2+2.*
	• 3SN	No cost	Specify *with 3SN.*
Line	• Line 1	No cost	Specify *with line 1.*
	• Line 2	No cost	Specify *with line 2.*
	• Line 3	No cost	Specify *with line 3.*
	• Line 4	No cost	Specify *with line 4.*

Specification Information

• Style Number	• U.S. Price
FEPRCUSB	$118.84

Power Block



Standard Includes	Required to Specify
▶Need help? Product details, page 80	1 Style number 2 Wire schematic (see below under Required Selections)
• Power block	

	Required Selections	U.S. Price	Required to Specify
Wiring Schematic	• 3+1	No cost	Specify *with 3+1.*
	• 2+2	No cost	Specify *with 2+2.*
	• 3SN	No cost	Specify *with 3SN.*

Specification Information

• Style Number	• U.S. Price
FEPB	$124.92

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

Power/Communication Receptacle Trim, Blank Cut-Out Cover, and Modular Communication Faceplate

Power/Communication Receptacle Trim

Standard Includes	Required to Specify
▶Need help? Product details, page 80 • Receptacle trim: plastic	1 Style number 2 Plastic color number for receptacle trim 3 Cut-out type (see below under Required Selections) ▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Cut-out Type	• Power • Communications	No cost No cost	Specify *with power cut-out.* Specify *with communications cut-out.*

Specification Information

Style Number	U.S. Price
FEPRCT	$12.17

Blank Cut-Out Cover

Standard Includes	Required to Specify
▶Need help? Product details, page 80 • Cover cut-out: plastic	1 Style number 2 Plastic color number for cut-out cover 3 Cut-out type (see below under Required Selections) 4 Wiring schematic, if selected (see below under Required Selections) ▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Cut-Out Type	• Power • Communications	No cost No cost	Specify *with power cut-out.* Specify *with communications cut-out.*
Wiring Schematic	• 3+1 • 2+2 • 3SN • No wiring configuration	No cost No cost No cost No cost	Specify *with 3+1.* Specify *with 2+2.* Specify *with 3SN.* Specify *with no wiring configuration*

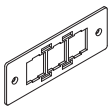
Tip: Wiring schematic specification only required if cut-out type is power.

Specification Information

Style Number	U.S. Price
FEPCCB	$7.61

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

Modular Communication Faceplate



Standard Includes	Required to Specify
▶ Need help? Product details, page 78	1 Style number 2 Plastic color number for modular communication faceplate 3 Faceplate configuration type (see below under Required Selections)
• Modular communication faceplate: plastic	▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Faceplate Configuration Type	• RJ45 x 3	No cost	Specify *with RJ45 x 3.*
	• RJ45 + VGA	No cost	Specify *with RJ45 + VGA.*

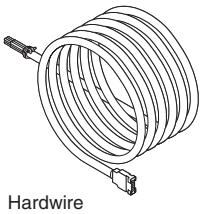
Specification Information

Style Number	U.S. Price
FEPFPC	$54.09

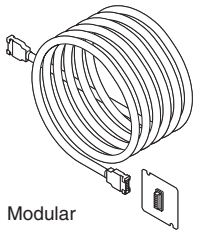
For Canadian Pricing
Multiply U.S. Price by the Canadian price factor.
▶ See page 1 for details.

Multipurpose Infeed and Power Block Connector

Multipurpose Infeed



Hardwire



Modular

Standard Includes	Required to Specify
▶ Need help? Product details, page 79 • 24' long infeed • Junction box fittings • Conduit: metal	1 Style number 2 Wiring schematic type (see below under Required Selections) 3 Building connection type (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Wiring Schematic	• 3+1	No cost	Specify *with 3+1.*
	• 2+2	No cost	Specify *with 2+2.*
	• 3SN	No cost	Specify *with 3SN.*
Building Connection Type	• Hardwire	No cost	Specify *with hardwire infeed.*
	• Modular	+$165.67	Specify *with modular infeed.*

Specification Information

• Style Number	• U.S. Base Price
FEPIMP	$800.52

Power Block Connector

Standard Includes	Required to Specify
▶ Need help? Product details, page 80 • Power block connector	1 Style number 2 Wiring schematic (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Wiring Schematic	• 3+1	No cost	Specify *with 3+1.*
	• 2+2	No cost	Specify *with 2+2.*
	• 3SN	No cost	Specify *with 3SN.*

