Steelcase

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October 2020

V.I.A. Specification Guide

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Availability

Electronic price list updated with release 190.K (U.S.) and 151.K (Canada), dated October 19, 2020.

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

Spec News is available on *village.steelcase.com.* Search Steelcase Marketing Resources (Adstock) and download the current release's Spec News.

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

View or download Steelcase Specification Guides at *https://www.steelcase.com/resources/documents?tax-[doctype]=spec-guide.*

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 *http://finishlibrary.steelcase.com.*

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

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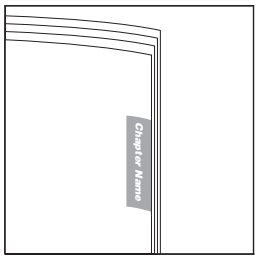
Prices

Contact Scott Alberty (salberty@steelcase.com) for current prices.

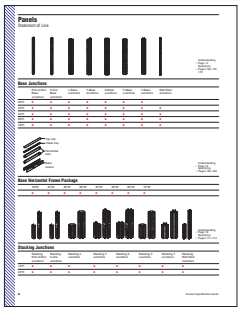
Ten Tips:
How to Get the Most Out of This Book

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

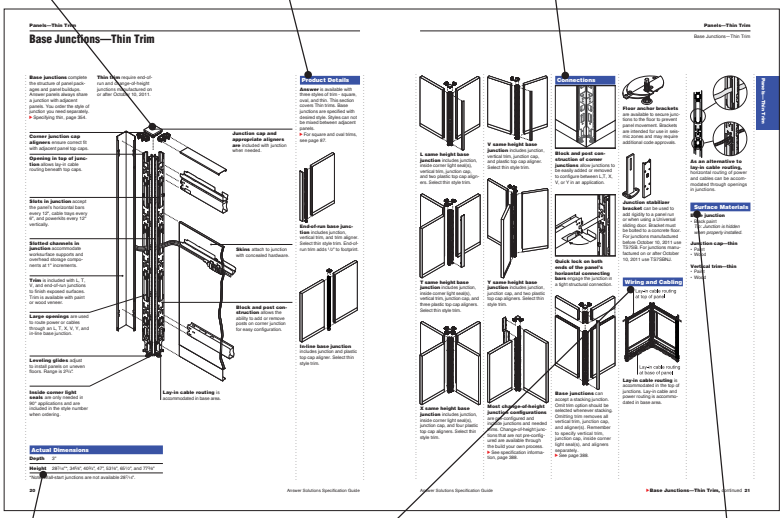
Study the product detail pages in the *Understanding* section to learn everything an expert knows about specific products. Each product detail page in this section contains the following features, where applicable:

- 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.

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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:

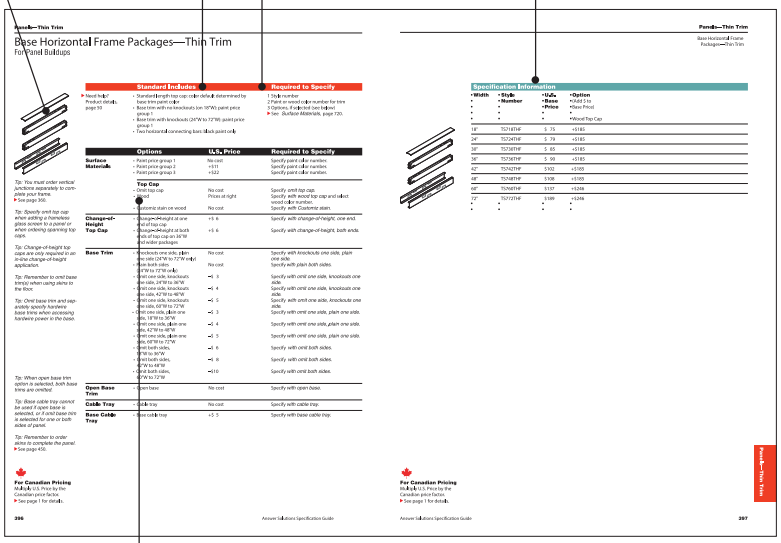
- Product Drawing
- Standard Includes
- Required to Specify
- Options
- Related Products
- Specification Information
  - Dimensions
  - Style Number
  - Price

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.


Base Horizontal Frame Packages—Thin Trim
For Panel Buildups

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*

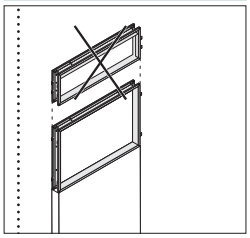
Italic typeface on specifying pages usually identifies wording that you should use in your order.

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.

Pricing

Due to the parametric nature of V.I.A. product, all list price information is maintained within SmartTools, and generated as part of standard SmartTools output. There is no pricing information in the V.I.A. Specification Guide.

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.

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.

Statement of Line

Structural Frame Components

Understanding
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Specifying
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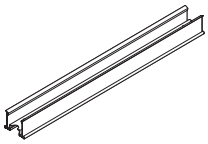
Post

15"–144"

●



Understanding
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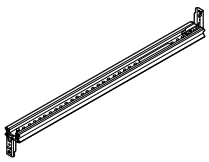
Structural Horizontal

6"–120"

●



Understanding
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Specifying
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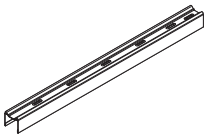
Intermediate Horizontal

6"–120"

●



Understanding
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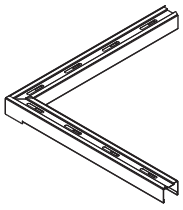
Straight Ceiling Track

120'	144'
●	●



Understanding
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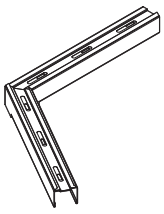
Corner Fixed Angle Ceiling Track

90°	120°	135°
●	●	●



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Corner Variable Angle Ceiling Track

91°–179°

●

Structural Frame Components, continued

Understanding
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Specifying
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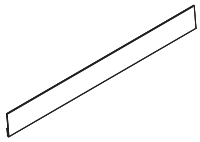
T/X Ceiling Track Bracket



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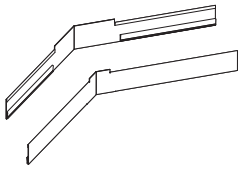
Straight Base Trim

120"	144"
●	●



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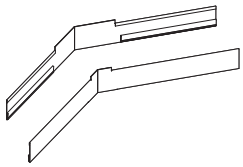
Corner Fixed Angle Base Trim

90°	120°	135°
●	●	●



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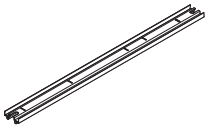
Corner Variable Angle Base Trim

91°–179°
●



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Floor Track

6"–120"
●

Understanding
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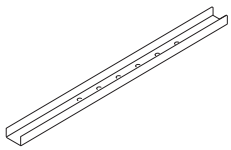
Floor Track Spring



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Floor Guide

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Short Post Leveler Bracket

Structural Frame Components, continued

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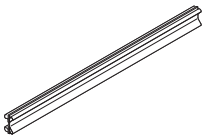

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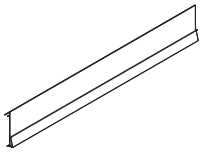
Post Acoustic Seal Packages

Intermediate Horizontal Acoustic Seals



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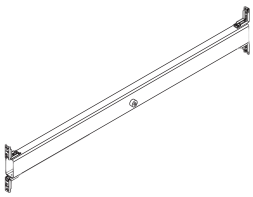

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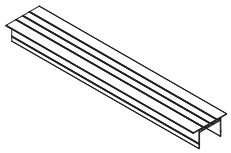
Structural Horizontal Acoustic Seals

Structural Beam

12"–120"W

●

Cornice Application



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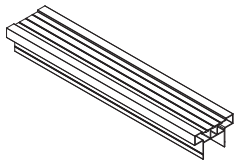
Cornice Track Deck

130"

●



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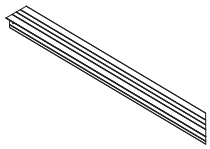
Cornice Track Beam

130"

●



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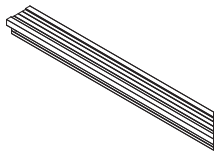
Cornice Track Deck Corner

36" x 36"

●



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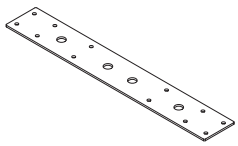
Cornice Track Beam Corner

36” x 36”

●



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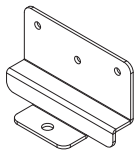
Cornice Bracket



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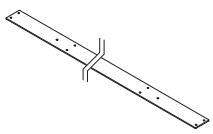
Cornice Skin Structural Bracket



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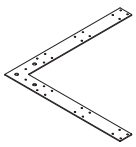
Cornice Seismic Reinforcing Track – Straight



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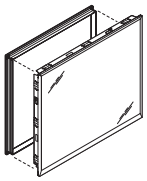
Cornice Seismic Reinforcing Track – Corner

Captured Glass Frames



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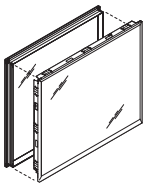
Single Glazed Captured Glass Frame

12"–141.71654"H x 12"–120"W

●



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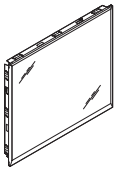
Double Glazed Captured Glass Frame

12"–141.71654"H x 12"–120"W

●



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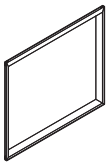
Single Side Captured Glass Frame—Side A and Side C

12"–141.71654"H x 12"–120"W

●



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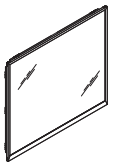
Single Side Captured Glass Frame—Side B

12"–141.71654"H x 12"–120"W

●



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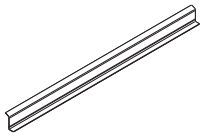
Single Side Captured Glass Frame—Side D (Back-Painted Glass)

12"–120"H x 12"–120"W

●

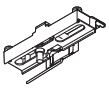


Understanding
▶Page 42
Specifying
▶Page 158

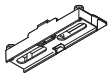
Acoustic Seal for Captured Glass

24"W	48"W	72"W	96"W	120"W
●	●	●	●	●

Brackets and T Nuts



Locking Bracket
Specifying
▶ Page 159



Non-Locking Bracket
Specifying
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Load Bracket
Specifying
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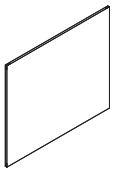
T Nuts
Specifying
▶ Page 159

Skins



Understanding
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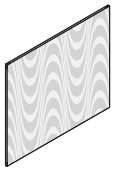
▶ Page 162

Solid Steel Skin

6"–141.71654"H x 6"–120"W

●



Understanding
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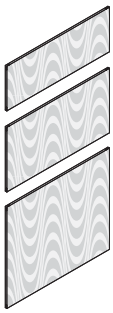
Solid Veneer Skin

6"–120"H x 6"–120"W

●



Understanding
▶ Page 46
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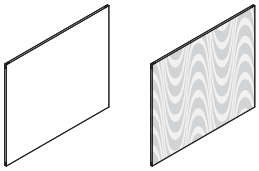
▶ Page 166

Solid Veneer Skin Set

12"–118"H x 12"–118"W

●



Understanding
▶ Page 46
Specifying
▶ Page 168

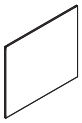
Solid Laminate Skin

6"–120"H x 6"–120"W

●

▶**Statement of Line,** continued **11**

Skins, continued



Understanding
▶Page 46
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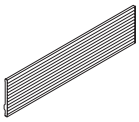
▶Page 170

Ceramic Skin

24"–120"H x 24"–120"W
●



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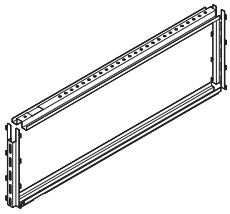
Slatwall Skin

6"H x 24"–60"W	12"H x 24"–60"W	18"H x 24"–60"W	24"H x 24"–60"W
●	●	●	●



Understanding
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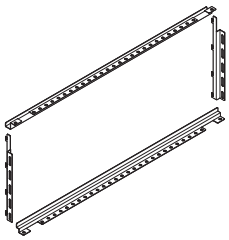
Double Slatwall Skin Hardware

6"	12"	18"	24"
●	●	●	●



Understanding
▶Page 46
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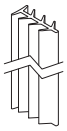
Single Slatwall Skin Hardware

6"	12"	18"	24"
●	●	●	●



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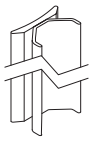
Flush Skin Seal



Understanding
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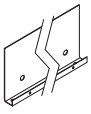
90° Inside Corner Flush Skin Seal



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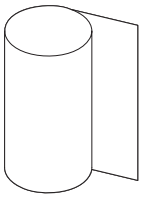
▶Page 173

Cove Base Trim - Straight

Understanding
▶Page 46
Specifying
▶Page 173

Junction Cover Retention Clip

Skins, continued



Understanding
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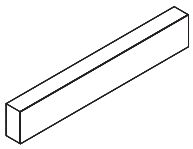
Acoustic Insulation



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Acoustic Skin Seal

Reversible Swing Doors

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Specifying
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Single Reversible Swing Door Frame

82.44100"–123.71627"H x 28–44.445"

●

Understanding
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Specifying
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Single Reversible Solid Swing Door Leaf

82.44100"–123.71627"H x 28–44.445"

●

Understanding
▶Page 52
Specifying
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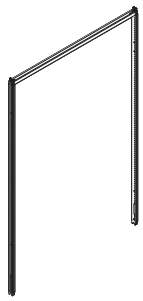
Single Reversible Polished Edge Swing Door Leaf

82.44100"–123.71627"H x 28–44.445"

●



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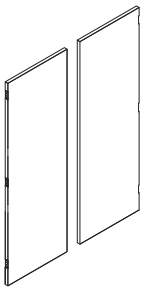
Pair of Reversible Swing Door Frames

82.44100"–123.71627"H x 48"–80"

●

Reversible Swing Doors, continued



Understanding
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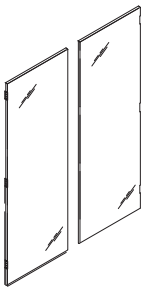
Pair of Reversible Solid Swing Door Leaves

82.44100"–123.71627"H x 48"–80"

●



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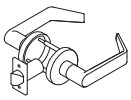
Pair of Reversible Polished Edge Swing Door Leaves

82.44100"–123.71627"H x 48"–80"

●

Door Hardware



Cylindrical Latch Set
Specifying
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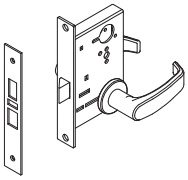
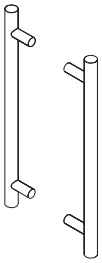
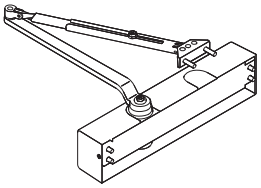


Mortise Latch Set
Specifying
▶Page 182



Push/Pull Handle
Specifying
▶Page 183



Door Closer
Specifying
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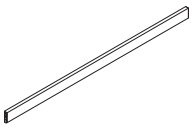
Roller Latch
Specifying
▶Page 183



Door Drop Seal
Specifying
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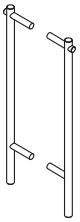
Electric Hinge
Specifying
▶Page 184



Ladder Pull, Aligned
Specifying
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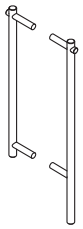
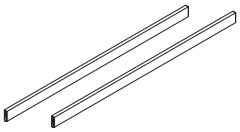
Door Hardware, continued



Ladder Pull, Offset
Specifying
▶Page 185



Door Drop Seals
Specifying
▶Page 186

Flush Bolts
Specifying
▶Page 186

Slider Doors

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▶Page 58
Specifying
▶Page 188

Single Surface Mounted Slider Door Frame

80.984"–120"H x 38–48"W

●

Understanding
▶Page 58
Specifying
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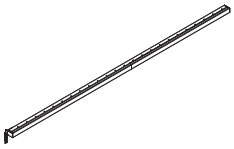
Single Surface Mounted Polished Edge Slider Door Leaf

80.984"–120"H x 38–48"W

●



Understanding
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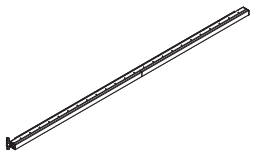
Basic Single Surface Mounted Slider Door Track

6"–144"W

●



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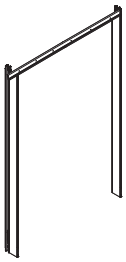
Reinforced Single Surface Mounted Slider Door Track

98.00001"–168"W

●

Slider Doors, continued



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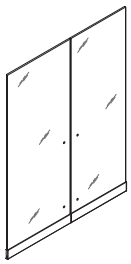
Frame for Pair of Surface Mounted Slider Doors

80.984"–120"W

●



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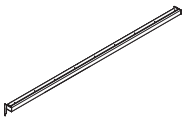
Pair of Surface Mounted Polished Edge Slider Door Leaves

80.984"–120"W

●



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▶Page 194

Reinforced Track for Pair of Surface Mounted Slider Doors

106.874"–288"W

●

Intersections—Junctions and Adapters

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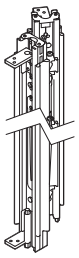
Two-Way Fixed Angle Junction Assembly

80"–144"H	90°	120°	135°	180°
	●	●	●	●



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Two-Way Variable Angle Junction Assembly

80"–144"H	91°–179°
	●

Intersections—Junctions and Adapters, continued

Understanding
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Specifying
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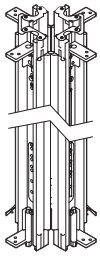
Three-Way Junction Assembly

80"–144"H	90°	120°	135°
	●	●	●



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Four-Way Junction Assembly

80"–144"H
●

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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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▶Page 74
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Outer Junction Cover

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

Intersections—Junctions and Adapters, continued

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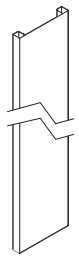
Variable Angle Outer Junction Cover

77.71654"–141.71654"H	91°–179°
	●



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Bypass Outer Junction Cover

77.71654"–141.71654"H
●

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90° T/X Adapter

77.71654"–141.71654"H
●

Understanding
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Finished End

77.71654"–141.71654"H
●

Mini Ends

Understanding
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90° Adjustable Mini End

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

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▶Page 80
Specifying
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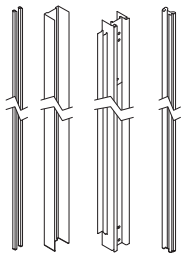
Mini End Cover

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

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

● ● ●

Understanding
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Specifying
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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

●

Understanding
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Cutable End Corner Angle

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Cutable End Elbow

Electrical Components

15 amp

20 amp

Receptacle
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USB Receptacle
Understanding
▶ Page 86
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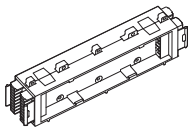

Power Block
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Power/Communication Receptacle Trim
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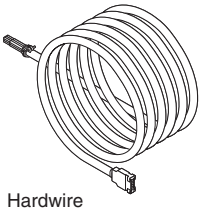
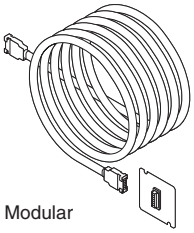


Hardwire



Modular

Blank Cut-Out Cover
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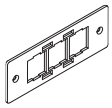

Modular Communication Faceplate
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Multipurpose Infeed
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Power Block Connector
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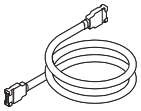

Modular Harness
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Harness-to-Harness Branching Connector
Understanding
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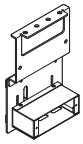

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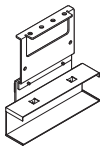
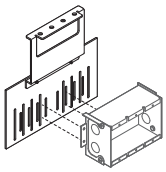


Modular



Hardwire

Electrical Mounting Bracket-Skin
Understanding
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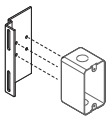
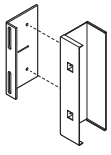


Hardwire box



Modular power block

Electrical Mounting Bracket- Utility Panel
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Electrical Components, continued

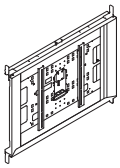
Understanding
▶Page 87
Specifying
▶Page 227

Utility Panel Cover

77.71654"–141.71654"H

●

Technology Components



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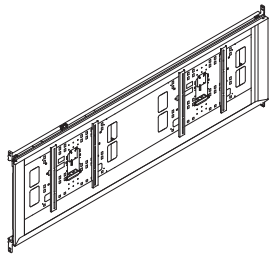
Single Monitor Shroud

42"W	48"W	54"W	60"W
●	●	●	●



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Double Monitor Shroud

96"W

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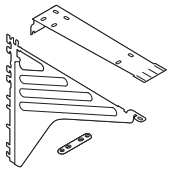
Camera Shelf for Monitor Shroud

Hang-On Components



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On-Module Cantilever

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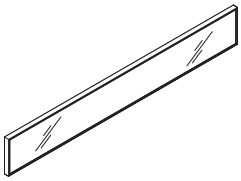
Side Support Brackets

Lighting



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Ambient LED Light

12"–120"W

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LED Driver

Lite Scale Glazing

Understanding
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Glass Lite Butt Glazed – Lite Scale

6"–120"H x 6"–120"W

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▶Page 124
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Structural Vertical Post – Lite Scale

82.24409"–120"H

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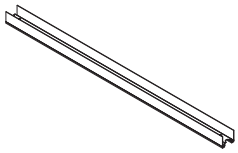
Lite Scale Glazing, continued



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Structural Horizontal – Lite Scale

38"–48"W

●

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Vertical Transition–Butt Glazed – Lite Scale

122"H

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Vertical Transition–Inner – Lite Scale

122"H

●

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Vertical Transition–Cover – Lite Scale

122"H

●

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Vertical Transition–Stop – Lite Scale

122"H

●

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Vertical Transition–Safety Spring – Lite Scale

Lite Scale Glazing, continued

Understanding
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90° Junction Trim – Lite Scale

82.24409"–120"H

●

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Outer Junction Cover – Lite Scale

82.24409"–120"H

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Bypass Outer Junction Cover – Lite Scale

82.24409"–120"H

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▶Page 124
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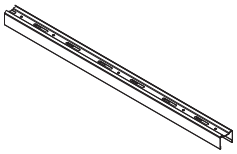
Utility Panel Cover – Lite Scale

82.24409"–120"H

●



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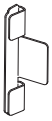
Straight Ceiling Track – Lite Scale

144"L

●



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Ceiling Track–End Channel – Lite Scale

Lite Scale Glazing, continued

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Glass Stop–Vertical – Lite Scale

122"L

●

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Glass Channel–Vertical – Lite Scale

122"L

●

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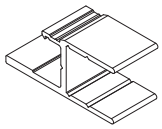
Glass Channel–Ceiling Track, Single – Lite Scale

122"L

●



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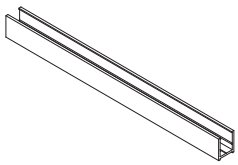
Glass Channel–Variable Angle – Lite Scale

122"L

●



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Glass Channel Floor Track, Single – Lite Scale

122"L

●

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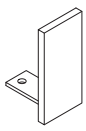
Finished End Cap–Small – Lite Scale



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Finished End Cap–Large – Lite Scale

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Glazing Tape–Clear – Lite Scale

54'L

●

Lite Scale Glazing, continued

Understanding
▶Page 124
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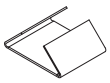
▶Page 248

Glazing Tape–Black – Lite Scale

108'L

●



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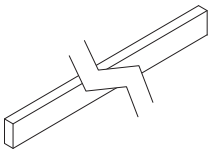
Seal–Ceiling Grid – Lite Scale



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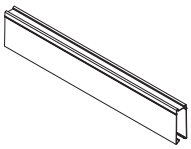
Seal–Light and Sound – Lite Scale

122"L

●



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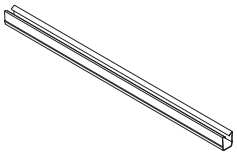
Glazing Channel–Ceiling – Lite Scale

122"L

●



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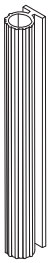
Glazing Channel–Floor – Lite Scale

122"L

●



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Glazing Strip–Vertical – Lite Scale

122"L

●

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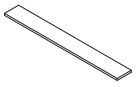
▶Page 250

Glazing Blocks – Lite Scale



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Glazing Shim–Small – Lite Scale

Lite Scale Glazing, continued

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Glazing Shim–Medium – Lite Scale

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▶Page 124
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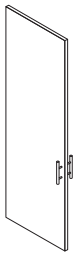
▶Page 251

Single Reversible Swing Door Frame – Lite Scale

83.62992"–119.80315"H x 28"–44.5"W

●



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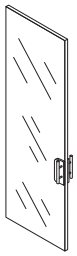
Single Reversible Solid Swing Door Leaf – Lite Scale

83.62992"–119.80315"H x 28"–44.5"W

●



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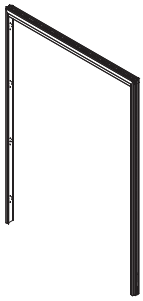
Single Reversible Polished Edge Swing Door Leaf – Lite Scale

83.62992"–119.80315"H x 28"–44.5"W

●



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▶Page 124
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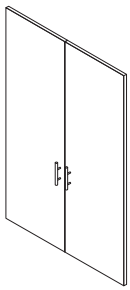
Pair of Reversible Swing Door Frames – Lite Scale

83.62992"–119.80315"H x 48"–80"W

●



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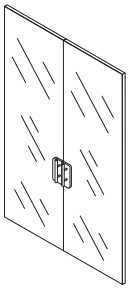
▶Page 255

Pair of Reversible Solid Swing Door Leaves – Lite Scale

83.62992"–119.80315"H x 48"–80"W

●

Lite Scale Glazing, continued



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Pair of Reversible Polished Edge Swing Door Leaves – Lite Scale

83.62992"–119.80315"H x 48"–80"W

●

Understanding
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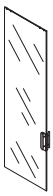
Single Surface Mounted Slider Door Frame – Lite Scale

82.04724"–119.80315"H x 38"–48"W

●



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Single Surface Mounted Polished Edge Slider Door Leaf – Lite Scale

82.04724"–119.80315"H x 38"–48"W

●

Understanding
▶Page 124
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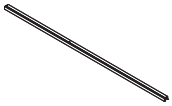
▶Page 259

Basic Single Surface Mounted Slider Door Track – Lite Scale

6"–144"W

●



Understanding
▶Page 124
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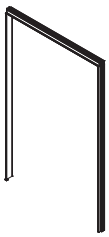
Reinforced Single Surface Mounted Slider Door Track – Lite Scale

98.00001"–168"W

●



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Frame for Pair of Surface Mounted Slider Doors – Lite Scale

82.04724"–119.80315"H x 60"–80"W

●

Lite Scale Glazing, continued

Understanding
▶Page 124
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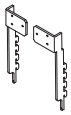
▶Page 262

Pair of Surface Mounted Polished Edge Slider Door Leaves – Lite Scale

82.04724"–119.80315"H x 60"–80"W

●



Understanding
▶Page 124
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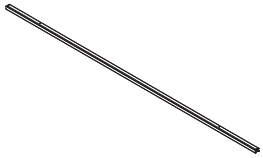
Slider Door Track Bracket – Lite Scale

82.04724"–119.80315"H

●



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▶Page 263

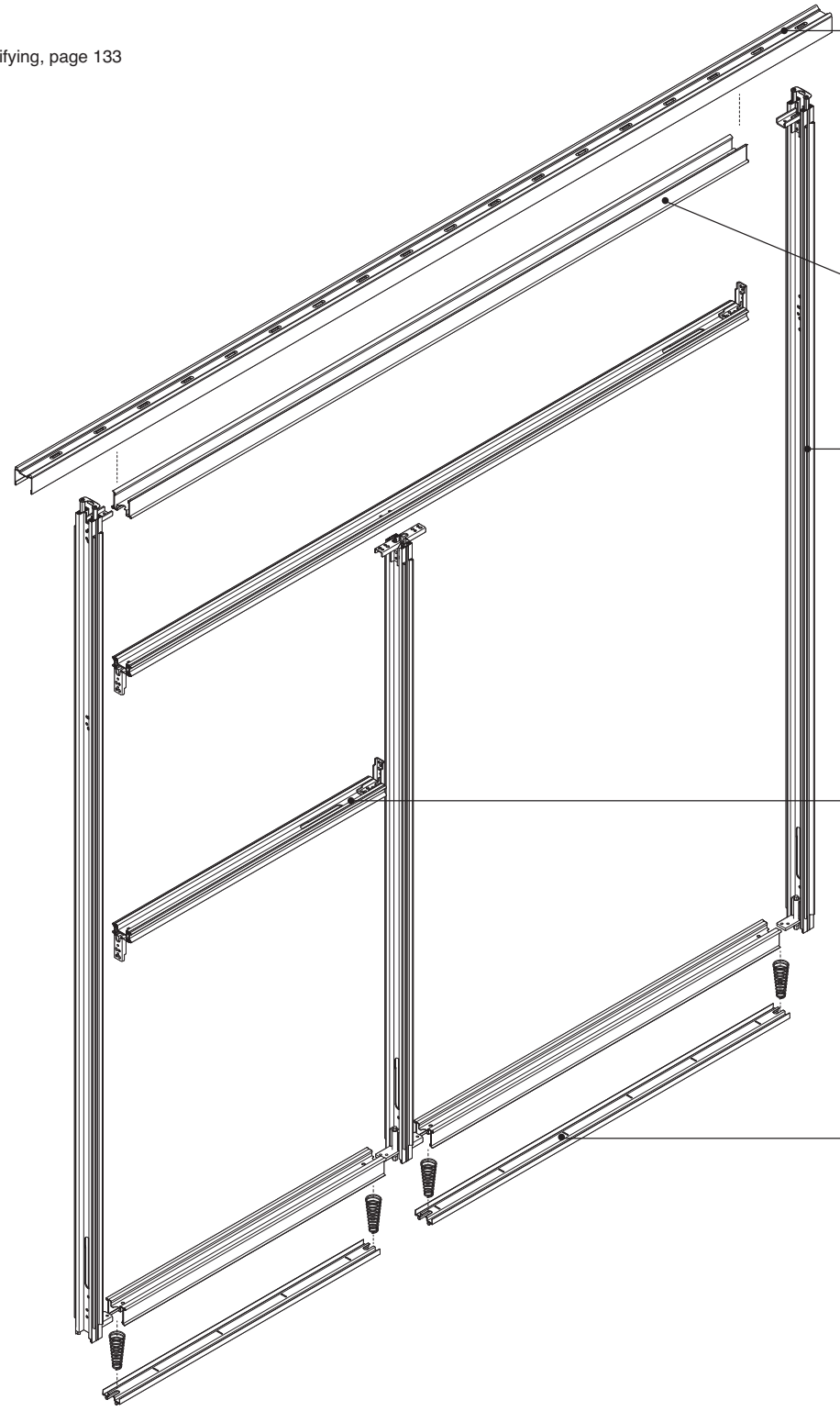
Reinforced Track for Pair of Surface Mounted Slider Doors – Lite Scale

106.874"–288"W

●

Structural Frame Components

▶Specifying, page 133



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.

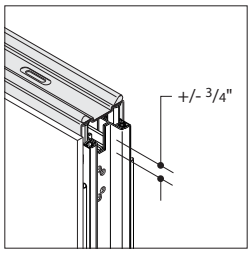
Product Details

▶See *V.I.A. Planning Dimensions,* page 109, 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.

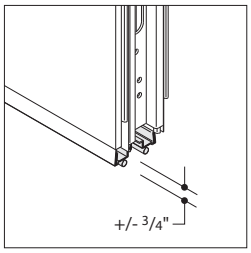
Base trim is cut on site and applied to the floor track to provide visual and acoustic separation.

Power and communication mounting brackets are attached to structural and intermediate horizontals for positioning modular and hardwire electrical components.
▶See *Electrical Components*, page 84



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.

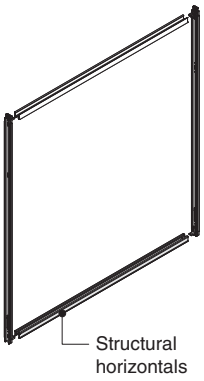


Floor track fits between vertical posts, junctions, or adapters. Allows 3/4" of vertical adjustment to accommodate variations at the base of the wall. Floor track is available from 6" to 120"W to fit V.I.A. wall module width.

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.

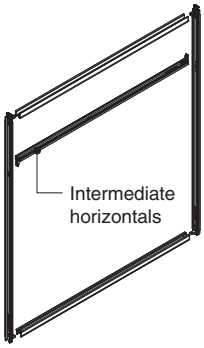


Structural horizontals provide structural connection from post to post at the top and bottom of the wall.

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.

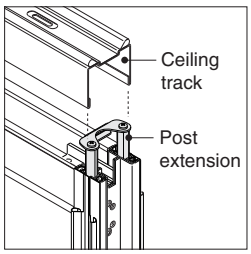
Skins can span across intermediate horizontals.

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.

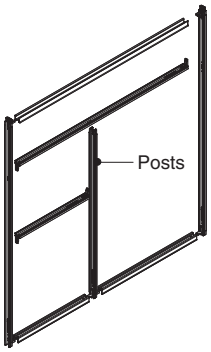
When the ceiling height exceeds 10'-0", posts cannot be spaced more than 48" apart.

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.

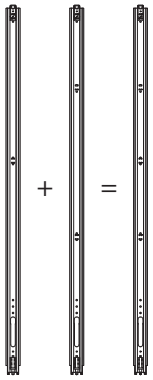


When connecting at the ceiling track, the post includes a post extension to accommodate for variation at the ceiling.

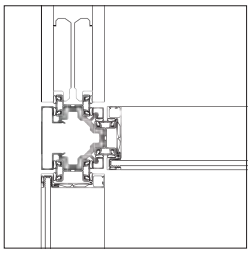


Posts are factory prepared to receive intermediate horizontals at specified heights.

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



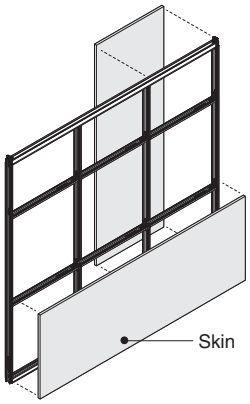
Posts can be configured to receive up to 11 intermediate horizontals. Positions are optimized so that multiple segmentation configurations can be applied to every post to create a universal post as appropriate for a specific project.
▶See *SmartTools*, page 4



Multiple posts are joined together at intersections to create junctions.
▶See page 74

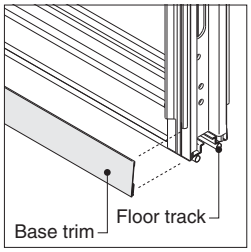
A cable access hole at the bottom of each post allows for routing of power and communications cabling.

▶**Structural Frame Components,** continued



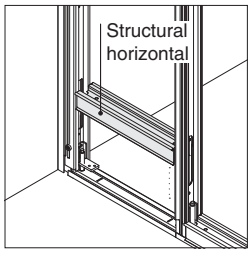
Skins can span across posts.

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 143

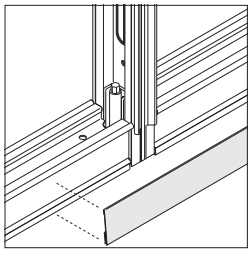


Base trim fits into position at the bottom of the wall over the floor track. Two sizes are available: 10' and 12'L. Base trim is cut to length during installation. 12' lengths can be used over larger spans to minimize the number of seams.

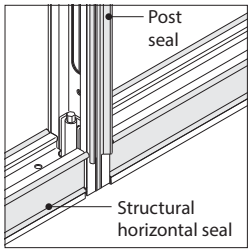
Base trim corner options are:
- Fixed angle corners: 90°, 120°, and 135°.
- Variable angle corners: 91° to 119°, 121° to 134°, and, 136° to 179° in 1° increments.



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

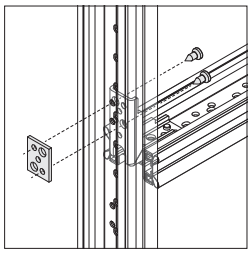
Ceiling track fasteners secure the track to the suspended ceiling grid. Seven standard styles:
- 1"W exposed T
- $^{9}/_{16}$"W exposed T
- $^{1}/_{4}$" Donn fineline
- $^{1}/_{8}$" Donn fineline
- 1" fluted runner $^{1}/_{4}$–20
- 1"W T for tegular ceiling tiles
- $^{9}/_{16}$"W T for tegular ceiling 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 34

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.



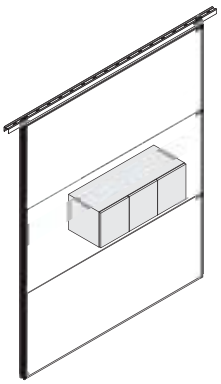
Nut plates attach intermediate horizontals to posts at two-way (fixed or variable angle) junctions, three-way junctions, four-way junctions, utility panels, and mini ends.

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 142

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 102

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

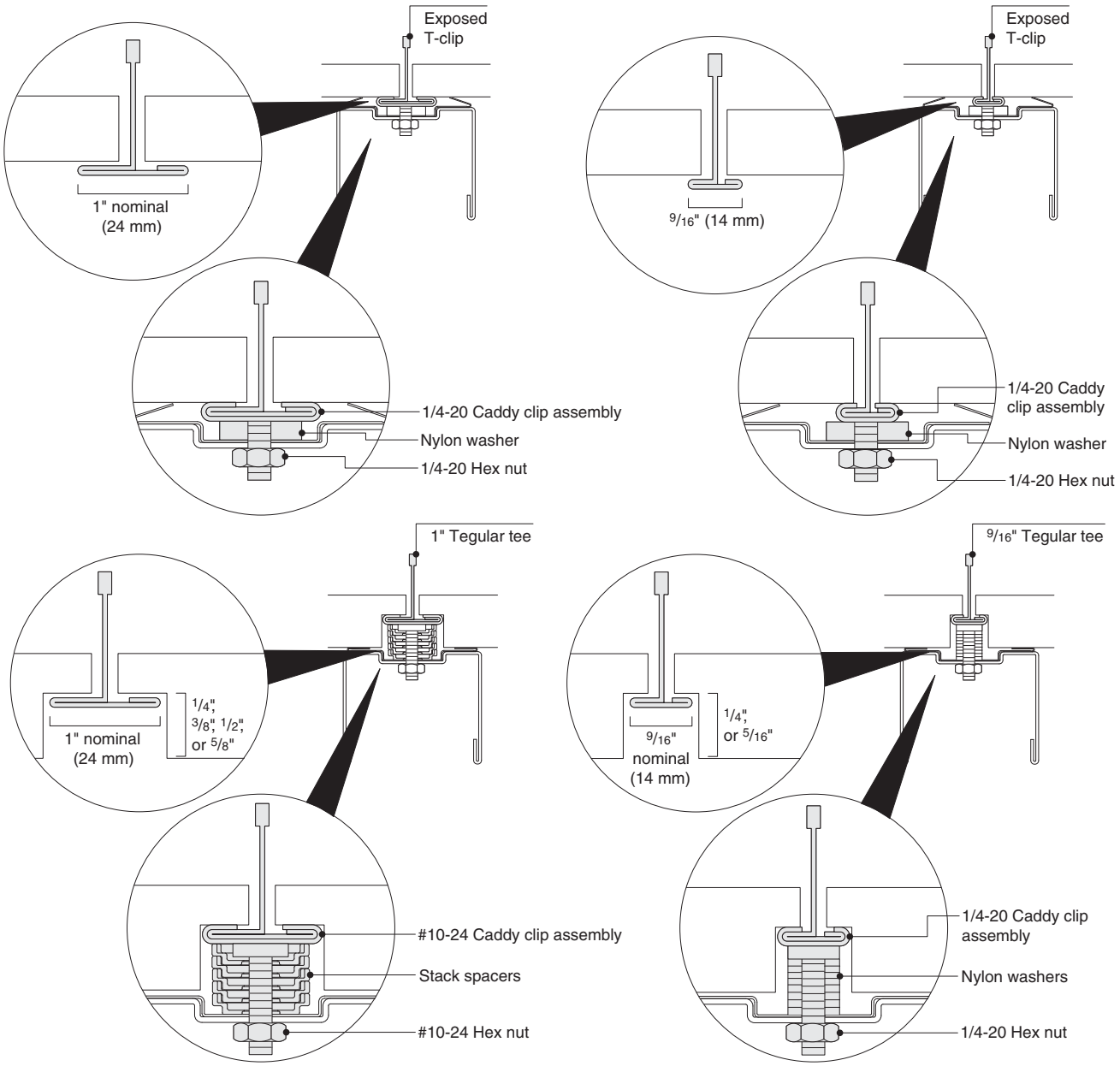
Application Topics

V.I.A. Planning Dimension
▶See page 109
Electrical Components
▶See page 84
Acoustic Planning Considerations
▶See page 116
Planning with Solid Skins and Landscape Oriented Components
▶See page 110
Hang-On Components
▶See page 100

Ceiling Clip Application

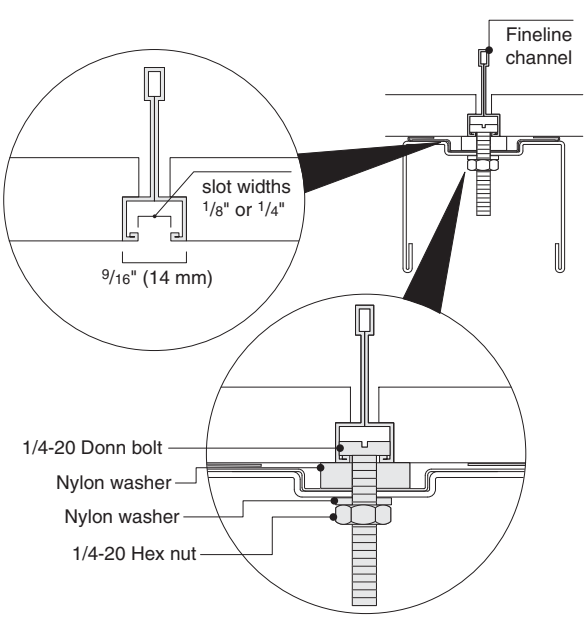
Tip: All planning and application guidelines contained in this section of the specification guide are based on the requirement that ceiling track is connected to a ceiling in order to properly install and align the wall components as shown. When any partition is fastened to a suspended ceiling grid, 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.

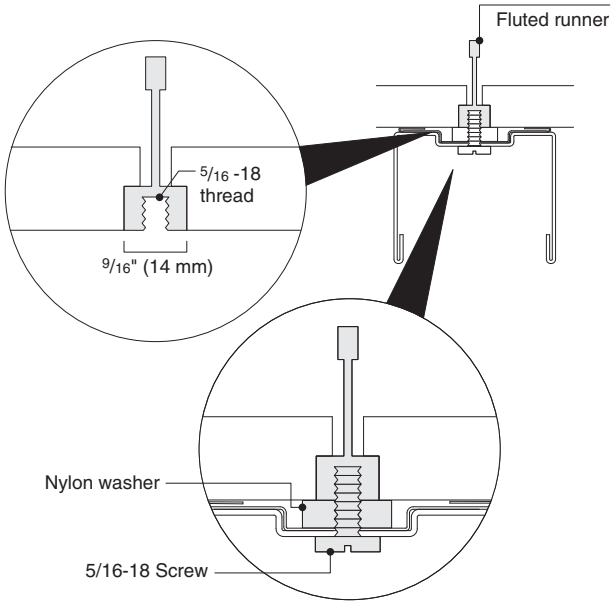
T Grid Ceiling Fastener Kits



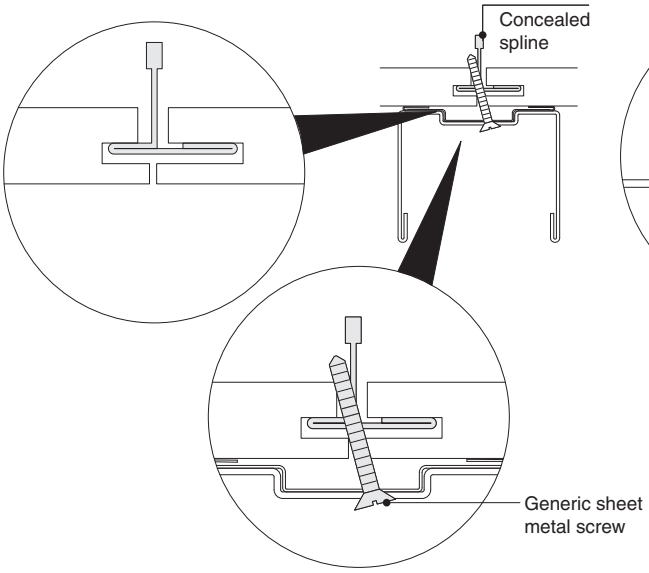
Bolt Slot Grids Ceiling Fastener Kits

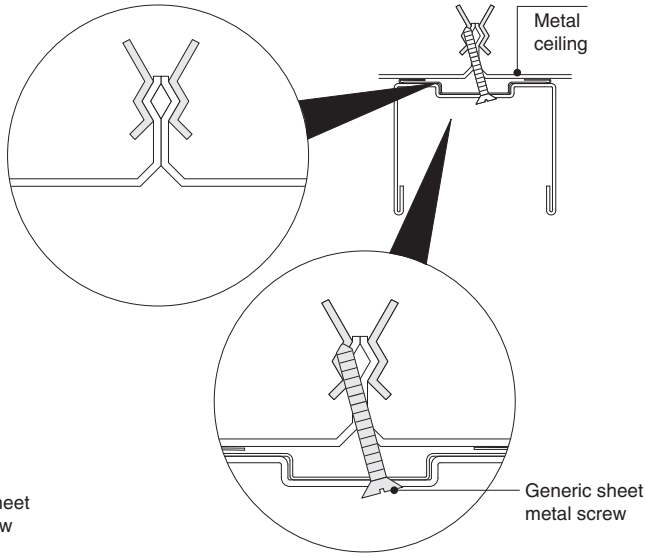
Ceiling clips support the most common types of ceiling systems.