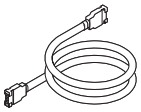
Specification Information

• Style Number	• U.S. Price
FEPBC	$36.18

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

Modular Harness and Harness-to-Harness Branching Connector

Modular Harness



Standard Includes	Required to Specify
▶ Need help? Product details, page 78 • Modular harness	1 Style number 2 Harness length (see below under Required Selections) 3 Wiring schematic (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Harness Length	• 36" long	No cost	Specify *with 36" harness.*
	• 72" long	+$ 93.29	Specify *with 72" harness.*
	• 144" long	+$269.27	Specify *with 144" harness.*
Wiring Schematic	• 3+1	No cost	Specify *with 3+1.*
	• 2+2	No cost	Specify *with 2+2.*
	• 3SN	No cost	Specify *with 3SN.*

Specification Information

• Style Number	• U.S. Base Price
FEPHN	$215.17

Harness-to-Harness Branching Connector

Standard Includes	Required to Specify
▶ Need help? Product details, page 80 • Connector	1 Style number 2 Wiring schematic (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Wiring Schematic	• 3+1	No cost	Specify *with 3+1.*
	• 2+2	No cost	Specify *with 2+2.*
	• 3SN	No cost	Specify *with 3SN.*

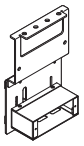
Specification Information

• Style Number	• U.S. Base Price
FEPHNC	$49.54

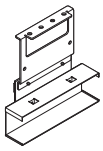
For Canadian Pricing
Multiply U.S. Price by the Canadian price factor.
▶ See page 1 for details.

Electrical Mounting Brackets

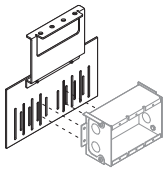
Electrical Mounting Bracket—Skin



Data



Modular



Hardwire

Tip: Hardwire boxes are not included with bracket.
▶ *See page 81 for a list of compatible electrical boxes.*

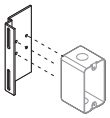
Standard Includes	Required to Specify
▶ Need help? Product details, page 78 • Bracket	1 Style number 2 Device type (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Device Type	• Hardwire	No cost	Specify *with hardwire.*
	• ADA hardwire	No cost	Specify *with ADA hardwire.*
	• Modular	+$63.22	Specify *with modular.*
	• Modular hardwire	+$63.22	Specify *with modular hardwire.*
	• Modular communication	+$75.38	Specify *with communication.*
	• ADA modular communication	+$75.38	Specify *with ADA modular communication.*

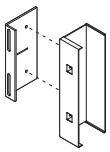
Specification Information

• Style Number	• U.S. Base Price
FEPMBES	$78.09

Electrical Mounting Bracket—Utility Panel



Hardwire box



Modular power block

Tip: Hardwire boxes are not included with bracket.
▶ *See page 81 for a list of compatible electrical boxes.*

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

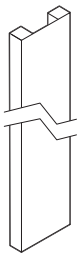
Standard Includes	Required to Specify
▶ Need help? Product details, page 78 • Bracket	1 Style number 2 Device type (see below under Required Selections)

	Required Selections	U.S. Price	Required to Specify
Device Type	• Hardwire shallow	No cost	Specify *with hardwire shallow.*
	• Hardwire deep	No cost	Specify *with hardwire deep.*
	• Modular	+$12.17	Specify *with modular.*

Specification Information

• Style Number	• U.S. Base Price
FEPMBEU	$63.22

Utility Panel Cover



Standard Includes	Required to Specify
▶Need help? Product details, page 81	1 Style number 2 Paint or anodized aluminum color number for cover 3 Height 4 Bottom alignment type (see below under Required Selections) 5 Cut-outs (see below under Required Selections) 6 Cut-out type (see below under Required Selections) 7 Options, if selected (see below) ▶See *Surface Materials,* page 222.
• Cover: paint or 8043 Clear Anodized Aluminum • Height: 77.71654"–141.71654"	

	Required Selections	U.S. Price	Required to Specify
Bottom Alignment Type	• To the skin	No cost	Specify *with alignment to the skin.*
	• To the floor	No cost	Specify *with alignment to the floor.*
Cable Management	**Cut-out count**		
	• No holes	No cost	Specify *with no holes.*
	• One hole	No cost	Specify *with one hole.*
	• Two holes	No cost	Specify *with two holes.*
	• Three holes	No cost	Specify *with three holes.*
	Cut-out type (for each cut-out specified)		
	• Clearance notch	No cost	Specify *with clearance notch cut-out type for each applicable location.*
	• Hardwire—2x4 rectangular	+$ 8.69	Specify *with hardwire–2x4 rectangular cut-out type for each applicable location.*
	• Modular power	+$18.91	Specify *with modular power cut-out type for each applicable location.*

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$24.47	Specify paint color number.
	• Paint price group 3	+$36.85	Specify paint color number.
	• Anodized	+$68.28	Specify *with anodized.*

Specification Information

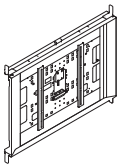
Style Number	U.S. Base Price	
	Per Cover	Per Inch
FEUPC	$349.65	+$0.28

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

Specifying Technology Components

Single Monitor Shroud 216
Double Monitor Shroud 217
Camera Shelf for Monitor Shroud 218

Single Monitor Shroud X 10/26



Standard Includes	Required to Specify
▶Need help? Product details, page 86	• Frame: paint or 8043 Clear Anodized Aluminum • Seal: plastic • Power assembly	1 Style number 2 Width (see below under Required Selections) 3 Paint or anodized aluminum color number for frame 4 Plastic color number for seal 5 Building connection type (see below under Required Selections) 6 Wiring schematic, if modular connection type selected (see below under Required Selections) 7 Options, if selected (see below) ▶See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Width	• 34.5"	–$ 172.62	Specify 34.5".
	• 42"	No cost	Specify 42".
	• 48"	+$ 179.46	Specify 48".
	• 54"	+$ 610.26	Specify 54".
	• 60"	+$1086.93	Specify 60".
	• 63.5"	+$1408.50	Specify 63.5".
	• 70"	+$1745.73	Specify 70".
	• 80"	+$2104.33	Specify 80".
	• 89"	+$2483.47	Specify 89".
Building Connection Type	• Hardwire	No cost	Specify *with hardwire.*
	• Modular	No cost	Specify *with modular.*
Wiring Schematic	• 3+1	No cost	Specify *with 3+1.*
	• 2+2	No cost	Specify *with 2+2.*
	• 3SN	No cost	Specify *with 3SN.*

Tip: Wiring schematic only required when building connection type is modular.

Tip: The power assembly connector is configured to connect to circuit 1.

	Options	U.S. Price	Required to Specify
Surface Materials	**Frame**		
	• Anodized	No cost	Specify *with anodized.*
	• Paint price group 1	+$ 174.48	Specify paint color number.
	• Paint price group 2	+$ 174.48	Specify paint color number.
	• Paint price group 3	+$ 246.49	Specify paint color number.
	Seal		
	• Plastic	No cost	Specify plastic color number.

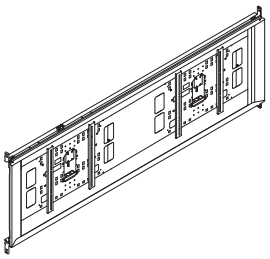
Specification Information

• Style Number	• U.S. Base Price
FEMSS X 10/26	$4225.76

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

X 10/26 = Last order entry
October 18, 2026

Double Monitor Shroud X 10/26



▶ Need help? Product details, page 87

Standard Includes	Required to Specify
• Frame: paint or 8043 Clear Anodized Aluminum • Seal: plastic • Power assembly	1 Style number 2 Width (see below under Required Selections) 3 Paint or anodized aluminum color number for frame 4 Plastic color number for seal 5 Building connection type (see below under Required Selections) 6 Wiring schematic, if modular connection type selected (see below under Required Selections) 7 Options, if selected (see below) ▶ See *Surface Materials,* page 222.

	Required Selections	U.S. Price	Required to Specify
Width	• 96"	No cost	Specify 96".
	• 103"	+$ 677.57	Specify 103".
	• 120"	+$1422.18	Specify 120".
Building Connection Type	• Hardwire	No cost	Specify *with hardwire.*
	• Modular	No cost	Specify *with modular.*
Wiring Schematic	• 3+1	No cost	Specify *with 3+1.*
	• 2+2	No cost	Specify *with 2+2.*
	• 3SN	No cost	Specify *with 3SN.*

Tip: Wiring schematic only required when building connection type is modular.

Tip: The power assembly connector is configured to connect to circuit 1.

Tip: A second power assembly can be ordered separately when required to power two monitors and a camera.

	Options	U.S. Price	Required to Specify
Surface Materials	**Frame**		
	• Anodized	No cost	Specify *with anodized.*
	• Paint price group 1	+$ 293.83	Specify paint color number.
	• Paint price group 2	+$ 293.83	Specify paint color number.
	• Paint price group 3	+$ 387.21	Specify paint color number.
	Seal		
	• Plastic	No cost	Specify plastic color number.

Specification Information

Style Number	U.S. Base Price
FEMSD X10/26	$6764.59

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

X10/26 = Last order entry
October 18, 2026

Camera Shelf for Monitor Shroud X 10/26

Standard Includes	Required to Specify
▶Need help? Product details, page 86	1 Style number 2 Paint color number for frame 3 Options, if selected (see below) ▶See *Surface Materials,* page 222.
• Frame: paint	

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	No cost	Specify paint color number.
	• Paint price group 3	+$43.08	Specify paint color number.