Concealed Grids – Field-Purchased Generic Fasteners





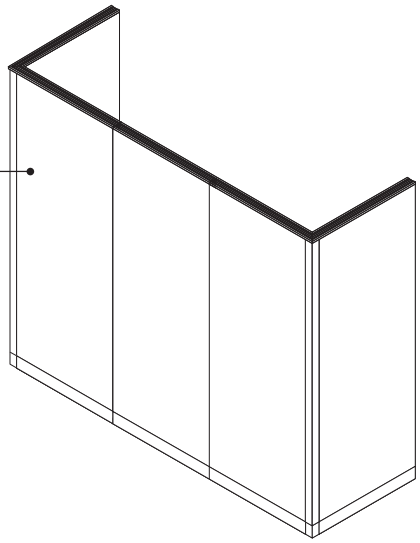
For these and other types of ceilings, the following fasteners can be sourced locally by the installer:

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

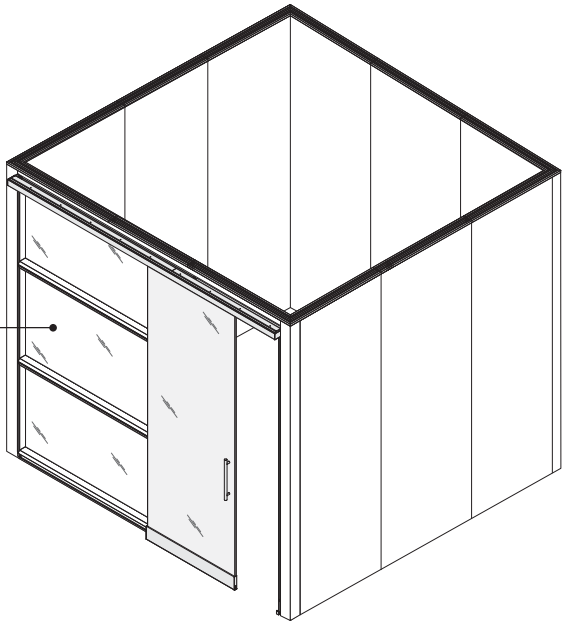
Cornice Application

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 147

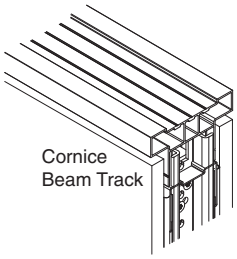


The maximum recommended length of a cornice height wall without a door is 12'. The maximum allowable length of a cornice height wall without a door is 16'.

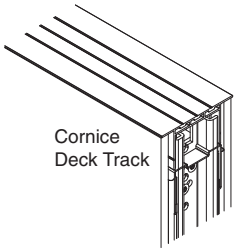


The maximum allowable length of a cornice height wall with a door is 12'. Any wall with a door must be configured with a structural condition at both ends.

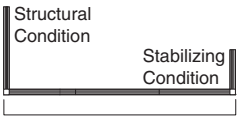
Product Details



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.



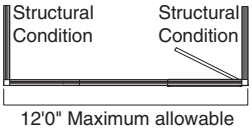
16'0" Maximum allowable
12'0" Maximum recommended

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.

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.

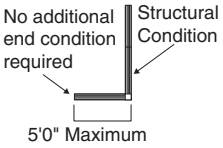


The maximum allowable length of a cornice height wall with a door is 12'.

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

Tip: See page 38 for structural conditions.

Tip: See page 39 for stabilizing conditions.



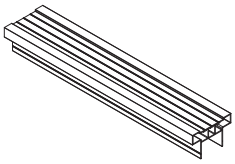
A wall of 5' or less must be configured with at least a structural connection at one end only. No additional end condition is required.

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

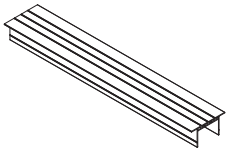
Cornice track is provided in 130" lengths and cut to length as part of the installation process.

Cornice track is field cut to create intersections as required.

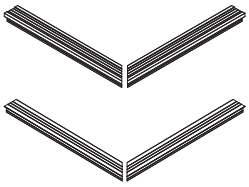
Screws for cornice track are provided and shipped separately.



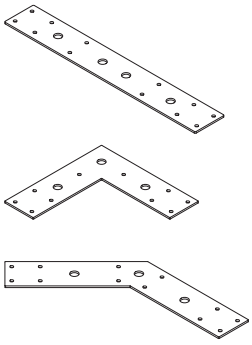
Beam track is used as a finished top trim when walls are applied without a lid assembly. Beam track can be painted or anodized finish.



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

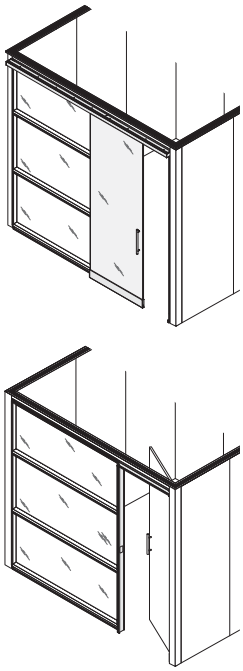


Cornice corner track is specified at L corners for both beam and deck tracks. Corners are factory-mitered and assembled as part of the installation process.



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

Screws for cornice brackets are provided and shipped separately.



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.

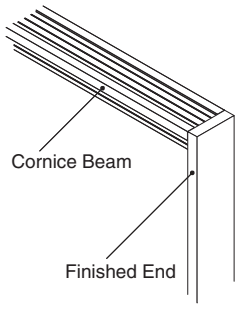
The maximum length of a cornice height wall with a door is 12'.

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.

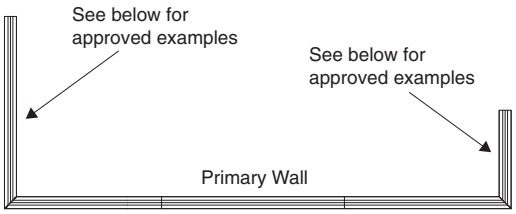
Lite scale butt glazing cannot be used in cornice height applications.



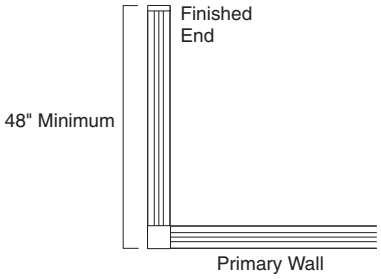
When applied in cornice applications, finished ends should be ordered and specified at a taller height in order to conceal the end of the cornice beam. Planning height = ceiling height minus 0.90551".

Structural Conditions

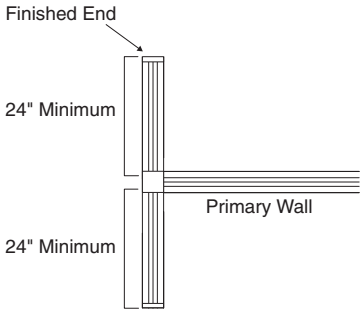
Examples



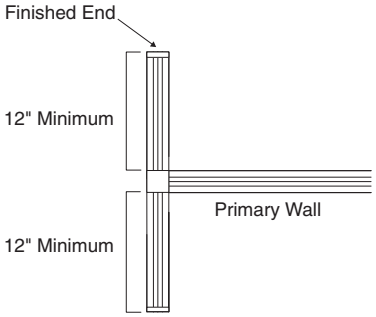
See below for approved examples



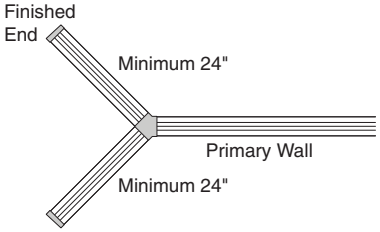
L-wing wall with finished end 48" minimum.



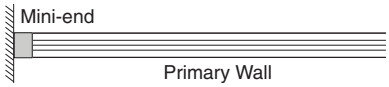
T-wing wall with finished ends 24" minimum.



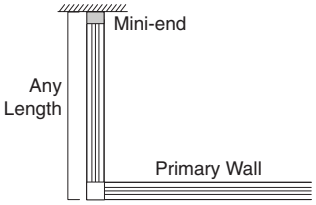
T-wing wall with finished ends 12" minimum with seismic floor guide.



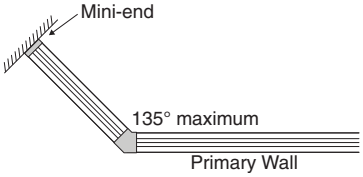
Y-wing walls with finished ends 24" minimum.



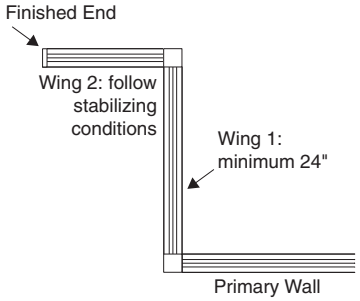
Mini-end anchored to fixed wall.



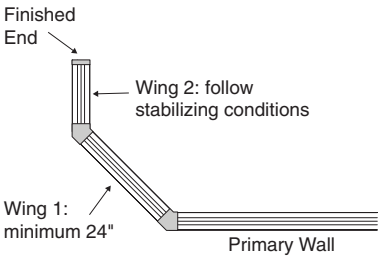
L-wing with mini-end anchored to fixed wall.



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



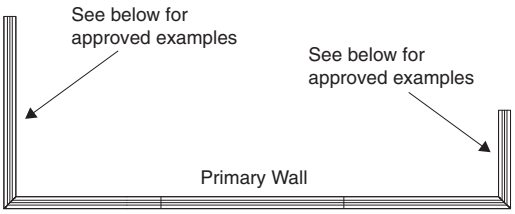
Offset wing walls with finished end. Total length of wing 1 and wing 2 must be greater than 48".



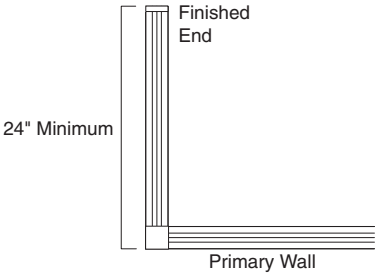
Offset wing walls with finished end. Total length of wing 1 and wing 2 must be greater than 48".

Stabilizing Conditions

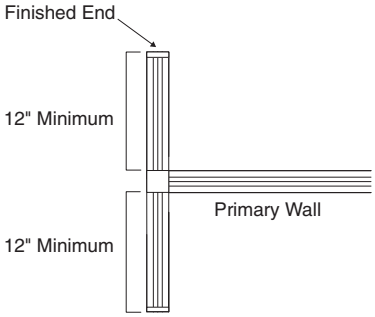
Examples



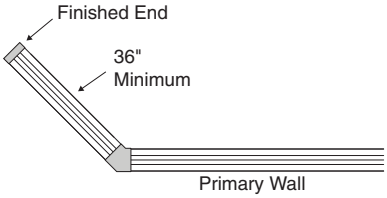
See below for approved examples



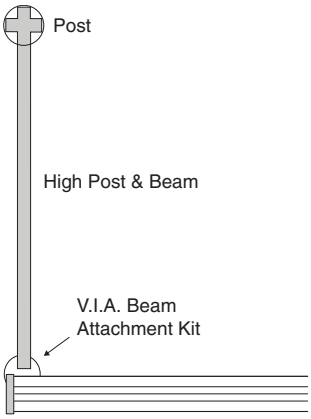
L-wing wall with finished end 24" minimum.



T-wing wall with finished ends 12" minimum.

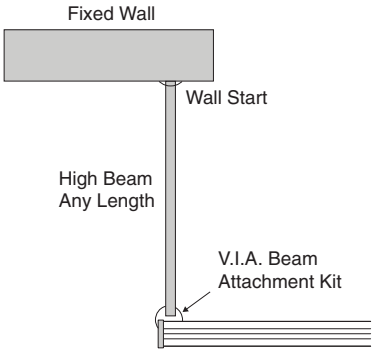


V-wing with finished end 36" minimum.



Post and Beam 36" minimum.

Tip: When stabilizing wall with Post and Beam, specify large post base anchored to floor.



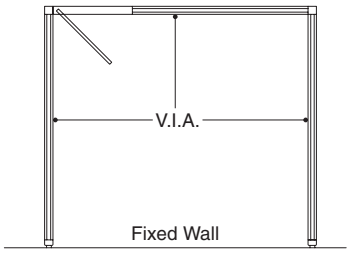
Beam with wall start.

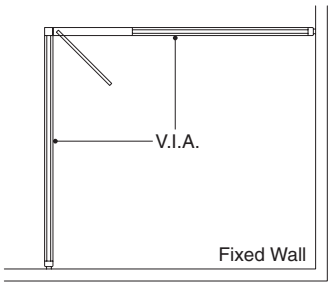
Tip: When planning with Post and Beam, the minimum wall height is 88".

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.

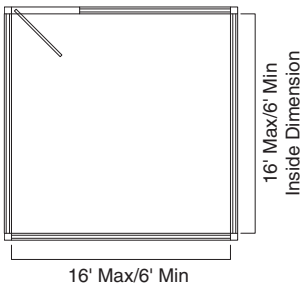
Seismic bracing may be avoided by using the following seismic planning guidelines for V.I.A. cornice height applications. Steelcase can provide a generic engineering report to confirm that these configurations will meet seismic structural performance requirements.





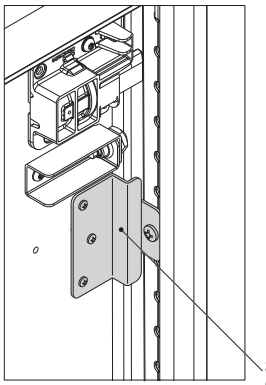
This seismic report applies to four-sided room configurations. The rooms can be planned using all V.I.A. walls, or a combination of V.I.A. walls and fixed construction walls that are adequately braced for seismic applications.

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.



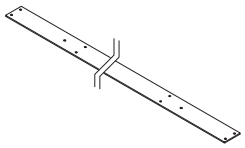
Maximum room size is 16'0" x 16'0". Neither wall can be less than 6'0". In seismic applications, wall lengths are defined by the distance between junctions or mini-ends.

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

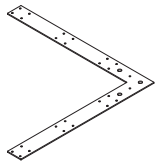


Structural skin brackets are installed on one side of wall and applied to the back face of solid skins when applied in seismic applications (four brackets per skin).

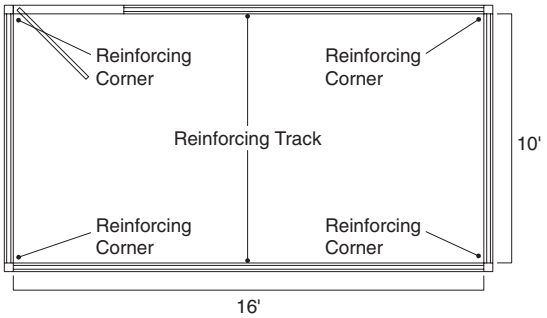
Seismic floor guides are also specified for use in seismic applications. Additional mechanical fasteners (not included with the floor guide) may be required as specified by the structural engineer.

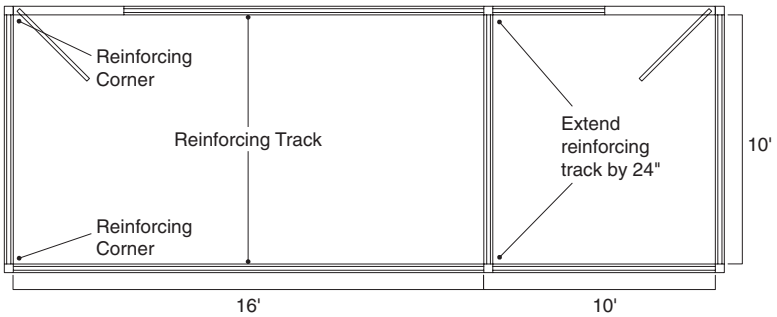


112" Long straight reinforcing track

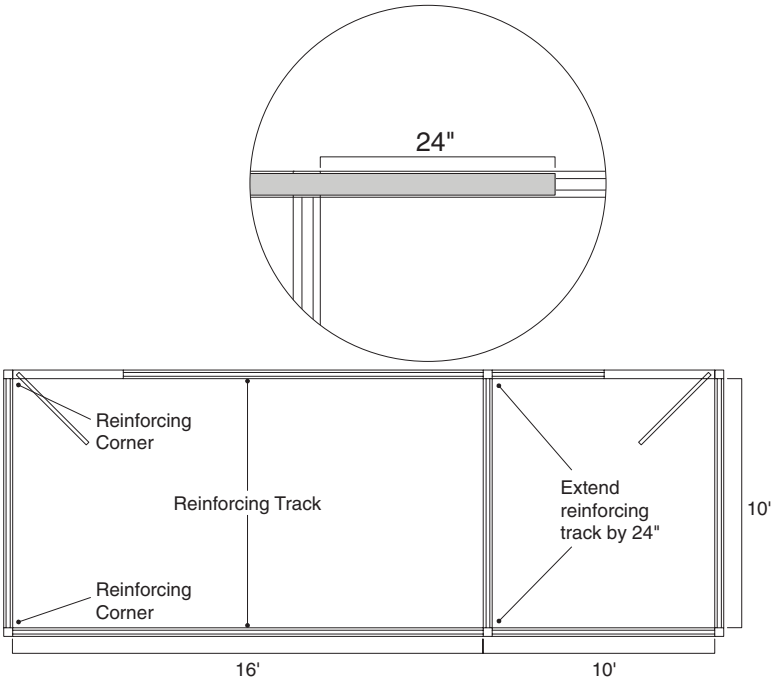


Corner reinforcing track





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.



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

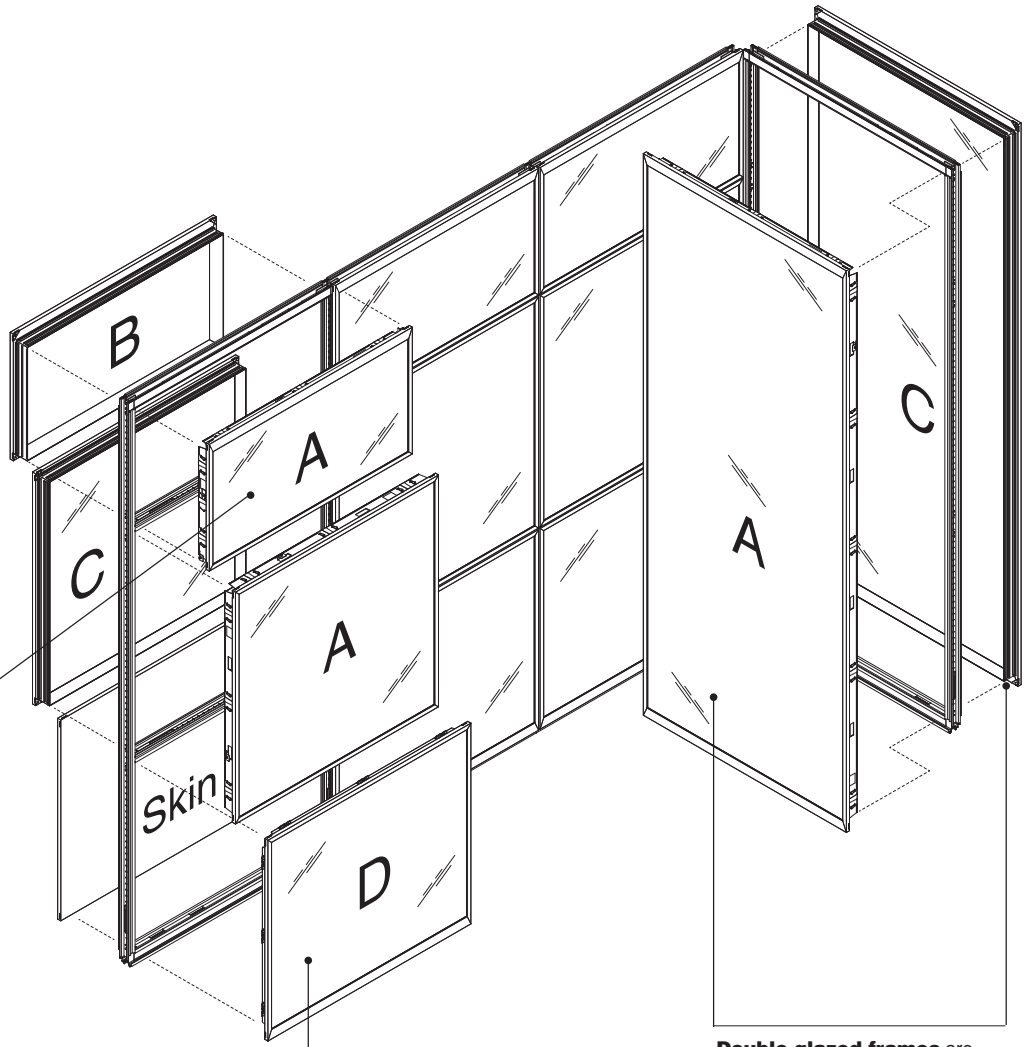
V.I.A. captured glass frames are pre-glazed and factory assembled to specified dimensions and orientation. They are mounted into structural frames along with solid skins and door units to provide the appropriate levels of privacy, interaction, and shared light.
▶Specifying, page 153

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.

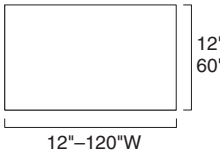


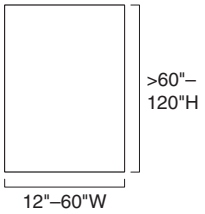
Double glazed frames are flush on both faces, and provide enhanced level of acoustic separation for superior speech privacy.