Specification Information

• Style Number	• U.S. Base Price
FEMSCS X10/26	$578.58

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

X10/26 = Last order entry
October 18, 2026

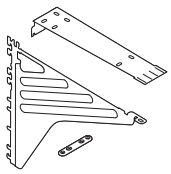
Specifying Hang-On Components

Universal Systems Worksurface Supports **220**

Universal Systems Worksurface Supports

For Use with V.I.A.

On-Module Cantilever



Tip: 30"D straight and transition cantilevered worksurfaces require additional floor support along the front edge, such as a pedestal, end panel, post leg, side support bracket, or an adjacent return worksurface.

Standard Includes	Required to Specify
▶ Need help? Product details, page 97	1 Style number
• One cantilever: paint price group 1 or 2	2 Paint color number for cantilever
• Tie plate	▶ See *Surface Materials*, page 222.
• Attachment hardware	

Specification Information

Style Number	U.S. Price
VUCANT	$176.00

Side Support Brackets

Tip: Side support bracket includes a pair of handed brackets, only one of which is required for rear corner support of panel-mounted corner worksurfaces. Specify one for every two corner worksurfaces in on-module applications.

Standard Includes	Required to Specify
▶ Need help? Product details, page 97	Style number
• Pair of handed side support brackets: black paint only	
• Attachment hardware	

Specification Information

Style Number	U.S. Price
VUSSBR	$63.00

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

Surface Materials

Surface Materials 222
Pleasing Match—Veneer 227
Paint Color and Anodized Aluminum Availability Matrix 228

Surface Materials

This listing includes all the surface material choices that are available for the products in this specification guide.
▶See *Paint Color and Anodized Aluminum Availability Matrix* on page 228 for exact surface material availability on each V.I.A. component.

Resources

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

Additional surface material specification tools are available to assist you in the specification process – the Surface Materials Binders.

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

Surface Materials Binders include:
- Surface Materials
- A complete set of swatch cards for hard surfaces, vertical surface fabrics, and seating

V.I.A. Binder includes:
- Brochures
- Swatch cards

Ⓔ = Excluded

Paint

Tip: All products may not be available in all colors listed below.
▶See page 228 for an overview of the paint colors available on each component.

Price Group 1

Smooth Paint
4238 Mocha
4239 Clay
4240 Chalk
4242 Milk
4710 Low Gloss Black
4843 Linen
4844 Glacier
4849 Vapor
4858 Seagull

Textured Paint
7190 Platinum Solid
7207 Black
7225 Sand
7237 Slate
7238 Fieldstone
7239 Midnight Ⓔ
7241 Arctic White
7243 Seagull
7360 Merle

Price Group 2

Smooth Paint
4700 Warm White

Smooth Metallic Paint
4750 Champagne Metallic
4798 Sterling Metallic Ⓔ
4799 Platinum Metallic
4803 Near Black Metallic

Custom Surfaces

Price Group 3

PerfectMatch

PerfectMatch is a service that allows you to create your own paint color. Refer to the *Surface Materials Reference Manual* for more information about this program.

Accent Paint
1ATG Rose Quartz
4AV4 Baltic
4CL1 Dark Olivine
4CL2 Ice Blue
4CL3 Aura
4CL4 Sea Glass
4CL5 Light Matcha
4CL6 Terra
4CL7 Sandstone
4CL8 Smokey Plum
4CZ6 Lagoon

Lux Coatings
4B22 Matte Brass
4B23 Burnished Bronze
4B24 Night Bronze
4B25 Matte Copper
4B26 Smoked Mica
4B29 Cast Iron

Accent Paint and Lux Coatings will be added to products that receive the metal and accessories paint finishes.

Metal and Accessory Paint

Steelcase Surfaces

Applies to:
- Captured glass frames
- Inner junction covers
- Outer junction cover
- Outer bypass junction cover
- Adapter
- Finished end cover and trim
- Mini end and cover
- Utility panel cover
- Door frames
- Slider door leaves
- Slider door track
- Monitor shrouds

8043 Clear Anodized Aluminum

Laminate

Steelcase Surfaces

Applies to:
- Laminate skins

High-Pressure Laminate

Price Group 1

Fiber Laminate
2850 Vanadium Fiber
2854 Vellum Fiber Ⓔ
2860 Granite Fiber
2862 Stucco Fiber Ⓔ

Micro Laminate
2920 Marl Micro
2921 Gypsum Micro
2922 Clay Micro

Patina Laminate
2870 Blonde Bronze Patina
2873 Instant Iron Patina

Solid Laminate
2722 Cream Ⓔ
2730 Arctic White
2746 Black
2759 Warm White
2811 Mist Ⓔ
2883 Seagull
2884 Milk
2885 Dune
2HAA Persian Salt
2HAB Rose
2HAC Indigo
2HAD Green Citrine Ⓔ
2HAE Dark Olivine
2HAF Cloudy
2HMG Merle
2HWU Clay
2HWV Chalk

Speckle Laminate
2820 Coffee Speckle Ⓔ
2823 Driftwood Speckle
2824 Smoke Speckle
2825 Vanadium Speckle

Woodgrain Laminate
2406 Clear Cherry Ⓔ
2409 Clear Maple
2410 Graphite Walnut
2412 Natural Cherry
2422 Medium Cherry Ⓔ
2511 Winter on Maple Ⓔ
2535 Virginia Walnut
2536 Blackwood
2538 Clear Walnut
2592 Blonde on Maple Ⓔ
2714 Natural Walnut Ⓔ
2897 Desert Oak
2HAK Clear Oak
2HAN Ash Noce
2HAT Acacia
2HAW Ash Wenge
2HBN Bisque Noce
2HBW Bisque Wenge
2HCN Clay Noce
2HCW Clay Wenge
2HSN Storm Noce
2HSW Storm Wenge
2HWA Grey Kingswood
2HWB Planked Walnut
2HWD Resolute Walnut
2HWE Natural Recon
2HWF Smoked Walnut Ⓔ

Price Group 2

Textured Laminate
2TH2 Fawn Cypress
2TH4 Saddle Oak
2TH5 Veranda Teak
2TH7 Walnut Heights
2UH1 Reclaimed Aggregate
2UH2 Reclaimed Gravel
2UH4 Cement*
2UH6 Sheetrock

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

** 2UH4 Cement has limited availability, determined by product sizing and/or options.*

Price Group 3

Solid Laminate
24H1 Satin White
24H2 Satin Black
24H3 Satin Stone
24H4 Satin Mocha

Low-Pressure Laminate

Fiber Laminate

2L50 Vanadium Fiber LPL
2L52 Tungsten Fiber LPL Ⓔ

Solid Laminate

247L Black V2 LPL
2L30 Arctic White LPL
2L83 Seagull LPL
2L84 Milk LPL
2L85 Dune LPL
2LMG Merle LPL

Woodgrain Laminate

24L0 Graphite Walnut LPL
25L1 Winter on Maple LPL Ⓔ
25L5 Virginia Walnut LPL
25L6 Blackwood LPL
25L8 Clear Walnut LPL
26L1 Natural Cherry V2 LPL
2L09 Clear Maple LPL
2LAK Clear Oak LPL
2LAN Ash Noce LPL
2LAT Acacia LPL
2LAW Ash Wenge LPL
2LBN Bisque Noce LPL
2LBW Bisque Wenge LPL
2LCN Clay Noce LPL
2LCW Clay Wenge LPL
2LSN Storm Noce LPL
2LSW Storm Wenge LPL
2LWA Grey Kingswood LPL
2LWB Planked Walnut LPL
2LWD Resolute Walnut LPL
2LWF Smoked Walnut LPL Ⓔ
2LWG Natural Recon LPL
2TL2 Fawn Cypress LPL

Ⓔ = Excluded

Plastic

Steelcase Surfaces

Applies to:
- Ceiling track
- Post
- Structural horizontals
- Intermediate horizontals
- Cutable ends
- Seals
- Receptacles
- Receptacle trim
- Modular communication faceplate
- Blank cut-out cover
- Single monitor shroud
- Double monitor shroud

6009 Arctic White
6249 Platinum Solid
6527 Merle
6B03 Red (receptacles only)

Applies to:
- Laminate skins

6000 Black
6001 Coffee Ⓔ
6009 Arctic White
6034 Natural Cherry
6036 Medium Cherry
6037 Winter on Maple
6038 Blonde on Maple Ⓔ
6041 Natural Walnut Ⓔ
6052 Milk
6053 Seagull
6128 Taupe
6169 Stone
6170 Mocha
61AA Persian Salt
61AB Rose
61AC Indigo
61AD Green Citrine Ⓔ
61AE Dark Olivine
61AF Cloudy
6213 Acacia
6219 Clear Oak
6231 Graphite Walnut
6237 Clear Maple
6242 Virginia Walnut
6243 Blackwood
6245 Clear Walnut
6249 Platinum Solid
6527 Merle
6615 Grey V5
6619 Ice Ⓔ
6631 Cream Ⓔ
6635 Dawn Ⓔ
6636 Mist
6654 Sand
6655 Warm White
66WA Grey Kingswood
66WB Planked Walnut
66WD Resolute Walnut
66WE Natural Recon
66WF Smoked Walnut
66WU Clay
66WV Chalk
6703 Ash Wenge
6704 Storm Wenge
6705 Bisque Wenge
6706 Clay Wenge
6707 Ash Noce
6708 Bisque Noce
6709 Clay Noce
6710 Storm Noce
6T02 Fawn Cypress
6T04 Saddle Oak
6T05 Veranda Teak
6T07 Walnut Heights
6T08 Aggregate
6T09 Gravel
6T10 Cement
6T12 Sheetrock