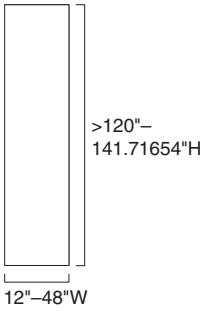
Back-painted glass frames allow the user to design with opaque painted glass as a solid skin, introducing visual accents and employing the functionality of a marker surface.

Product Details

▶See *V.I.A. Planning Dimensons,* page 109, 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:

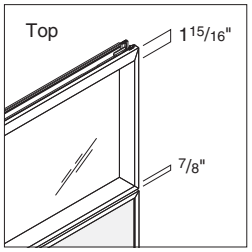
- If 12" to 60"H, then width can be 12"- 120"W.
- If greater than 60" to 120"H, then width can be 12" to 60"W.
- If greater than 120" to 141.71654"H, then width can be 12" to 48"W.

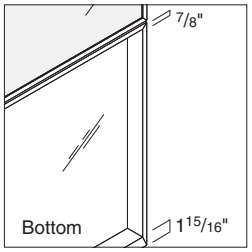
Minimum frame height in the bottom position is 15".

Minimum frame height in the top position is 12".

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

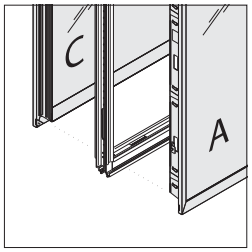
Glass frames can accommodate glass thickness from 1/4" to 3/8". Back-painted glass is available as 1/4" only.



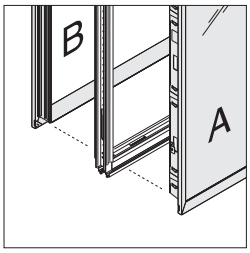


When segmented, top position frames are specifically configured to interface with the ceiling track. Bottom position frames are specifically configured to interface with the floor track. Intermediate frames can be installed in any intermediate position.

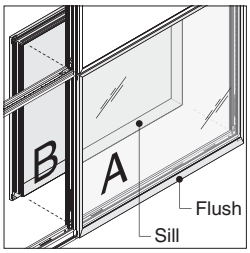
Captured glass frames are interchangeable with solid skins of the same size and orientation.

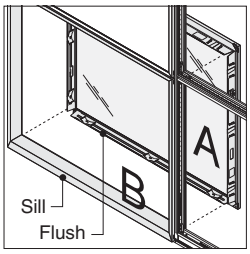


Captured glass frames consist of two sub-assemblies that engage with one another to create a finished frame.

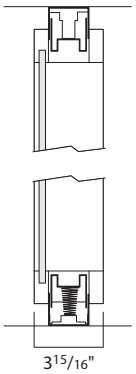


Single glazed frames are designed with a flush glazed side (side A) and a sill side (side B) to finish out the opening.

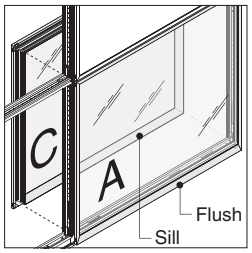


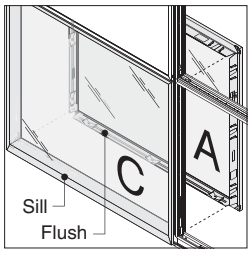


The flush side of a glass frame can be oriented to either face of the wall, without regard for other adjacent components.

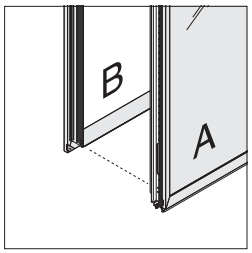


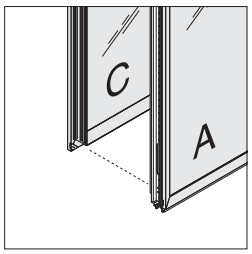
The overall wall thickness is $3^{15}/_{16}$".



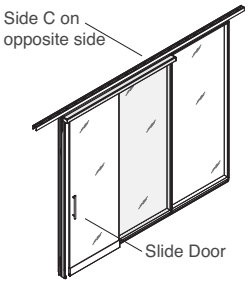


Double glazed frames are designed with two flush glazed sides. Side A is the same configuration as side A used in a single glazed frame. The other glazed side (side C) engages with side A to create a finished assembly.

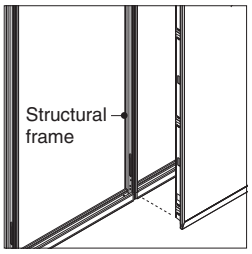




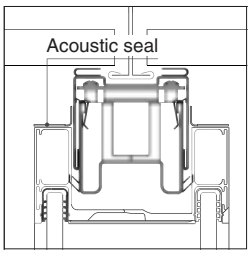
Single glazed frames can be retrofit double glazed by exchanging side B for side C, and vice-versa.

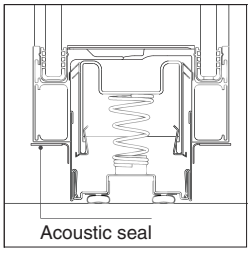


When planning with double glazed frames and slider doors, in order to simplify installation, it is recommended to position the side C frame on the opposite side of the wall from the door.



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.

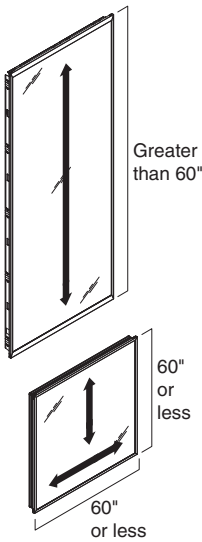
Glass frame acoustic seals are specified at the top and/or bottom of a double glazed frame, where it comes into contact with the ceiling track or base trim.

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.

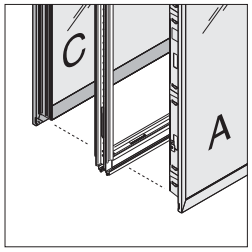
▶See *page 118* for more information about captured glass frames, acoustic planning considerations, and STC performance ratings.



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.

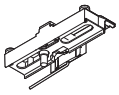
Certain etched or pattern glass types are polished on one face, and rough (etched or pattern) on the other. When defining the surface orientation of a glass frame, it is also important to consider the surface orientation of these types of glass. When planning with etched glass, the polished face of the 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.



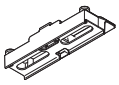
Captured glass frames can be different finishes from one side to the other (side A and C).

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

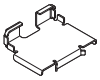
To change from single-glazed to double-glazed or vice versa, individual captured glass frames can be ordered (sides A, B, or C).



Locking bracket



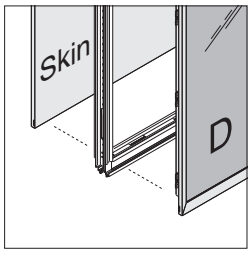
Non-Locking bracket



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 49.

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

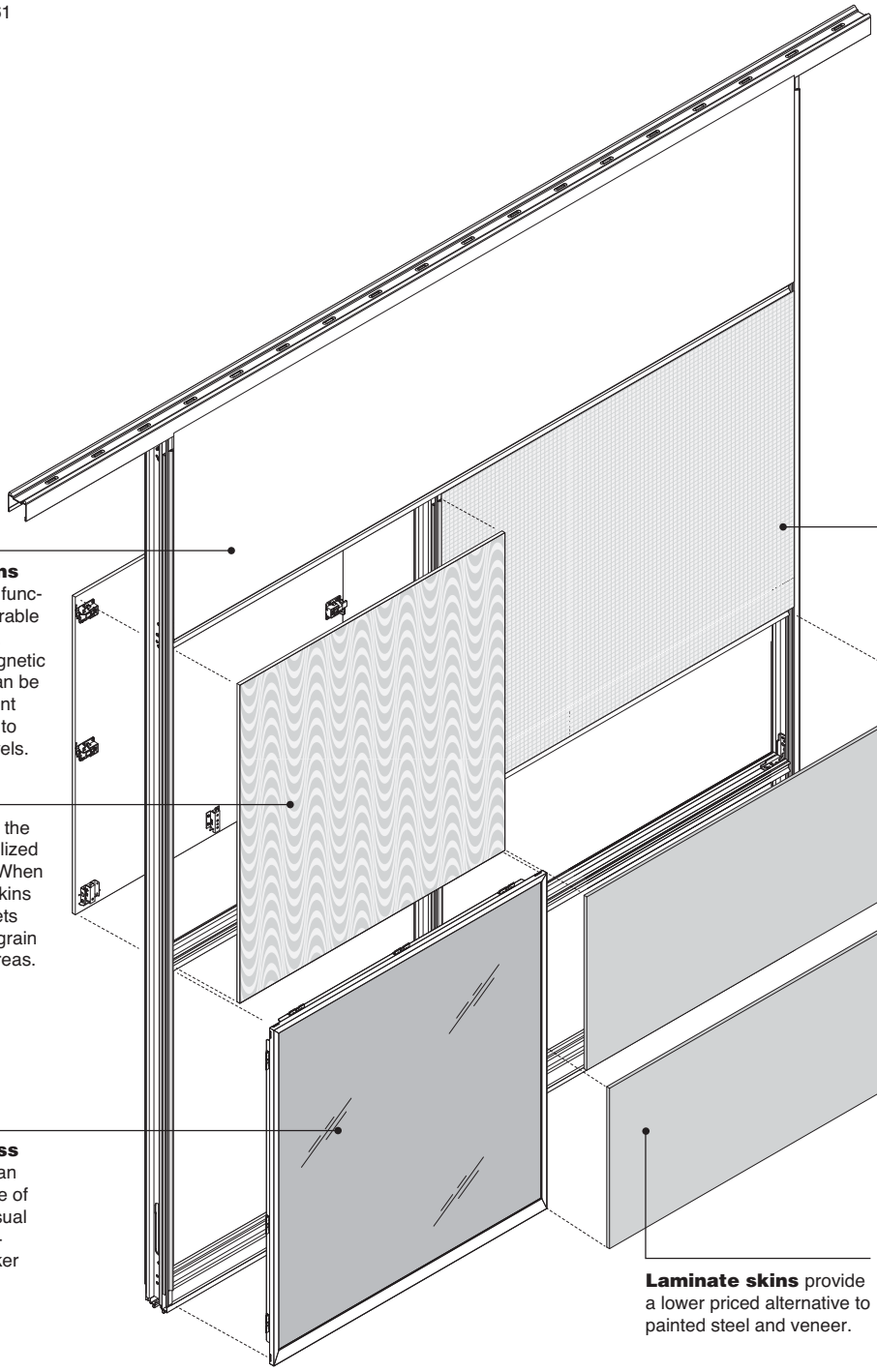
Glass Lite
- Glass
- Customer specified glass

Glass frames
- Paint
- 8043 Clear Anodized Aluminum

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

Skins

▶Specifying, page 161



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. When segmented, veneer skins can be specified in sets to ensure consistent grain patterns over large areas.

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.

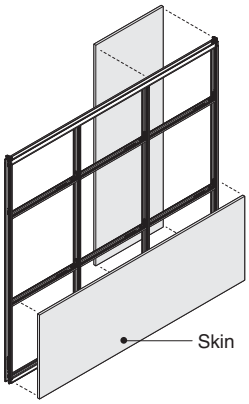
Laminate skins provide a lower priced alternative to painted steel and veneer.

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

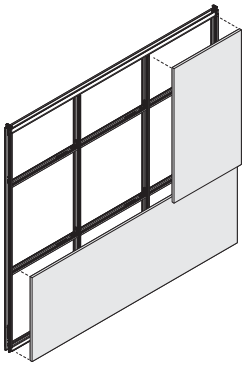
Product Details

▶See *V.I.A. Planning Dimensions,* page 109, 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.



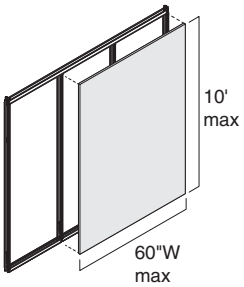
Skins can span structural framing elements, allowing for different skin geometry on opposite sides of a wall.

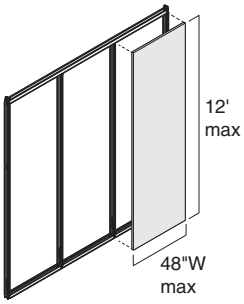


Skins can be oriented horizontally or vertically on the wall.

Solid skins include brackets for mounting to the structural frame.

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





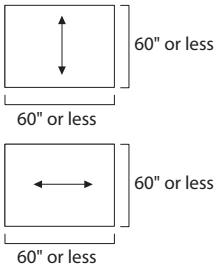
Steel portrait oriented skins can be specified in ceiling heights from 6'–8" to 12'–0". Maximum skin planning width is 60"W up to 10'–0" ceiling height and 48"W up to 12'–0" ceiling height.

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

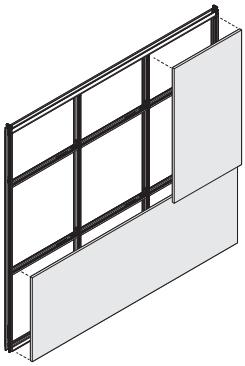
When orienting skins horizontally, the minimum dimension is 6"H x 15"W. The maximum dimension is 60"H x 120"W.

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.



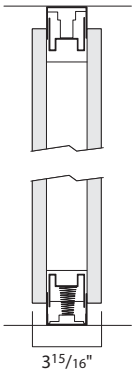
When the skin size is 60" or less in width and height, the fabric warp direction can be specified to run vertically or horizontally.



Skins can span across posts and intermediate horizontals.

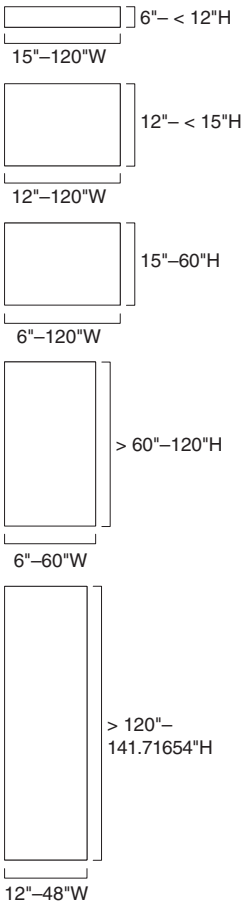
Height can be specified from 6"–141.71654" to accommodate different ceiling heights. See how the height parameters vary by skin type below.

▶See *V.I.A. Planning Dimensions,* Page 109.



The overall wall thickness is $3\frac{15}{16}$".

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".

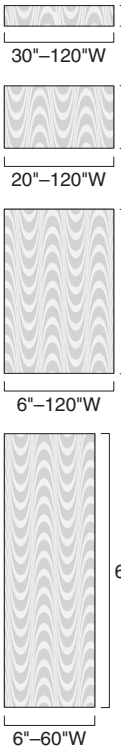
The minimum height of a skin in the top position of a wall is 12".

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.

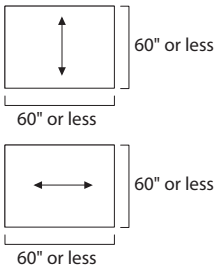
Minimum skin size is 6"W x 30"H or 30"W x 6"H.

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).

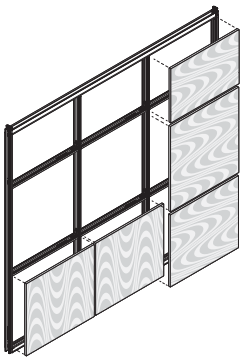
When the width or height of a veneer or wood grain plastic laminate skin exceeds 60", the grain pattern will run parallel to the long dimension.



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.

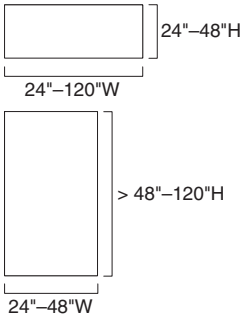
▶See *Pleasing Match—Veneer,* page 270



When segmented, veneer or wood grain laminate skins (HPL only) can be specified in sets to ensure consistent grain patterns over large areas. Horizontal veneer skin sets are specified left to right and vertical veneer skin sets are specified top to bottom.

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.

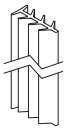
Ceramic skins can be mounted in top, bottom, and intermediate positions. There are no restrictions with the opposite side of the wall when using a ceramic skin.

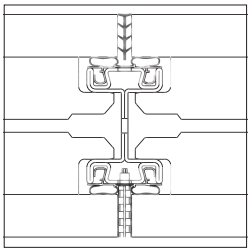
V.I.A. ceramic skins incorporate the e^3 environmental CeramicSteel surface.

Ceramic skins do not accommodate electrical cutouts.

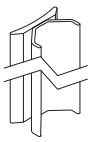
Healthcare Settings

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

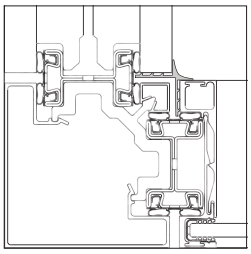




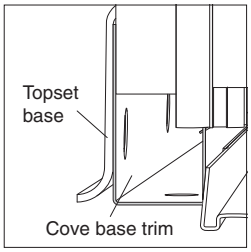
Flush skin seal



Flush skin seals are available in a translucent finish.



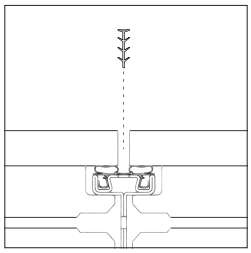
90° inside corner flush skin seal



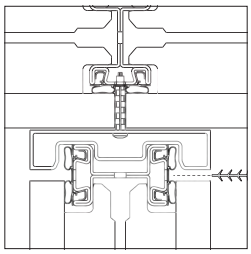
Cove base trim

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.

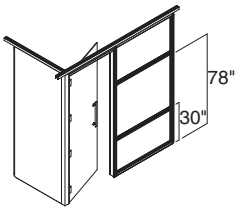


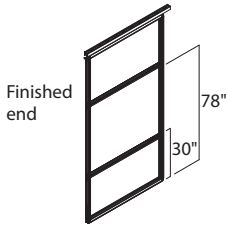
Flush skin seals are positioned at inside corner reveals with 90˚, 120˚, and 135˚ junctions. They cannot be used at T adapters or variable angle junctions.

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.

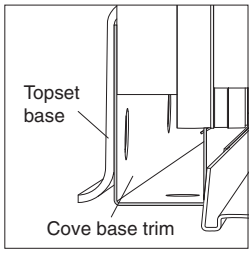
When used with hang-on components, flush skin seals will be field notched to allow clearance for mounting brackets.





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.*

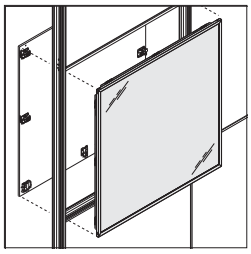
Tip: Topset base is glued to cove base trim. It is not glued to skin.

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.

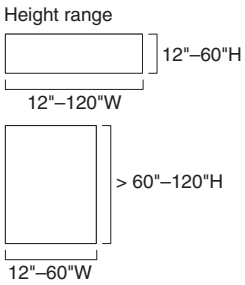
When vertical flush skin seals are present on 90° outer corners, add junction retention clips to prevent outer junction covers from coming loose.

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.

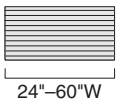
Back-painted glass is referred to as side D in all documentation.

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.

Slatwall Skins



Height range is 6", 12", 18", and 24"H; not parametric in height.

Width range is 24" to 60"W, available parametrically.

Minimum skin size is 24"W x 6"H. Maximum skin size is 60"W x 24"H.

Slatwall skins can mount only in intermediate positions.
- Unable to attach to top or bottom structural horizontals.
- Unable to have any intermediate horizontals or posts behind slatwall.
- Unable to have intermediate horizontals adjacent to vertical edges of slatwall skin.

Tip: Slatwall skins can stack on top of one another in intermediate positions.

Slatwall skins cannot mount directly above or below a monitor shroud.

Single slatwall hardware kits allow for slatwall on one side of wall and another skin on the other.

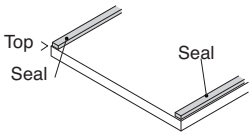
Double slatwall hardware kits must be used for slatwall on both sides of the wall.

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 116

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.

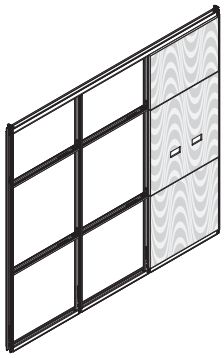
Wiring & Cabling

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.



When ordering veneer skins in sets, power can be positioned in only one skin per set, with a maximum of two cut-outs per skin.

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

Slatwall skins
- Paint

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

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.

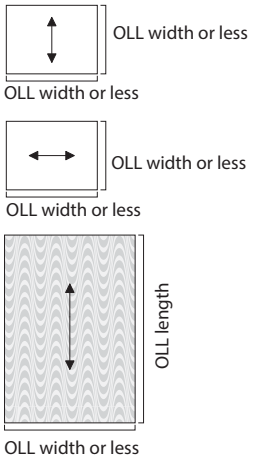
For additional information, refer to the *Steelcase Surface Materials Reference Manual.*

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 109

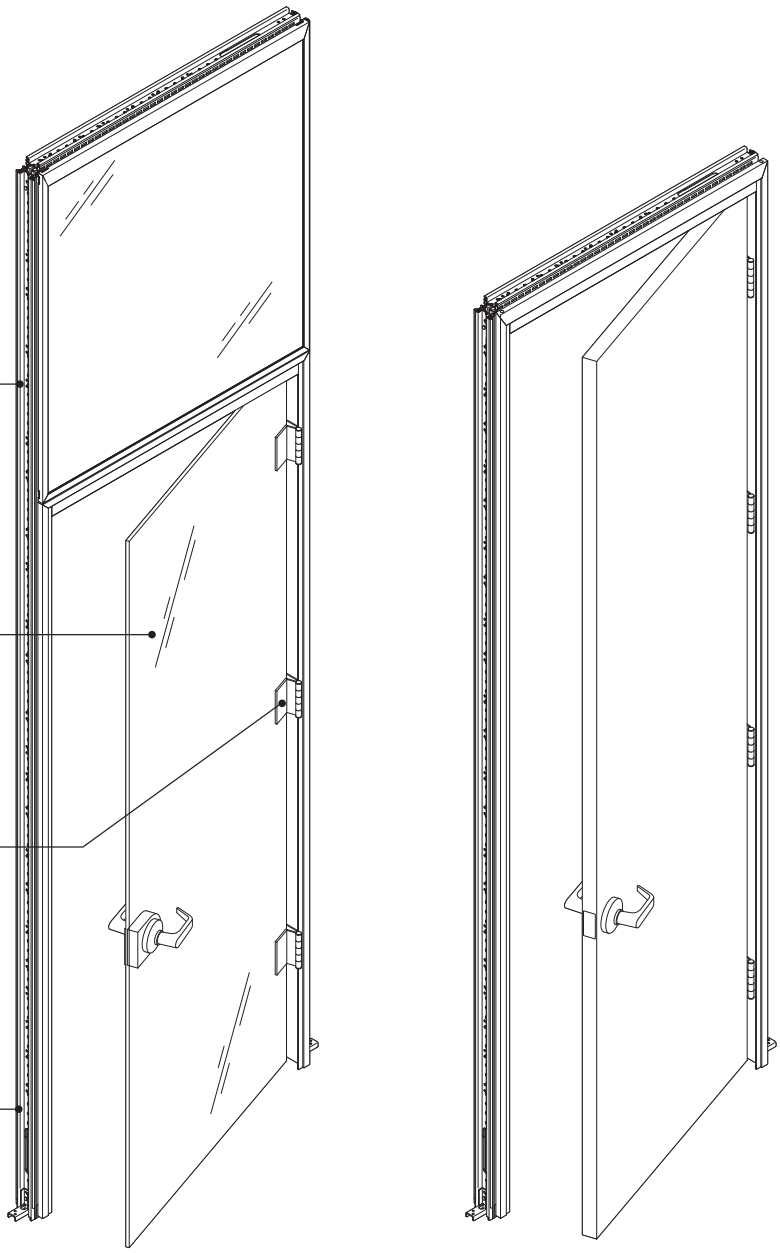
Electrical Components
▶See page 84

Hang-On Components
▶See page 100

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 175



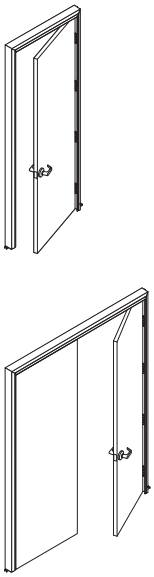
Doors and frames are available for either full height or transom height applications.