Custom Surfaces

Open Line Laminate (OLL)

This service allows you to order non-standard laminate at an additional processing fee, plus the cost of the laminate.

High-Pressure Laminate pricing does not include premium or digitally printed patterns from any suppliers. Laminate cost may also vary for basic or standard laminates from other suppliers. Please contact the OLL consultant at 616.475.2426 for pricing. The cost of the laminate will be added to your invoice as a separate line on the acknowledgement.

When processing orders for Open Line laminate on V.I.A. skins, specify 2900 in the laminate finish field and enter the OLL manufacturer information. Enter the required edge finish as you would a standard laminate.

Laminate Approval and Material Requirements
To confirm whether a particular laminate has already been tested for use on a specific Steelcase product or to determine material square requirements:
Visit *www.steelcase.com*

For additional information, refer to the *Steelcase Surface Materials Reference Manual*.

Markerboard Surface

Steelcase Surfaces

Applies to:
- Ceramic skins

7655 High Gloss White

Glass

Steelcase Surfaces

Applies to:
- Single glazed captured glass frame
- Double glazed captured glass frame
- Single side captured glass frames

Price Group 1

6500 Clear Glass

Price Group 2

6540 Clear Laminated
6541 White Laminated

Price Group 3

6501 Low Iron Clear
6542 Satin

Price Group 7

6504 Low Iron Clear Laminated

Customer-specified glass is available.

Applies to:
- Double glazed captured glass frame
- Single side captured glass frames

Back-Painted Glass

Price Group 6

6521 Truffle
6571 Aubergine
6575 Peacock
6576 Jungle
6577 Merlot
6578 Lagoon
6579 Saffron
6581 Blue Jay
6584 Tangerine
6586 Green Citrine/ Citrus Green
6588 Purple Berry
6589 Mercury
6591 Merle
6593 Greyscale
6595 Winter
6597 Honey
6BB1 Cloud
6BB2 Rose Quartz
6BB3 Olivine
6BB4 Electric Indigo

Applies to:
- Polished edge swing door leaves

Price Group 1

6500 Clear Glass

Price Group 3

6501 Low Iron Clear
6542 Satin
Customer-specified glass is available.

Plated Metal

Steelcase Surfaces

Applies to:
- Push/pull handle
- Ladder pulls

4710 Low Gloss Black
8031 Brushed Stainless
- Hinges
- Locksets
- Flush Bolts

4710 Low Gloss Black
9200 Satin Chrome
9201 Polished Chrome
- Roller Latch

8031 Brushed Stainless
- Door Closer

4710 Low Gloss Black
4799 Platinum Metallic

Vertical Surface Fabric

Steelcase Surfaces

Applies to:
- Solid steel skins

Price Group 1

Abacus Ⓔ
P123 Portico
P124 Opus
P125 Cusp
P126 Artifact

Boccie
P200 New Rice
P201 New Almond
P203 New Camel
P204 New Opal
P205 New Mist
P206 New Plum
P208 New Spearmint
P209 New Sky

Buzz2
5F03 Tomato
5F04 Red Ⓔ
5F05 Burgundy
5F06 Sky Ⓔ
5F07 Blue
5F08 Navy
5F15 Stone
5F16 Grey
5F17 Black
5G50 Dunegrass
5G51 Sable
5G55 Pumpkin
5G57 Rouge
5G59 Meadow
5G61 Cyan
5G62 Atlantic
5G63 Crocus
5G64 Alpine
5G65 Tornado

Charm
P505 Shell
P506 Mimosa
P507 Birch
P508 Sparkle
P510 Debut
P511 Clover
P513 Twilight

Optic
P540 Hazel
P541 Twinkle
P542 Orion
P547 Bath
P548 Whisper
P549 Breezy
P551 Glimmer

Rhythm
P555 Allegro
P556 Tempo
P557 Refrain
P560 Melody
P562 Opus

Tinsel
P516 Lit
P517 Ego
P518 Fizz
P519 Muse
P520 Depth
P521 Bliss
P522 Grow
P523 Dolce

Ⓔ = Excluded

Price Group 2

Bariolage
G200 New Etude
G201 New Andante Ⓔ
G202 New Cantata Ⓔ
G203 New Adagio
G204 New Melody
G205 New Ballata

Code
5FA1 Fossil
5FA2 Gabbro
5FA3 Reed
5FA4 Bluff
5FA5 Sea Salt
5FA6 Cannon
5FA7 Tussah
5FA9 Ecru
5FB1 Bamboo

Dovetail by Designtex
5H39 Light Mocha
5H40 Pebble
5H41 Warm White
5H42 Sandstone
5H43 Honeycomb
5H44 Terra
5H45 Honeydew
5H46 Denim
5H47 Storm
5H48 Ice Blue
5H49 Aura
5H50 Darkest Grey

Fresco
G001 Sandrift
G002 Mistiblu
G003 Faon

Intersection
P211 Summit
P212 Chalk
P213 Lace

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

Stencil
P455 Midnight
P456 Mulberry
P457 Cracked Pepper
P458 Denim
P459 Chartreuse
P460 Bittersweet
P461 Mauvelous
P462 Bermuda
P463 Concrete
P464 Orchid
P465 Parchment
P466 Silk
P467 Sea Salt
P468 Honeydew
P469 Sepia

Select Surfaces

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

Custom Surfaces

Price Group COM (Customer's Own Material)

Fabric Approval and Yardage
To confirm whether a particular COM material has already been tested for use on a specific Steelcase product or to determine actual yardage requirements:
- Visit *www.steelcase.com*

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

Wood

Applies to:
- Door leaf
- Solid veneer skins

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

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

When storing your wood furniture, please follow the following guidelines:
- Do not store products in trailers
- Store products in areas that simulate office temperatures (60°F to 90°F)
- Store products in areas that maintain constant, office-like humidity levels
- Keep product away from light. Cover products to make sure they are not exposed to light.

Steelcase Surfaces

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

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

Veneer

Wood Group 1

Flat-Cut Open-Pore

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

Flat-Cut Open-Pore, Natural Veneer

3342 FC/OP Black Walnut
35A2 FC/OP Blanch Maple
37A2 FC/OP Thunder Walnut

Quarter-Cut Open-Pore

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

Quarter-Cut Open-Pore, Natural Veneer

32A2 QC/OP Blanch Maple
33A2 QC/OP Thunder Walnut
3392 QC/OP Black Walnut

Rift-Cut Open-Pore

3602 RC/OP Desert Oak

Rift-Cut Full-Fill, Natural Veneer

36A2 RC/OP Volcanic Oak

Wood Group 3

Flat-Cut Open-Pore, Natural Veneer

3082 FC/OP Washed Walnut

Ⓔ = Excluded

Wood Group 1

Open-Pore Planked Veneer

3P41 OP Planked Cherry
3P51 OP Planked Maple
3P61 OP Planked Oak
3P71 OP Planked Walnut
3VFX OP Unmarked Oak

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

Full-Fill

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

Wood Group 2

Flat-Cut Full-Fill

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

Flat-Cut Full-Fill, Natural Veneer

3734 FC/FF Black Walnut Ⓔ

Quarter-Cut Full-Fill

3224 QC/FF Clear Maple Ⓔ
3294 QC/FF Blonde on Maple Ⓔ
3304 QC/FF Clear Walnut Ⓔ
3314 QC/FF Natural Walnut Ⓔ
3354 QC/FF Medium Walnut Ⓔ
3364 QC/FF Dark Walnut Ⓔ
3374 QC/FF Medium Mahogany on Walnut Ⓔ
3384 QC/FF Graphite Walnut Ⓔ

Quarter-Cut Full-Fill, Natural Veneer

3394 QC/FF Black Walnut Ⓔ

Rift-Cut Full-Fill

3604 RC/FF Desert Oak Ⓔ

Wood Group 3

Flat-Cut Full-Fill, Natural Veneer

3084 FC/FF Washed Walnut Ⓔ

Premium Veneers

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

Wood Group 3

Quarter-Cut Open-Pore

3832 QC/OP Figured Anegre

Select Surfaces

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

Composite Veneer

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

Composite Veneer Group 1

Composite Flat-Cut Open-Pore

3JDX FC/OP Oak Composite
3JJX FC/OP Walnut Composite
3LAX FC/OP Graphite on Oak Composite
3LCX FC/OP Medium Cherry on Cherry Composite

Composite Quarter-Cut Open-Pore

3F8X QC/OP European Walnut Composite
3GGX QC/OP Zebrano Composite
3HGX QC/OP Oak Composite
3HVX QC/OP Walnut Composite
3LBX QC/OP Clear Walnut on Walnut Composite
3LDX QC/OP Natural Walnut on Walnut Composite
3ZNX QC/OP Night Cerused Oak Composite