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.

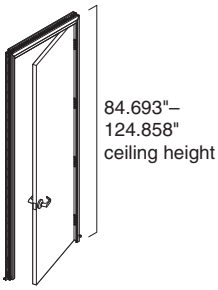
Structural framing elements are ordered separately.

Product Details

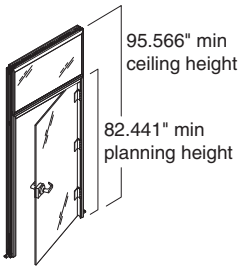


Single and pair versions of doors and door frames are available.

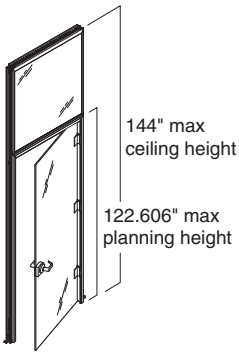
▶See *V.I.A. Planning Dimensions,* page 109, for important information regarding dimensional references for all V.I.A. components.



Full height



Transom height minimum



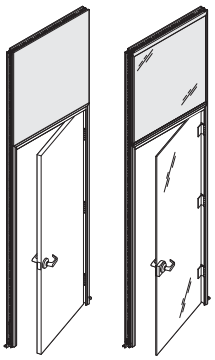
Transom height maximum

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.

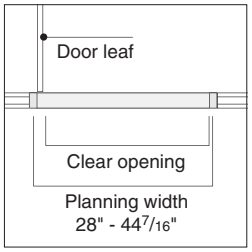
Tip: Use transom height door units when ceiling height exceeds 124".

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.

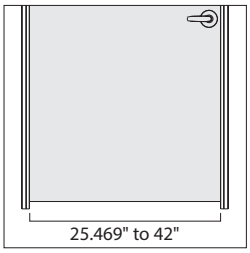
Door swing orientation can be altered during the installation process.
Tip: Some door frame components are handed during the factory assembly process to simplify packaging and handling. These can be changed during the installation process. Door frame handing is specified when ordered to align with initial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



Single door frame width is parametric, and can vary from 28" to 44 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 5/8".

Polished edge doors are ½" thick.

Solid doors are 1¾" thick.

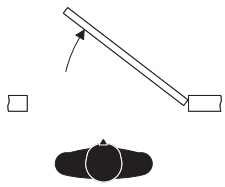


The single door leaf width is also parametric, and can vary from 25.469" to 42".

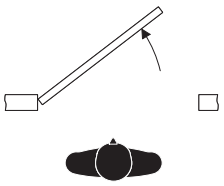
Single solid door width = planning width minus 2.445".

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.

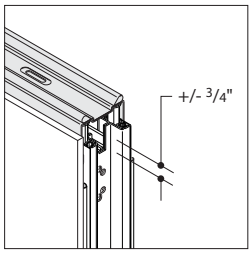


Right-hand

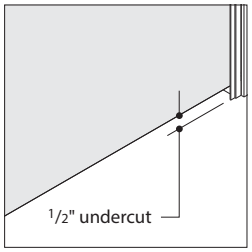


Left-hand

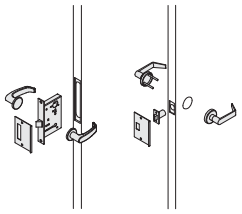
To determine door swing orientation: facing the door, so that the door swings away from you, the side that the hinges are on defines the handing of the door.



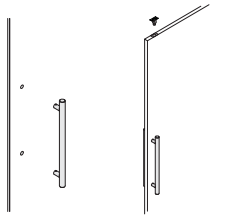
Ceiling track allows 1½" of vertical adjustment (plus/minus ¾"), to accommodate ceiling variation.



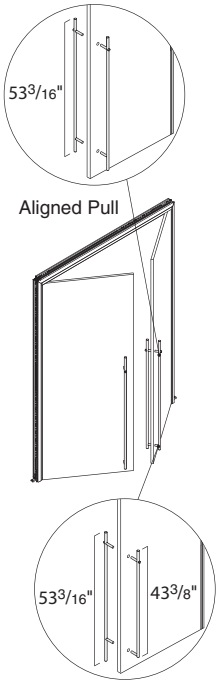
The door frame assembly is designed to allow for 1½" of adjustment at the floor (plus/minus ¾"), while maintaining a consistent ½" undercut between the bottom of the door and the floor. This adjustment comes from the slip fit assembly at the top of the door frame.



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)

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)

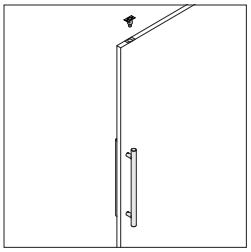
V.I.A. cylindrical locksets are compatible with six or seven pin cores (SFIC) as manufactured for Sargent, Best, or Schlage.

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.

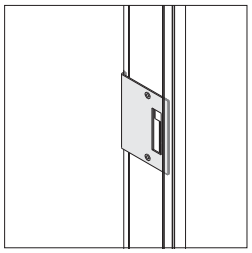
Locking ladder pulls can accommodate SFIC cores (6 pin) as manufactured by Sargent, Schlage, Best, Medeco, Arrow, Yale, and Falcon.



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.*

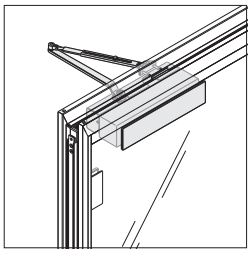
Tip: Doors that are specified with hardware prep for mortise locks will not have faces drilled for levers, cylinders, etc. All necessary holes in the face of the door must be drilled by the installer.

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

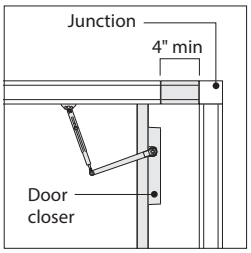
Tip: Strike plates for latch sets and roller latches are part of the door frame assembly.

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.

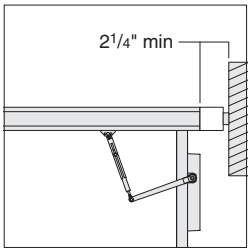
When an electric hinge is required at a door opening, one less hinge will be provided with the door frame.



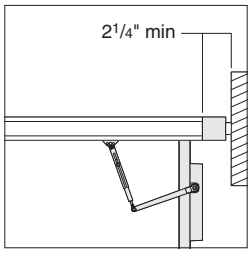
Door closers are available for use on solid and glass doors when the door must close automatically for safety and security reasons.



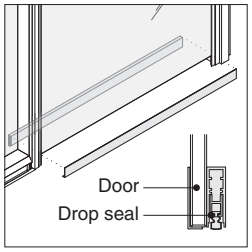
When mounting a closer on a door, and positioning the door at an inside corner, the door frame must be spaced at least 4" away from the adjacent surface.



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.



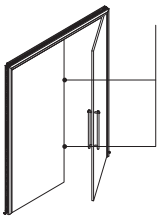
To enhance acoustical performance, an optional drop seal can be specified in the bottom of the door. The drop seal automatically deploys to block the gap under the door when the door is closed and retracts when the door is open. *Tip: Drop seals in a pair of doors application utilize a different style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

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

Veneer doors use a pleasing match veneer layup technique, similar to veneer skins.
▶See *Pleasing Match—Veneer,* page 270

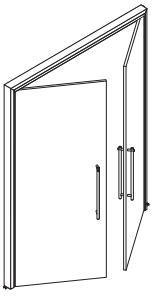
Reversible pairs of doors can be specified for spaces that require wider door openings for egress, or to provide greater access for storage.

Two Active



Active/Inactive

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

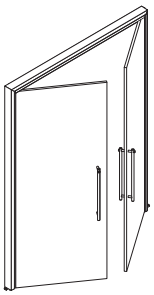


Two Active

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.

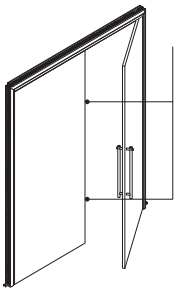
Door and door frame appearance for pairs of doors match the single reversible door assemblies. Inactive doors and frames for inactive doors are not reversible.

Both doors in a pair must be the same material.



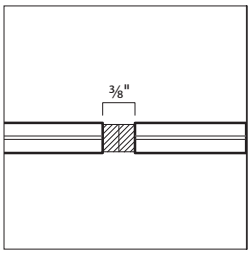
Two Active

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.

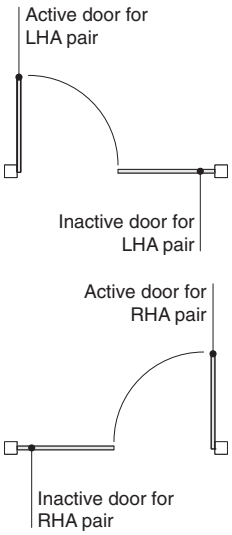


Active/Inactive

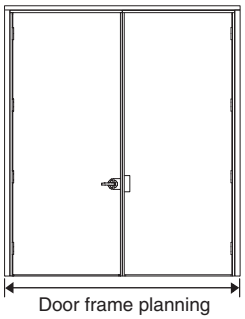
When configured as one active and one inactive: Only solid doors are available only as active/inactive. The active door can be a different width than the inactive door. The inactive door leaf is equipped with flush bolts to fix the door in place. The active door can be equipped with either a mortise 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.



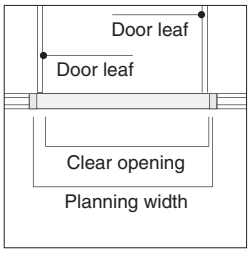
Pairs of polished glass doors include seals.



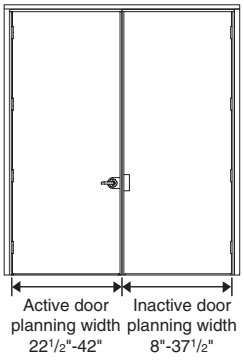
The handing of an active/inactive pair of doors is determined by the door swing orientation of the active door.
Tip: Active/active pairs are not handed.



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.

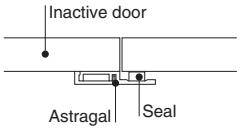


Clear opening dimension equals planning width minus 9".



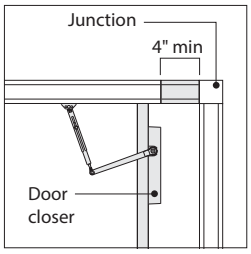
The door leaf widths are also parametric, and can vary in width depending on active versus inactive configurations.

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".

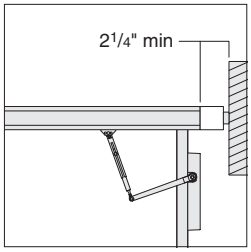


Active/inactive pairs of doors include an astragal with seal. The astragal is finished to match the door frame.

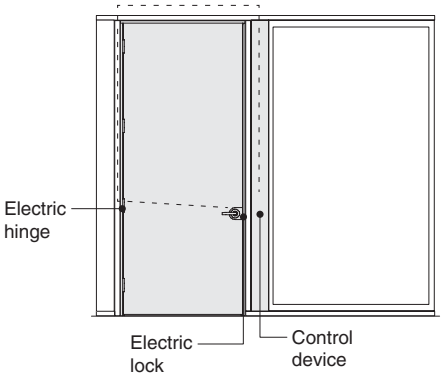
▶**Reversible Swing Doors,** continued

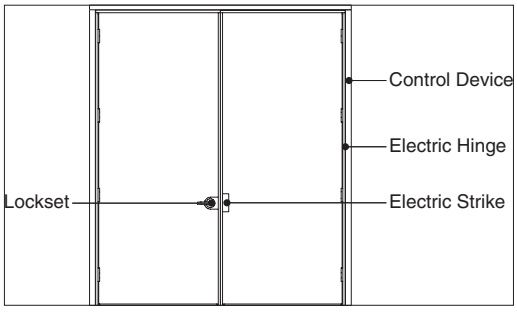


When mounting a closer on a door, and positioning the door at an inside corner, the door frame must be spaced at least 4" away from the adjacent surface.



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.



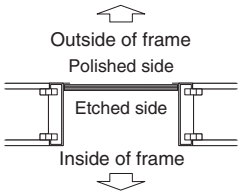


When door openings require an electronic security feature, solid doors can be equipped with an electric hinge. The electric hinge includes wire conductors that link an electric lock to the control device (card reader or keypad). When specified, the solid door is constructed with an internal wireway to 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.

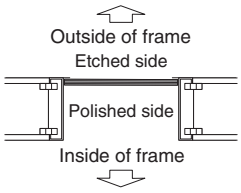
Utility panels can be positioned adjacent to door frames to act as a mounting point for the control device. Electric hinges cannot be used with polished glass doors.

Door stops can be ordered for use with doors. Magnetic wall stop or dome-style floor stop are available.



Door in closed position

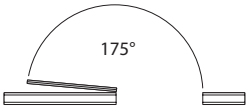
Polished to Outside



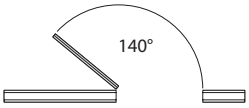
Door in closed position

Polished to Inside

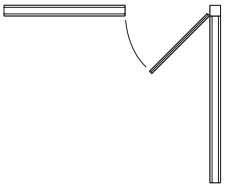
When specifying doors with etched glass, the etched surface can be oriented to either side of the wall, regardless of handing or on which side of the wall the door is mounted.



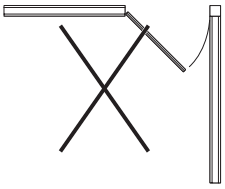
A reversible door can swing open to a maximum of 175°.



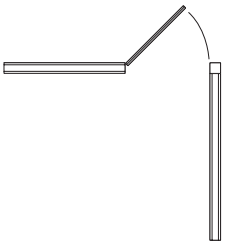
When equipped with a closer, a reversible door can swing open to a maximum of 140°.



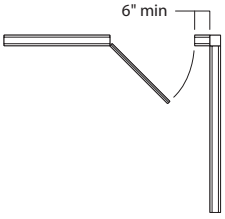
Hinge jamb at
two-way 90° junction
Acceptable



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



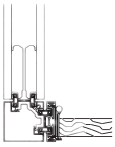
Strike jamb at two-way
90° junction
Swing to outside of junction
Acceptable

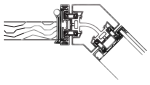


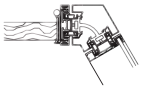
Strike jamb at two-way
90° junction
Minimum 6" from junction
Acceptable

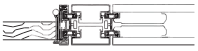
When positioning a door frame with the strike jamb at a two-way 90° junction, the door placement and relative door swing must follow the above guidelines.

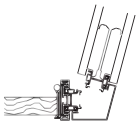
Connections

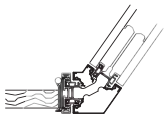

Two-Way 90°

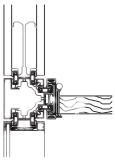

Two-Way 135°

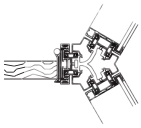

Two-Way 120°

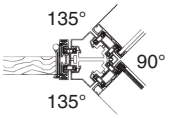

Two-Way 180°


Two-Way variable 91° - 94°

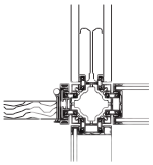

Two-Way variable 95° and greater

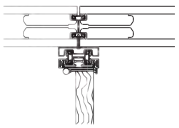

Three-Way 90°

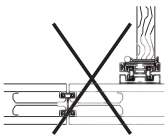

Three-Way 120°

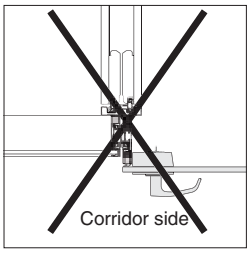


Three-Way 135°


Four-Way


Adapter T on module


Adapter T off module



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

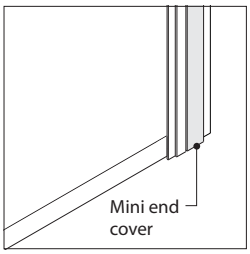
Junctions join a door frame to a V.I.A. wall in an L-, T-, X-, V-, or Y-configuration.

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.

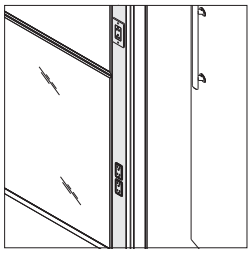
▶See page 212



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.

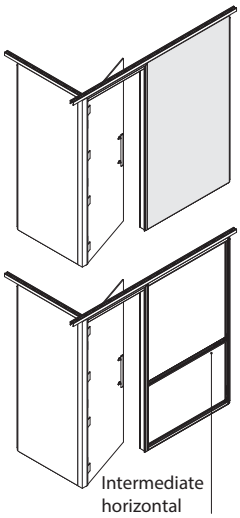
Tip: When door frames are placed adjacent to mini ends, additional mini end connection hardware is specified.

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, RoomWizard II, and other technology devices.

▶See page 87



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
- 8031 Satin Stainless
- 9201 Polished Chrome

Door pull (Push/pull handle)
- 8031 Satin Stainless

Door closer
- 4799 Platinum

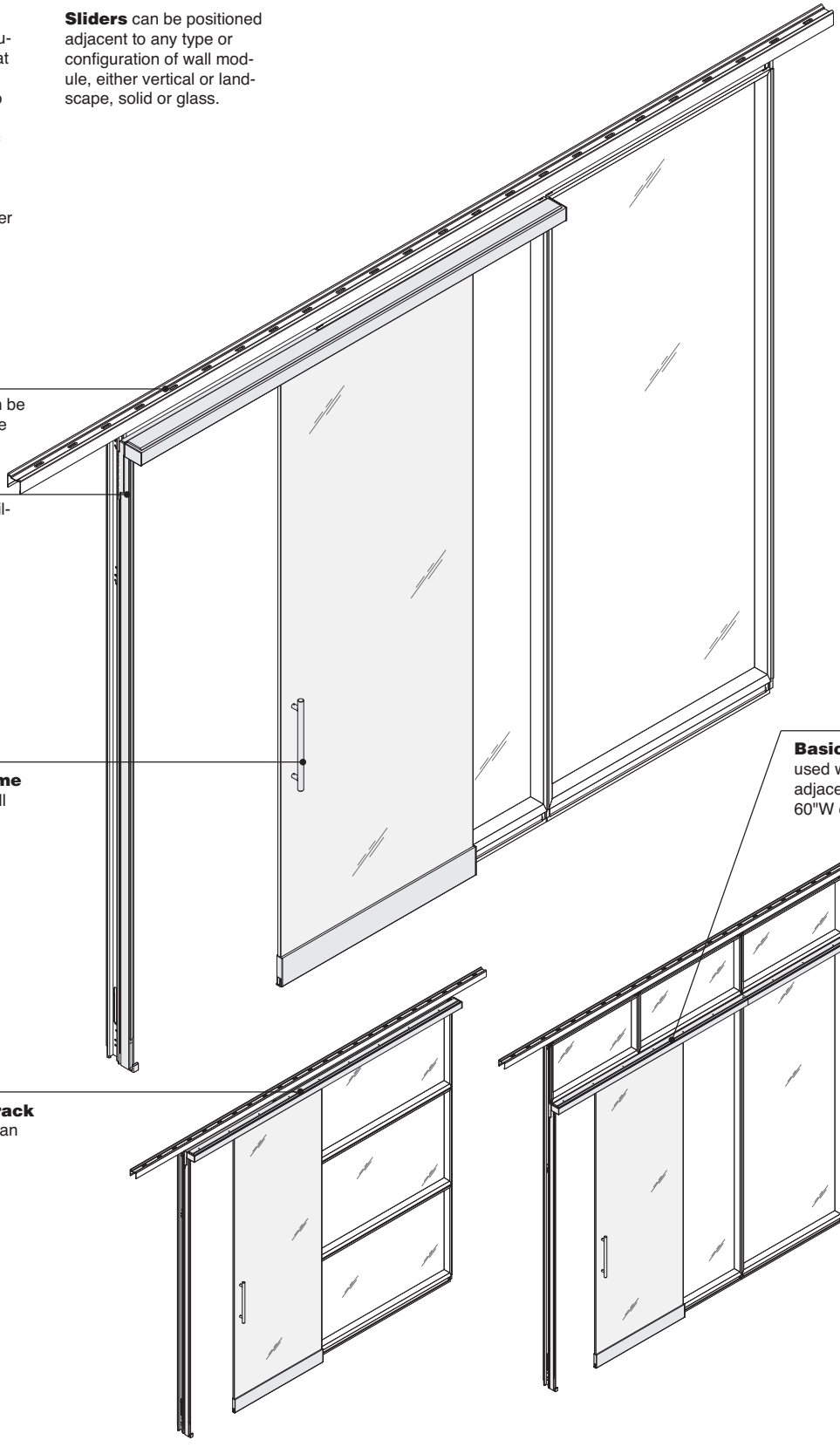
Roller latch
- 8031 Satin Stainless

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 187

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.

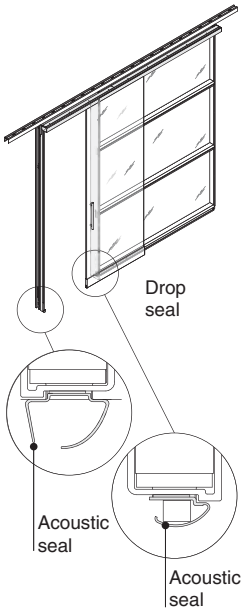
Slider door and frame can accommodate a pull or lockset.

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 109, 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.

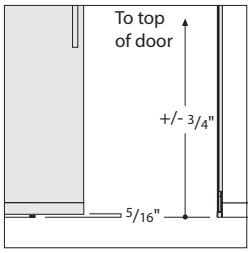
Frames are available in full height and transom height configurations, and are parametric.

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

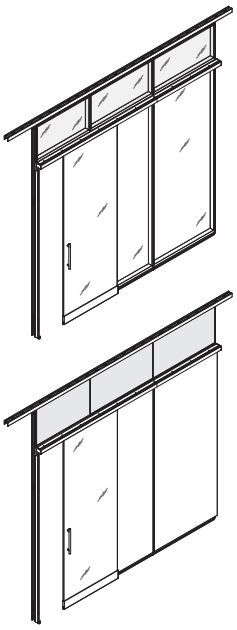
Tip: Must use transom height door units when ceiling height exceeds 122".

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.

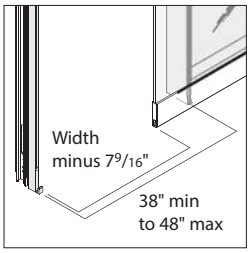


The door frame assembly is designed to allow for 1½" of adjustment at the floor (plus/minus ¾"), while maintaining a consistent 5/16" undercut between the bottom of the door and the floor.



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

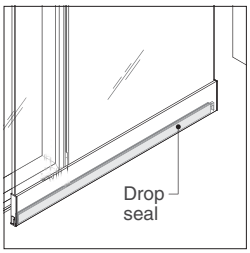
Doors can be oriented to either face of the wall to position the door on either the interior or exterior of a room.



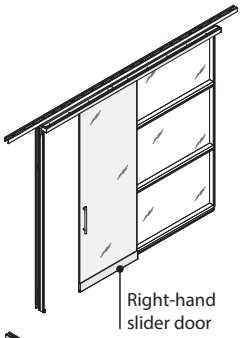
Single door frame width is parametric, and can vary from 38" to 48" planning width. Steelcase recommends using a 40" wide door frame to maximize accessibility, maintain visual continuity, and simplify the planning process during reconfigurations. Clear opening width equals the planning width minus 7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

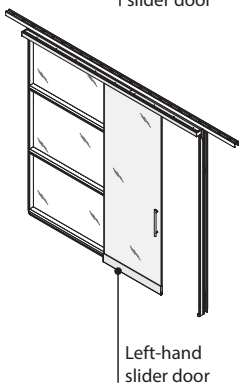
The maximum door frame planning width will vary according to door height.

▶See page 65



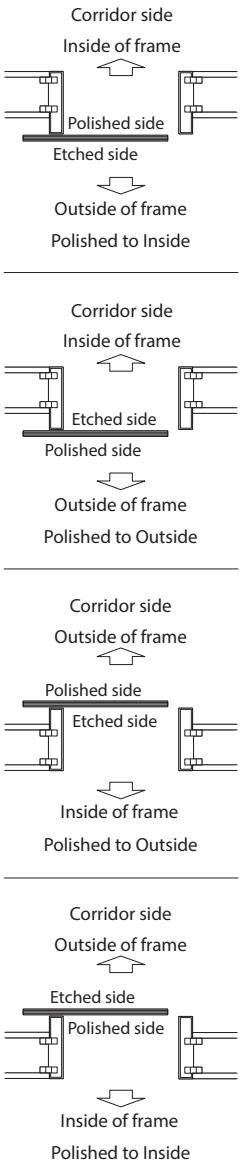
To enhance acoustical performance, an optional drop seal can be specified in the bottom of the door. The drop seal automatically deploys to block the gap under the door when the door is closed, and retracts when the door is open.





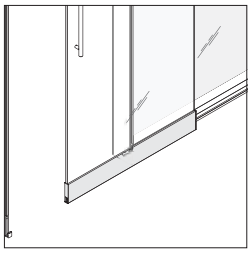
Door handing is determined by the direction in which the door travels when opening, as viewed from the face of the wall on which the door is mounted.

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.



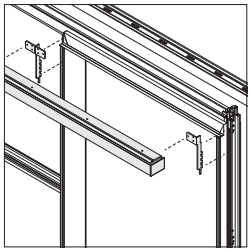
When specifying doors with etched glass, the etched surface can be oriented to either side of the wall, regardless of handing or on which side of the wall the door is mounted.

▶**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.

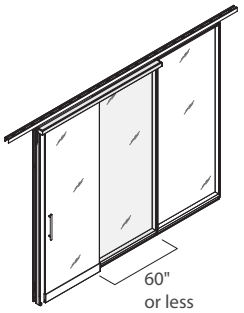
Slider track is parametric, and spans the door frame and the adjacent wall module(s).



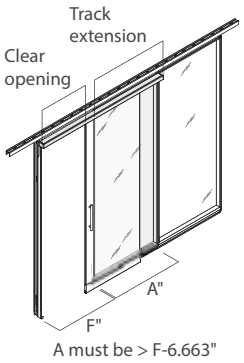
Slider track is mounted to structural posts using support brackets, which are specified in either a left, right, or T-configuration. The track is pre-drilled to fasten to the support brackets in the appropriate positions.

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

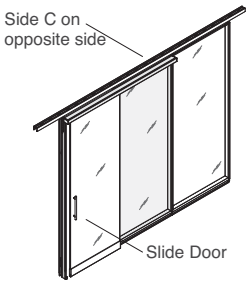
Slider track brackets are painted, and can be specified to match adjacent door frames, glass frames, and skins.



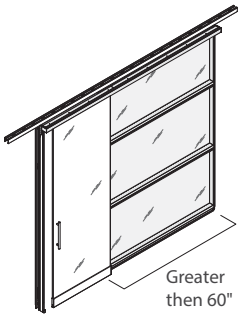
The basic slider track is used with vertically oriented wall modules, where planning widths do not exceed 60".



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.

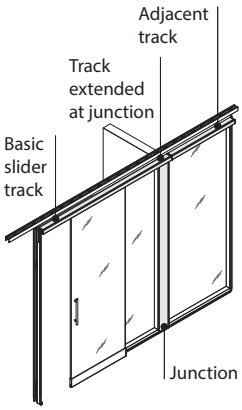


When planning with double glazed frames and slider doors, in order to simplify installation, it is recommended to position the side C frame on the opposite side of the wall from the door.



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

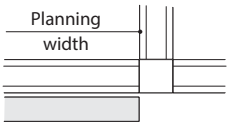
▶See *V.I.A. Planning Dimensions*, page 109



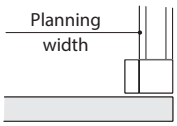
If visual continuity is desired along room exteriors, basic slider track width can be extended to span junctions, adapters, and mini ends.

Tip: When spanning a mini end, the track length allows for an additional 8", and is cut to the exact length by the installer.

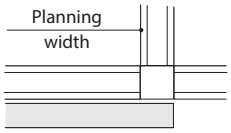
The posts at both ends of the slider track must extend to the ceiling track.



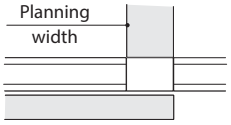
Actual



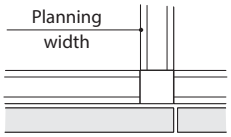
L Junction



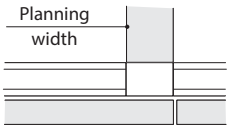
At Junction



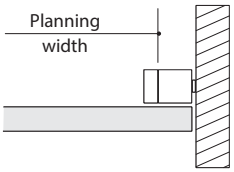
At Bypass



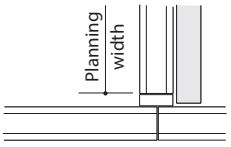
Support Junction
Two sections of track supported at one junction



Support Bypass
Two sections of track supported at one bypass

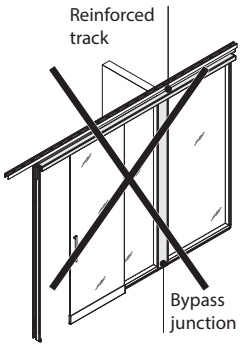


Cutable at Mini end

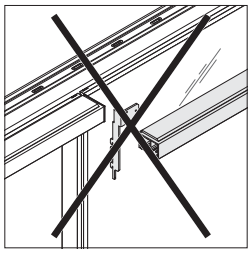


At Adapter

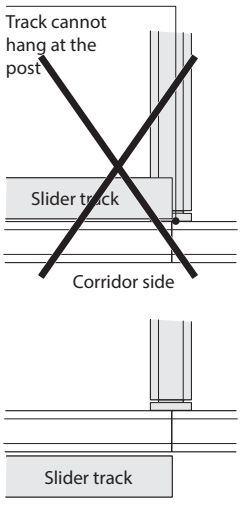
Slider track ends are cut to the correct length as dictated by the plan, with the appropriate hole position for track brackets.



Reinforced track cannot extend over junctions and mini ends.

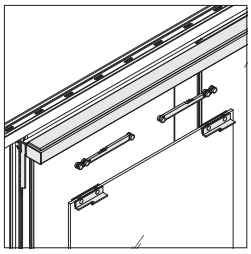


Reinforced track cannot butt to other sections of track.

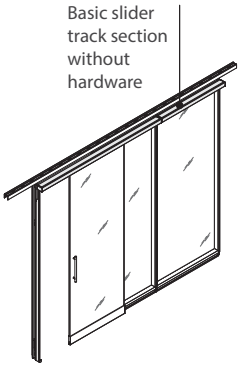


When planning with T-adapters, slider doors must be oriented to the corridor side of the wall.

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



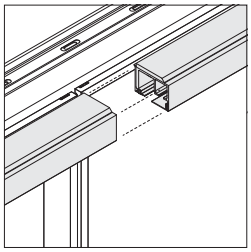
Basic slider track can be ordered with all required hardware, including carriers and soft-close braking mechanisms.



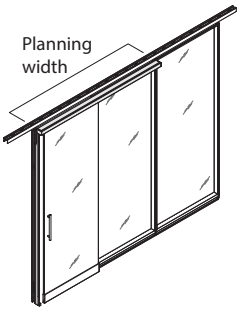
Sections of basic slider track can be specified without hardware and installed adjacent to other sections of track for visual continuity.

Adjacent sections of slider track must meet at a post.

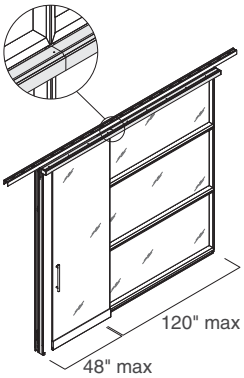
When the end of a basic slider track is not directly adjacent to another section of the track, the end is notched to receive an end cap.



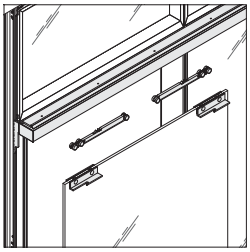
When the end of a basic slider track butts to another section of the track, the end is not notched.



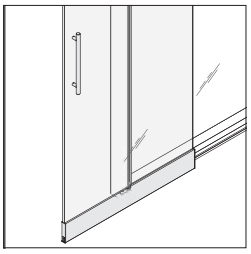
The slider track planning width is door frame width plus adjacent wall module(s).



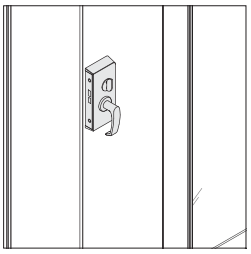
The reinforced slider track will be made up of two sections of track that will span a maximum door frame width of 48", and a maximum adjacent module of 120".



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.



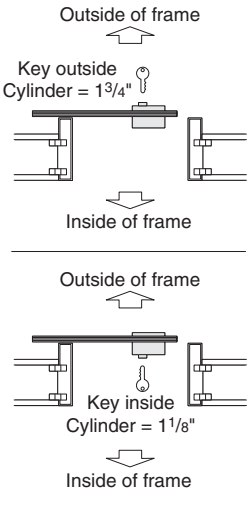
Lever locksets are available as an option on single doors, and are equipped with an ADA compliant single action lock feature, allowing for the door to be unlocked and opened in a single motion.

Locksets can be provided in one of two configurations:

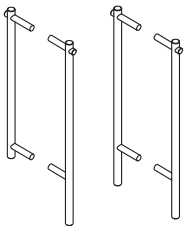
- Random key with standard cylinder
- No cylinder (to allow customer to provide cylinders to specific keying requirements)

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.

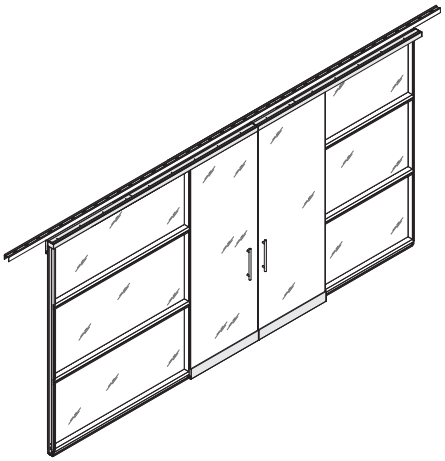


When ordering cylinders from other suppliers for use with the V.I.A. slider lever locksets, cylinders must be specified with a Schlage L cam configuration. When keyway and cylinder are oriented to the outside of the door frame, specify a 1 3/4" cylinder with a 7/16" trim ring. When keyway and cylinder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

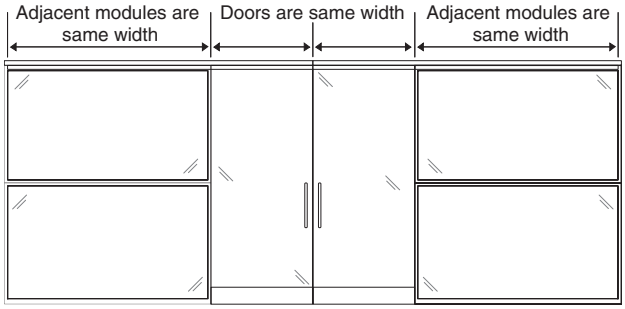


Locking ladder pulls are equipped with a random keyed, small format interchangeable core. For customers with specific keying requirements, the core can be removed and replaced with customer's locally secured cores.

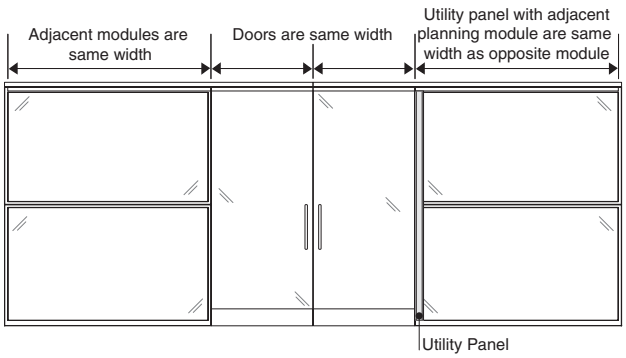
Locking ladder pulls can accommodate SFIC cores (6 pin) as manufactured by Sargent, Schlage, Best, Medeco, Arrow, Yale, and Falcon.



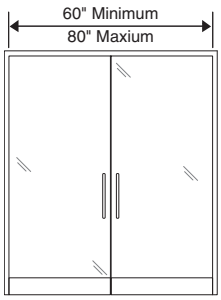
Biparting pairs of slider doors can be specified for spaces that require wider door openings for egress. Pairs of doors are available in full height and transom height configurations.



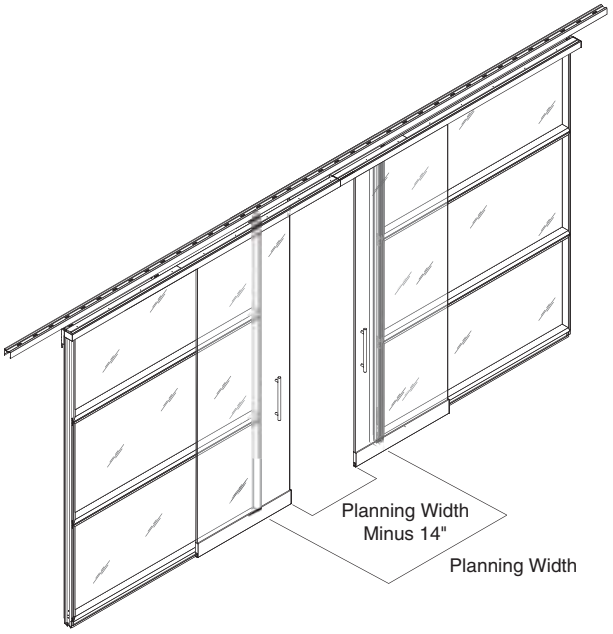
Biparting slider doors are symmetrical. Both doors are the same size, and both adjacent modules are the same size.



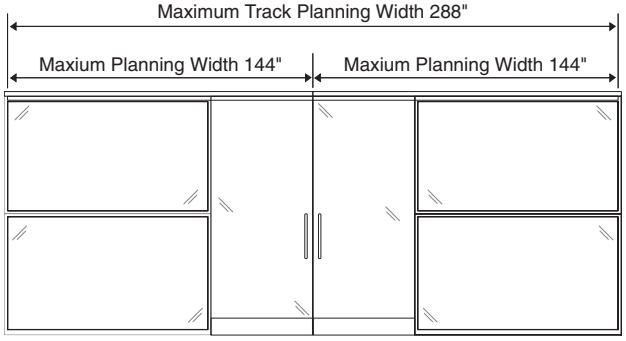
A utility panel can be positioned adjacent to a door frame for pair of doors. The combined width of the utility panel and its adjacent module must be the same as the opposite planning module.



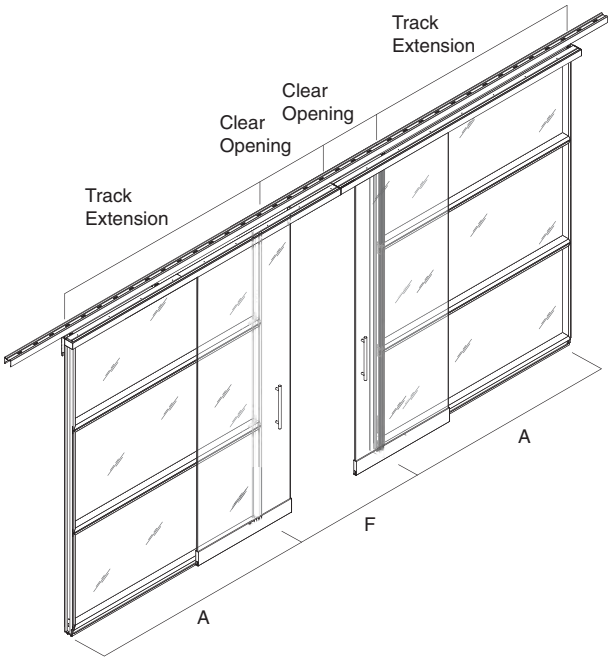
Door frame width is parametric, and can vary from 60" to 80" planning width. Planning width is measured as centerline of post to centerline of post.



The clear opening dimension is planning width minus 14".

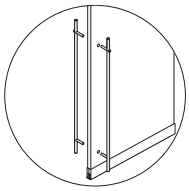


The maximum track length is 288", which is symmetrical to the center of the door frame. Both modules on either side of the door frame must be the same width.

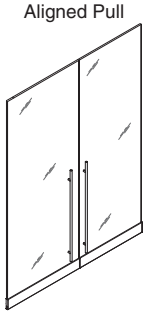


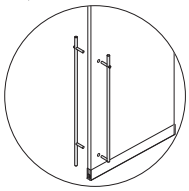
The modules adjacent to the door frame [A] on which the track is mounted must be a minimum width as calculated below:
Minimum [A] Dimension = Door frame planning width ([F] x ½) — 6.5.

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



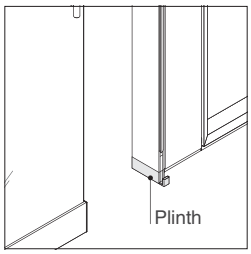


Offset Pull

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

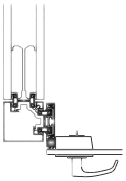
Pairs of slider doors cannot be equipped with drop seals.

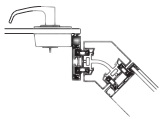
Pairs of slider doors are non-handed.

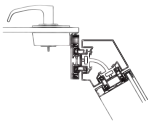


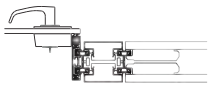
Plinths (ordered as a service part) can be used at the bottom of the door jamb to adapt to potential floor height changes when repositioning door frames during wall reconfigurations.

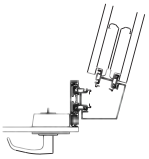
Connections

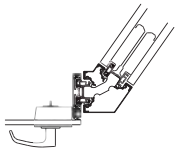

Two-Way 90°

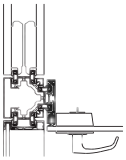

Two-Way 135°

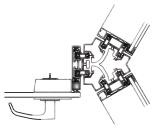

Two-Way 120°

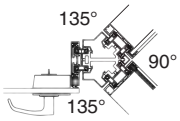

Two-Way 180°


Two-Way variable 91° - 94°

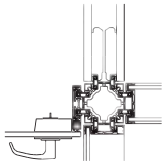

Two-Way variable 95° and greater

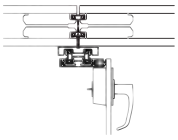

Three-Way 90°

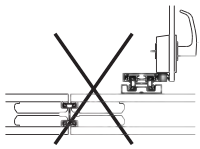

Three-Way 120°



Three-Way 135°


Four-Way


Adapter T on module

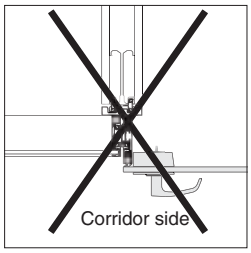

Adapter T off module

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

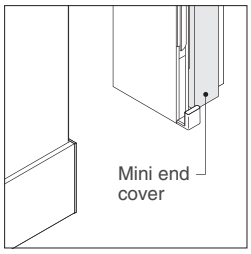
Adapters (on module) connect a door frame to a V.I.A. wall in a T- or X- configuration.
▶See adapters, page 76

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

Mini ends connect a door frame to perpendicular building wall.
▶See page 80



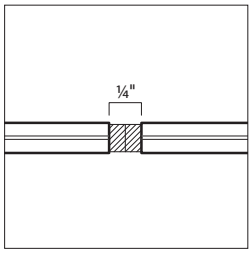
Door frames cannot be oriented at a T adapter as shown.