Composite Veneer Group 2

Composite Flat-Cut Open-Pore

3LHX FC/OP Espresso on Walnut Composite

Composite Quarter-Cut Open-Pore

3LEX QC/OP Desert Oak on Oak Composite
3LGX QC/OP Chai on Walnut Composite
3LJX QC/OP Ebony on Walnut Composite

Custom Surfaces

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

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

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

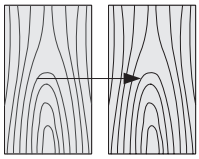
Customiz stain takes 10 days to formulate. Consult the *Surface Materials Reference Manual* for more information. Custom veneers are also available and must be quoted by Steelcase specials group. Customiz stain on custom veneers takes 2 to 4 weeks to formulate.

Requirements and information on ordering a Customiz stain color are found in the *Surface Materials Reference Manual.*

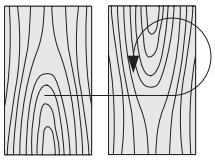
Pleasing Match—Veneer

To help minimize the potential visual differences in grain pattern when applying veneer skins, Steelcase uses a randomly matched veneer configuration known as pleasing match.

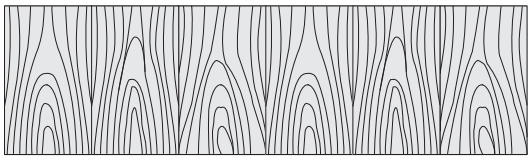
The pleasing match veneer configuration is used on V.I.A. veneer skins and veneer doors.



Slip Matching
Successive veneer leaves in a flitch are “slipped” alongside one another without being turned over. The result is a series of grain pattern repeats. In quarter-cut veneer, one side of a leaf may be darker than the veneer on the other side, resulting in a striped look.



Slip Reverse
Successive veneer leaves in a flitch are slip matched with every other leaf rotating 180º. The characteristic marks in the veneer are alternated with each leaf, which balances out the surface.



Pleasing Match
Non-successive veneer leaves from multiple flitches are arranged in a non-sequential pattern designed to eliminate repetition of veneer characteristics. This lay-up, used for panel skins, creates an architectural aesthetic.

Paint Color and Anodized Aluminum Availability Matrix

Legend

- • = Not available
- ■ = Available
- Ⓔ = Excluded

	Paint Price Group 1 (Smooth)	**4238** Mocha	**4239** Clay	**4240** Chalk	**4242** Milk	**4710** Low Gloss Black	**4843** Linen	**4844** Glacier	**4849** Vapor	**4858** Seagull	Paint Price Group 1 (Texture)	**7190** Platinum Solid	**7207** Black	**7225** Sand	**7237** Slate	**7238** Fieldstone	**7239** Midnight Ⓔ	**7241** Arctic White	**7243** Seagull	**7360** Merle	Paint Price Group 2 (Metallic)	**4743** Mineral Metallic	**4750** Champagne Metallic	**4798** Sterling Metallic Ⓔ	**4799** Platinum Metallic	**4803** Near Black Metallic	**7245** Carbon Metallic	**7246** Midnight Metallic
Ceiling Track		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■		■	■	■	•	■	■	■
Base Trim		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■		■	■	■	•	■	■	■
Floor Track		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■		■	■	■	•	■	■	■
Captured Glass Frames		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Solid Steel Skin		■	■	■	■	•	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Slatwall Skin		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Door Frames		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Door Frame/Mini End Hardware Kit		•	•	•	•	•	•	•	•	•		■	•	•	•	•	•	■	•	■		•	•	•	•	•	•	•
Solid Swing Door Leaf		■	■	■	■	•	■	■	■	■		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•
Slider Door Leaves		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Slider Door Track		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Slider Door Track Bracket		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Junction Covers		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Variable Angle Junction Covers		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
90° Inner Junction Trim		•	•	•	•	•	•	•	•	•		■	•	•	•	•	•	■	•	■		•	•	•	•	•	•	•
Adapter		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Finished End Covers		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Finished End – Top and Bottom Trim		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Mini End		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Mini End Cover		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Cutable Ends		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Utility Panel Cover		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Monitor Shrouds		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Cantilever Brackets		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Cornice Tracks		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Cornice Corners		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■
Cornice Brackets		■	■	■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■

Tip: 7190 Platinum Solid is intended for use on components that are recessed from the face of the wall (ceiling track, base, and mini ends) to be consistent with 6249 Platinum Solid plastic seal finishes in the reveals.

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