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, RoomWizard II, and other technology devices.
▶See page 87

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
- Satin stainless steel

Slider track bracket
- Paint

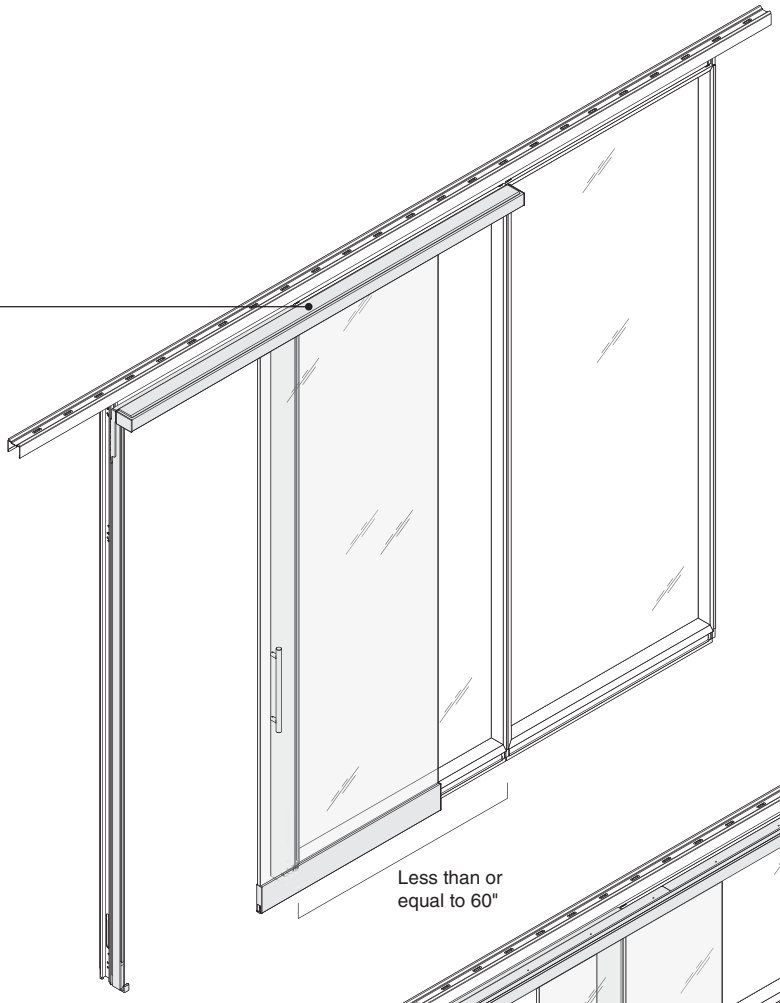
Maximum Door Planning Widths Based on Height

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.

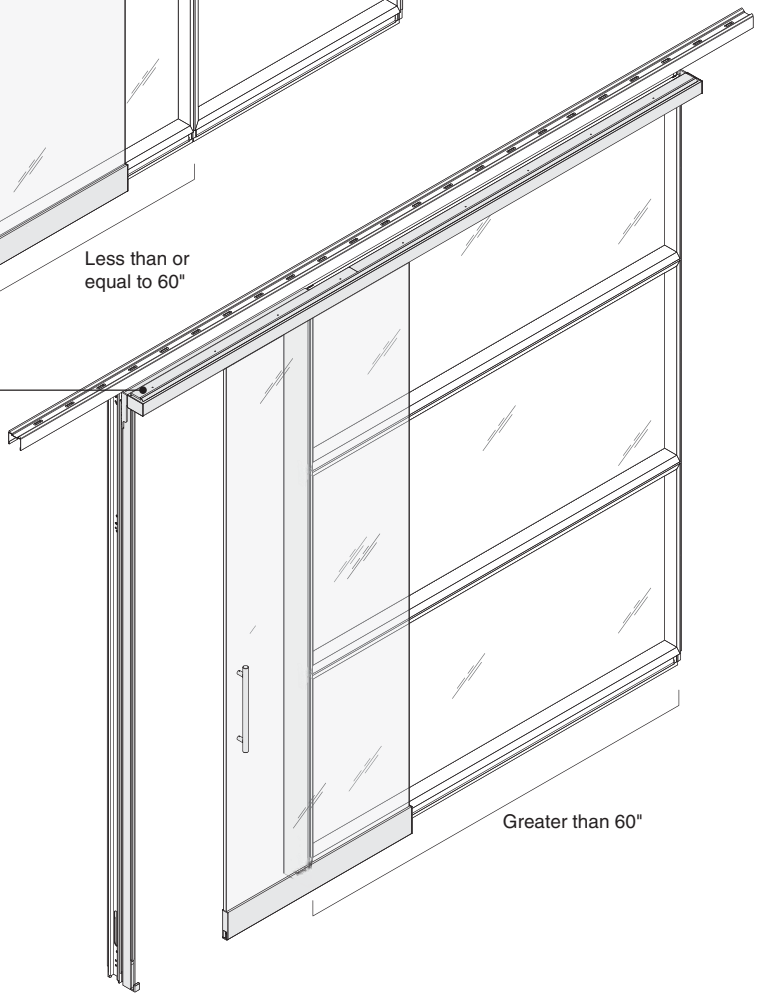
Basic Track Versus Reinforced Track

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".



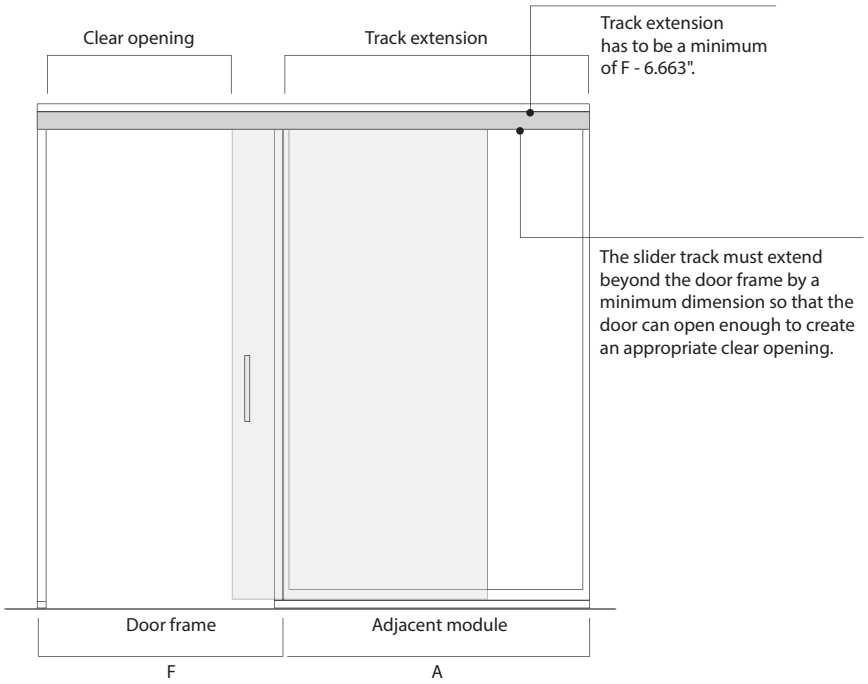
Reinforced track is an aluminum extrusion that is structurally reinforced with a steel angle to span longer lengths. Reinforced track is required when the module adjacent to the door opening is greater than 60". Reinforced track is made up of two lengths of track. Overall length cannot exceed 168".



Basic Track Examples

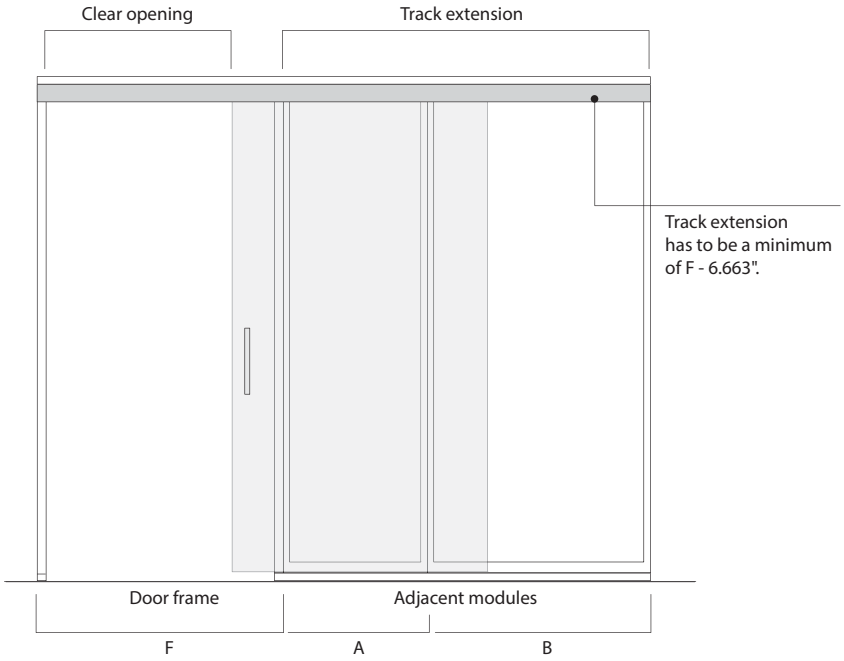
Slider Door Configurations – Advanced Planning

Slider Door and Single Adjacent Module



A must be greater than F - 6.663"

Slider Door and Multiple Adjacent Modules



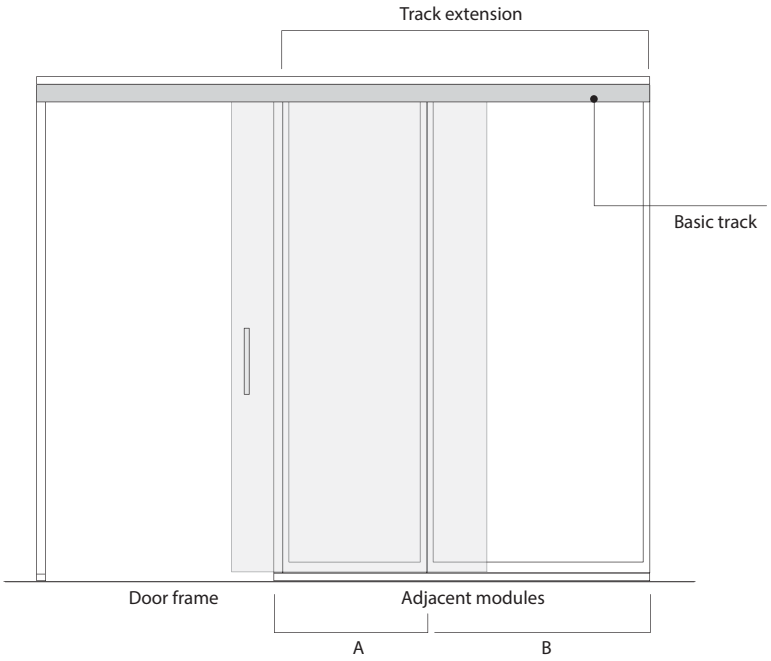
A + B must be greater than F - 6.663"
A + B must be less than or equal to 60"

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.

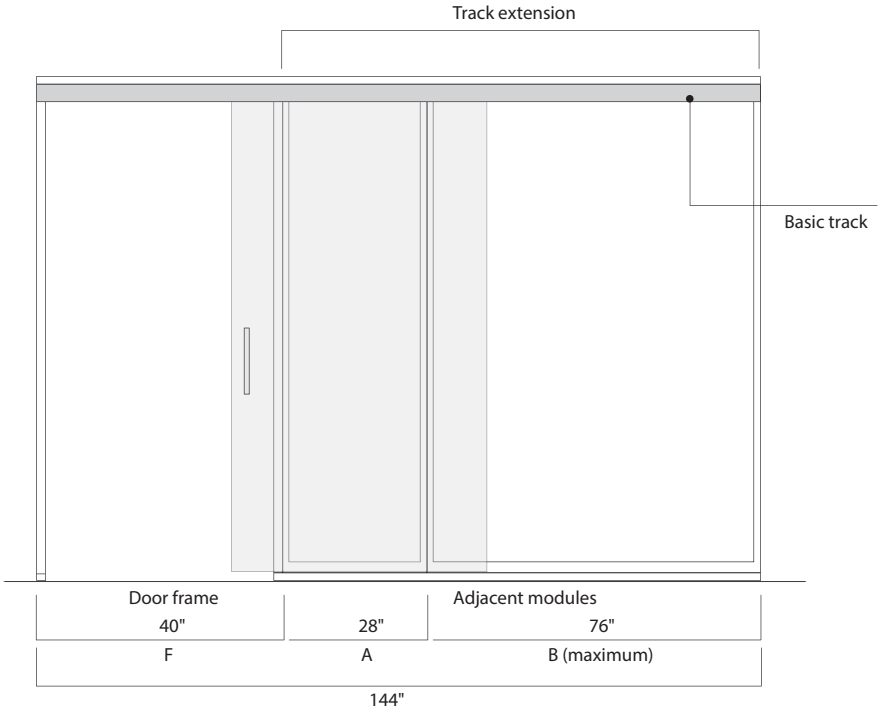
▶See *SmartTools,* Page 4

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.



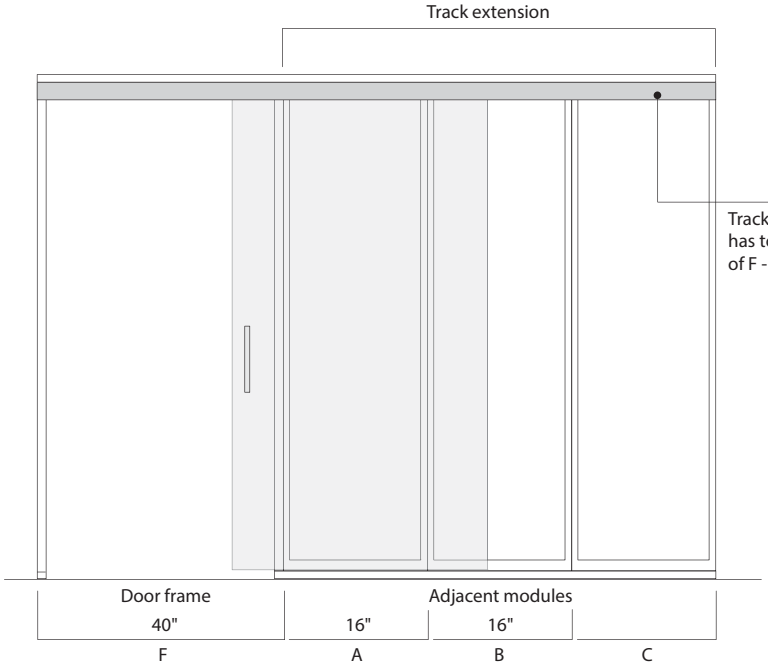
A single length of basic slider track can be no longer than 144".

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 **69**

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.

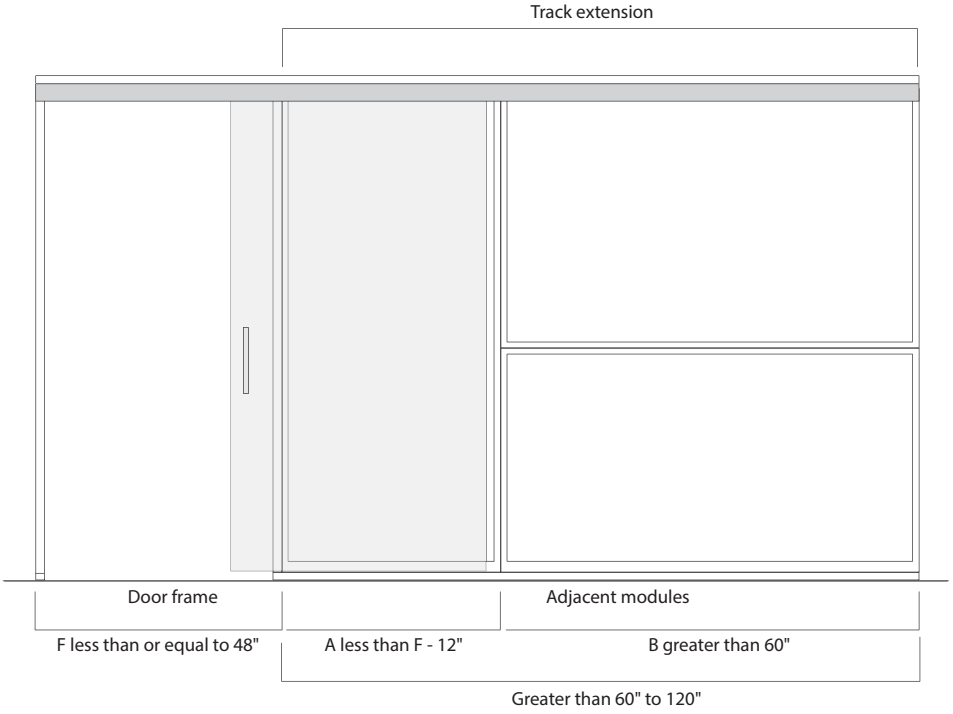
If A plus B is less than F minus 6.663", extend track to span next module until the track length spanning adjacent modules is greater than or equal to F minus 6.663".

▶See *SmartTools,* Page 4

Reinforced Track Examples

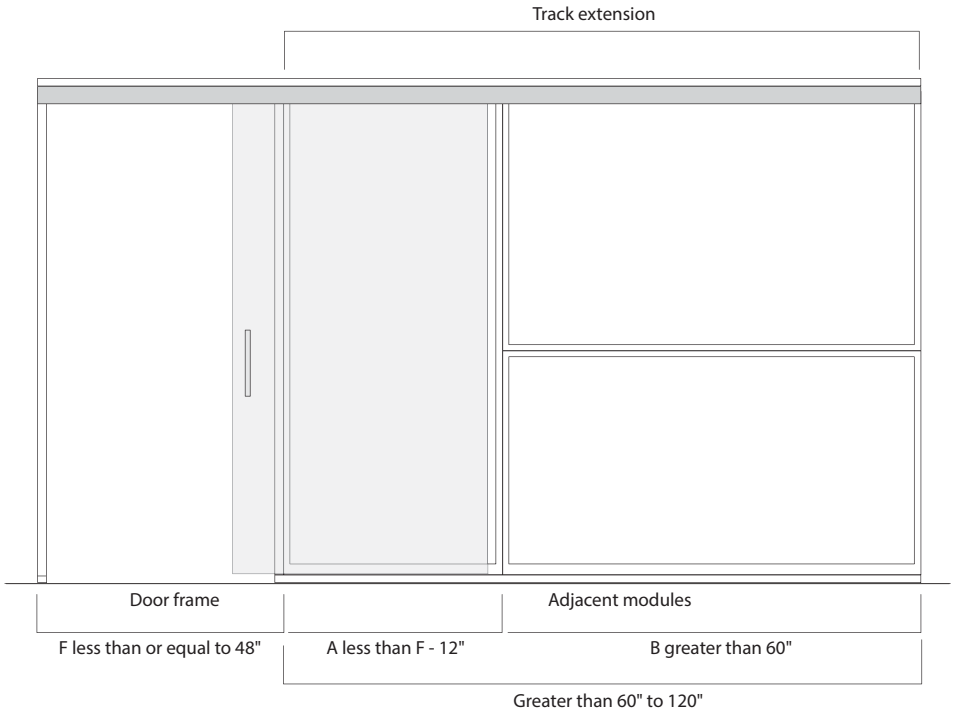
Slider Door Configurations – Advanced Planning

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.

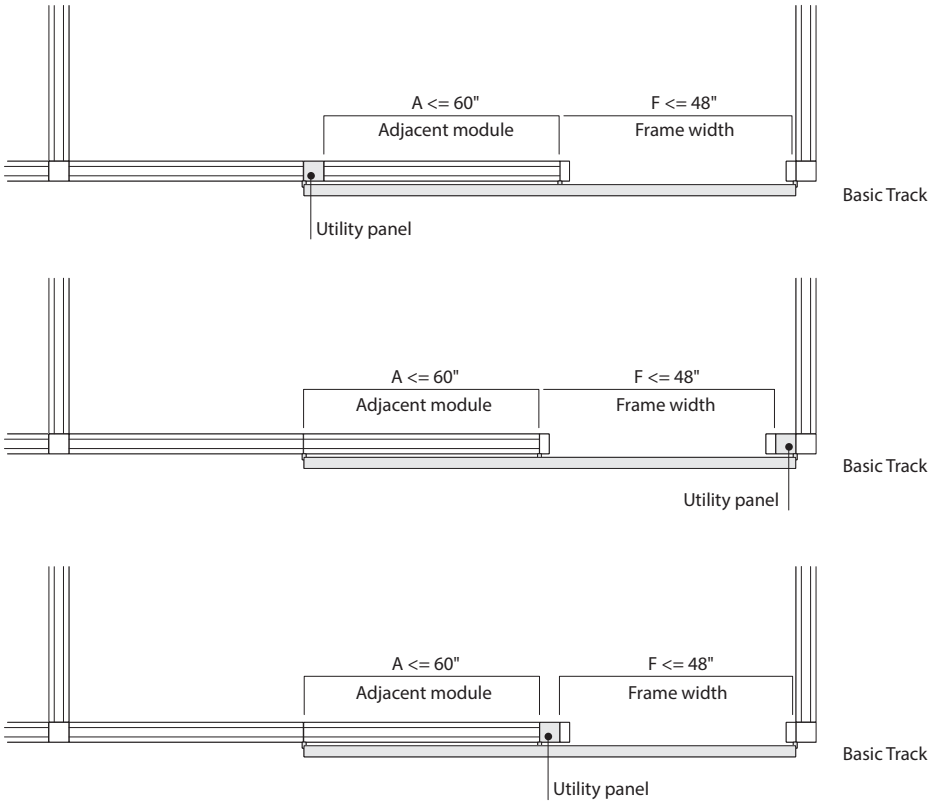
▶See *SmartTools,* Page 4

Basic Track, Reinforced Tracks, and Utility Panel

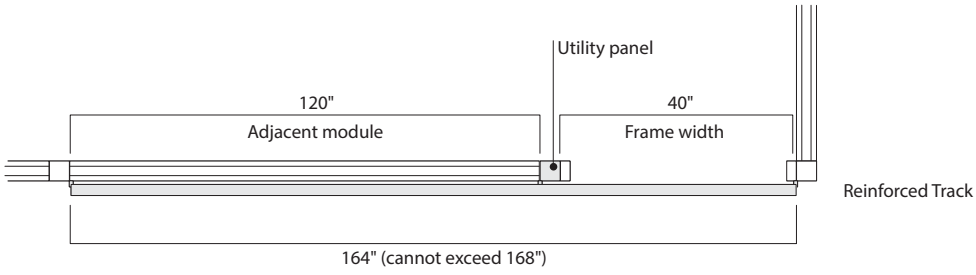
Slider Door Configurations – Advanced Planning

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

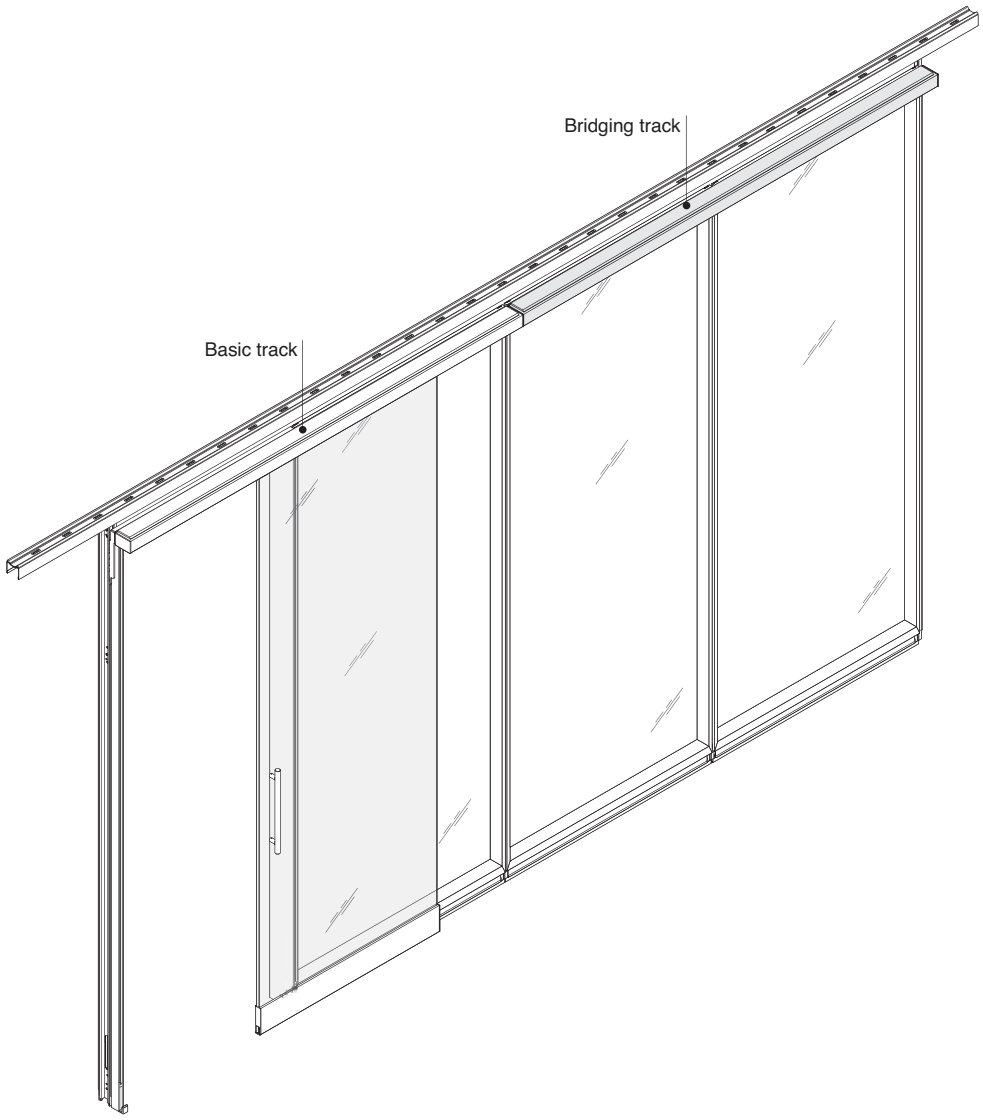
Slider Door Configurations

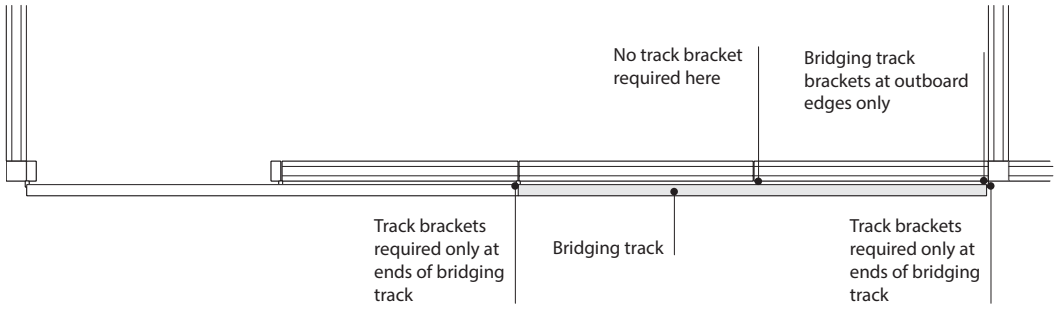
If desired, additional lengths of door track can be added (bridged) adjacent to lengths of functioning basic track to create a consistent visual line.

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.

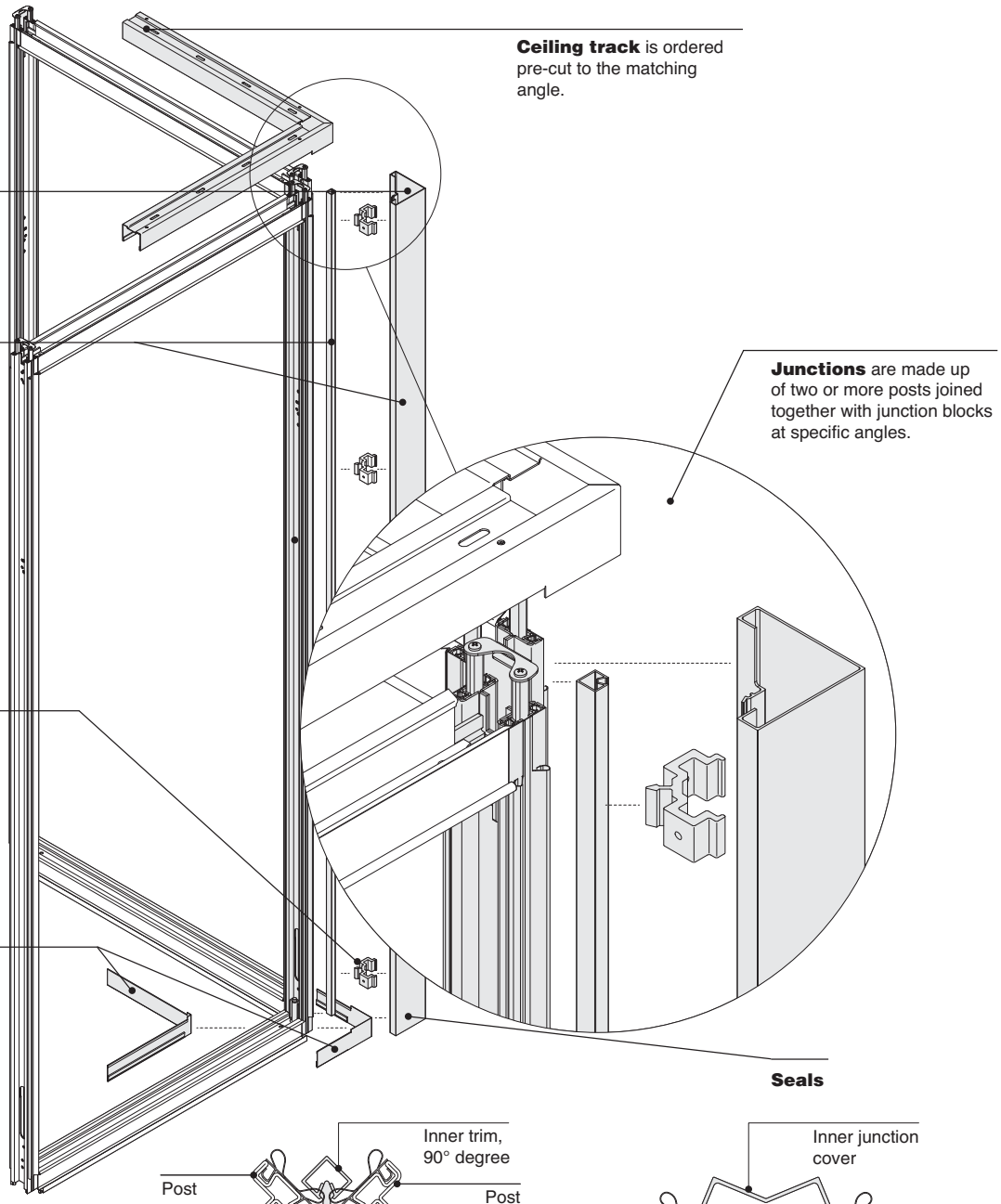


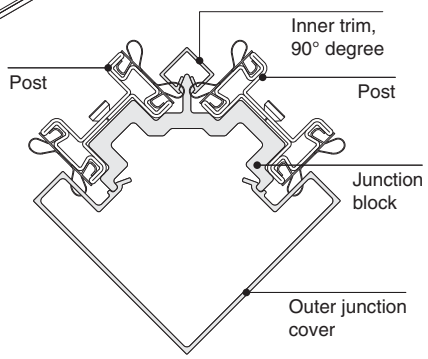


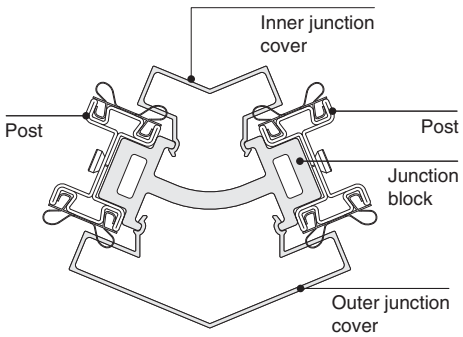
▶See *SmartTools,* Page 4

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 197

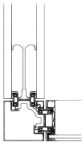




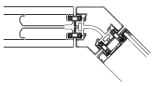


Product Details

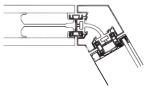
▶See *V.I.A. Planning Dimensions,* page 109, for important information regarding dimensional references for all V.I.A. components.



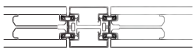
Two-Way 90°



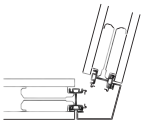
Two-Way 135°



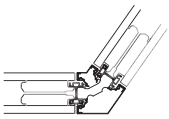
Two-Way 120°



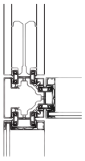
Two-Way 180°



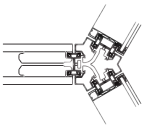
Two-Way variable
91° - 94°



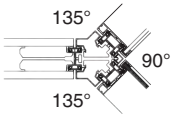
Two-Way variable
95° and greater



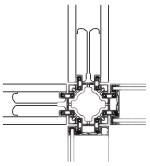
Three-Way 90°



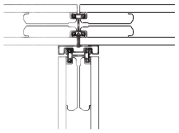
Three-Way 120°



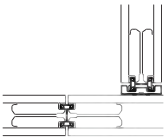
Three-Way 135°



Four-Way



Adapter T on module



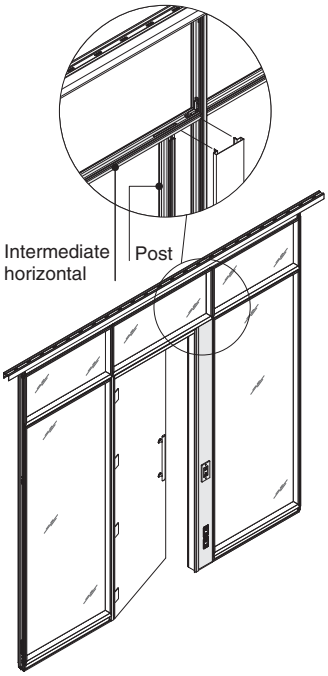
Adapter T off module

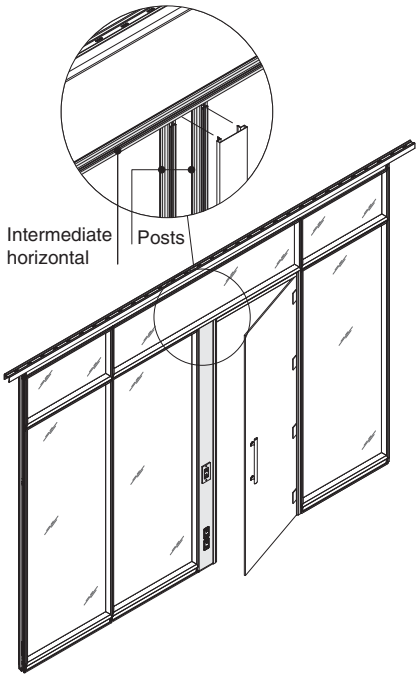
Junctions and adapters join walls in various configurations.

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

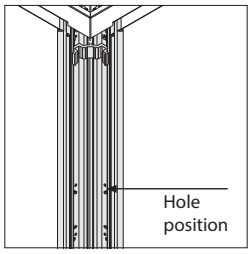
Height can be specified in planning heights from 80"–144" ceiling height.

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



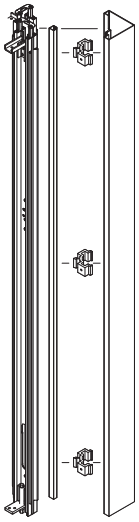


When used in conjunction with utility panels, the top of 180° two way junctions can connect to an intermediate horizontal (either one post or both posts) or the ceiling track.



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

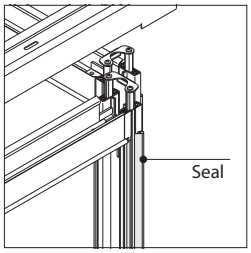
Three-Way 90°

Three-Way 120°

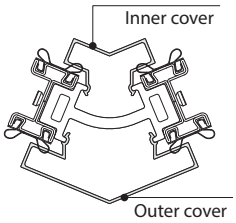
Three-Way 135°

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.

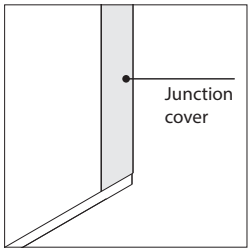
Variable angle two-way junction assemblies are available in all other angles between 90° and 180°, excluding 120° and 135°, which are orderable as fixed angle junctions.

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.

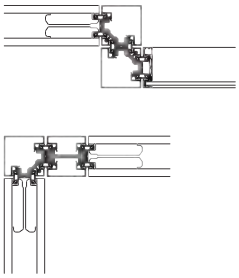


When positioned adjacent to a solid skin or glass frame, the bottom edge of the junction cover will align with the bottom edge of the skin or frame.

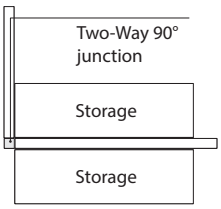
When positioned between two door frames or between a mini end and a door frame, the bottom edge of the junction cover will extend to the floor.

180° junction assemblies can be combined with utility panels to house power receptacles, data, switches, and other devices.
▶See page 87

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



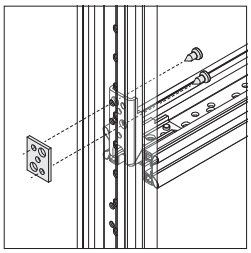
Two junctions can be positioned adjacent to one another.



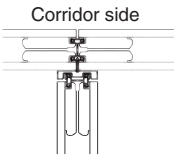
Junctions allow access to slots for hang-on components.

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

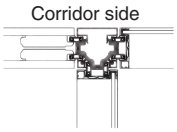
A junction cover seal is installed in each end of the junction cover to minimize sound transfer.



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

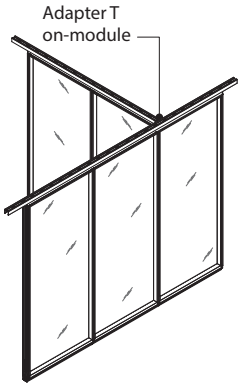


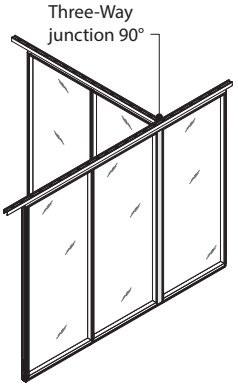
Adapter T on module



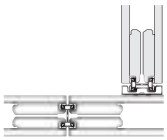
Three-Way junction 90°

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

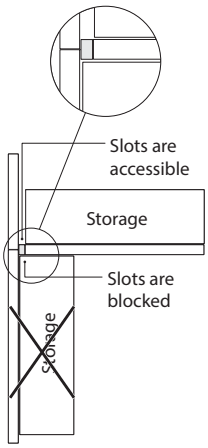




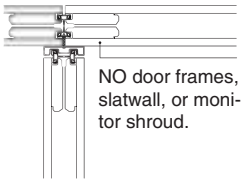
Adapters may be preferable to junctions as they create a smaller profile along the corridor side of a wall.



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 30

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 84

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

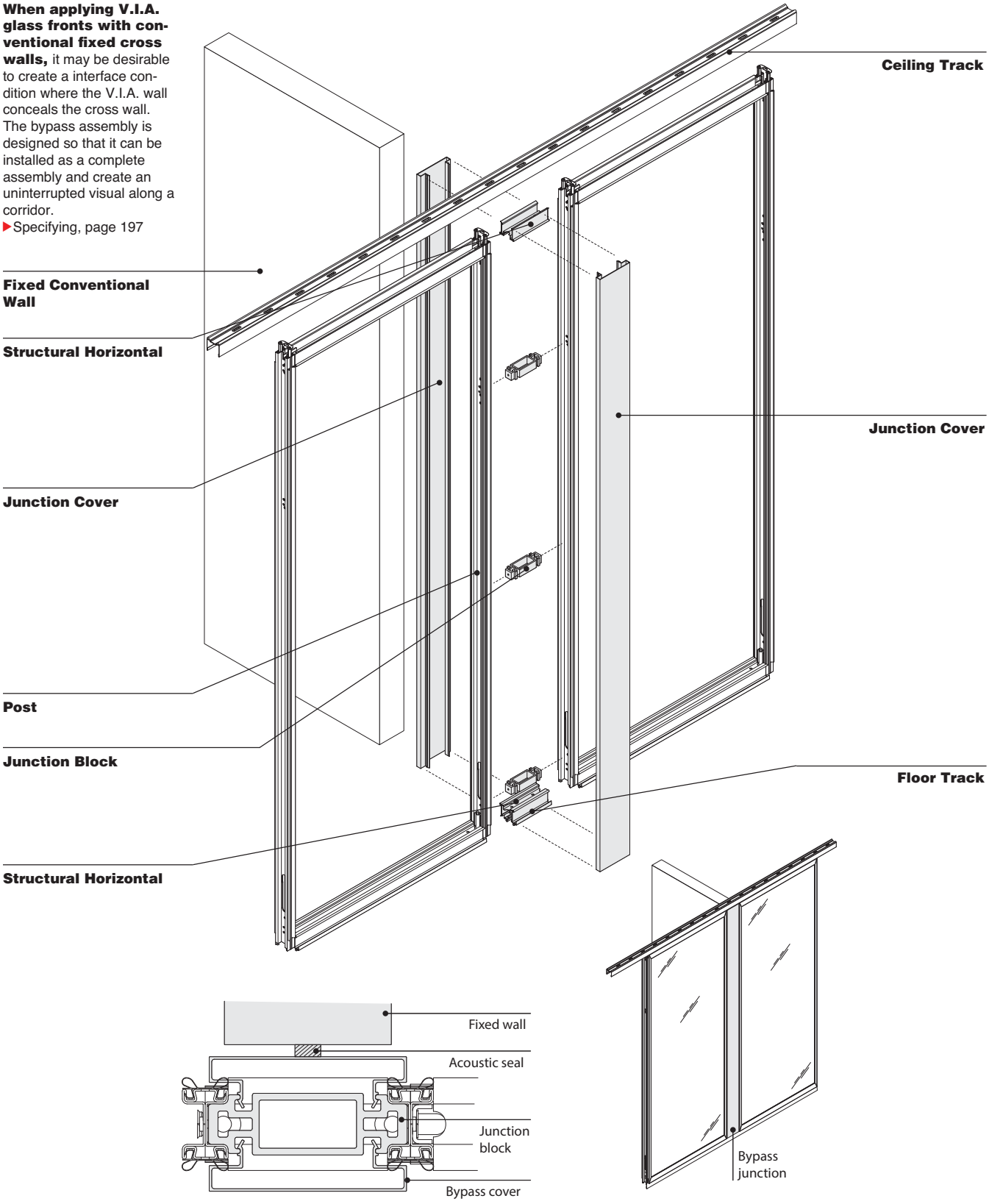
Application Topics

V.I.A. Planning Dimensions
▶See page 109

Bypass Junction Assembly

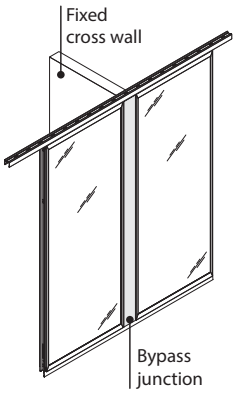
When applying V.I.A. glass fronts with conventional fixed cross walls, it may be desirable to create a interface condition where the V.I.A. wall conceals the cross wall. The bypass assembly is designed so that it can be installed as a complete assembly and create an uninterrupted visual along a corridor.

▶Specifying, page 197

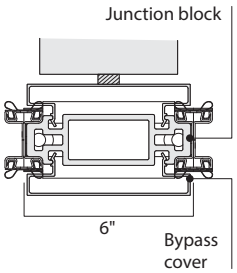


Product Details

▶See *V.I.A. Planning Dimensions,* page 109, for important information regarding dimensional references for all V.I.A. components.



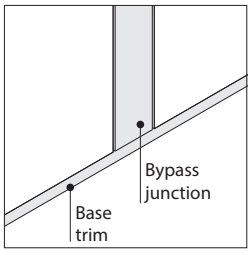
When applying V.I.A. glass fronts with conventional fixed cross walls, it may be desirable to create an interface condition where the V.I.A. wall conceals the cross wall. The bypass assembly is designed so that it can be installed as a complete assembly and create an uninterrupted visual along a corridor.



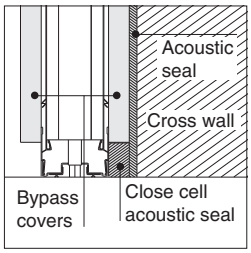
The planning width for a bypass assembly is 6".

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

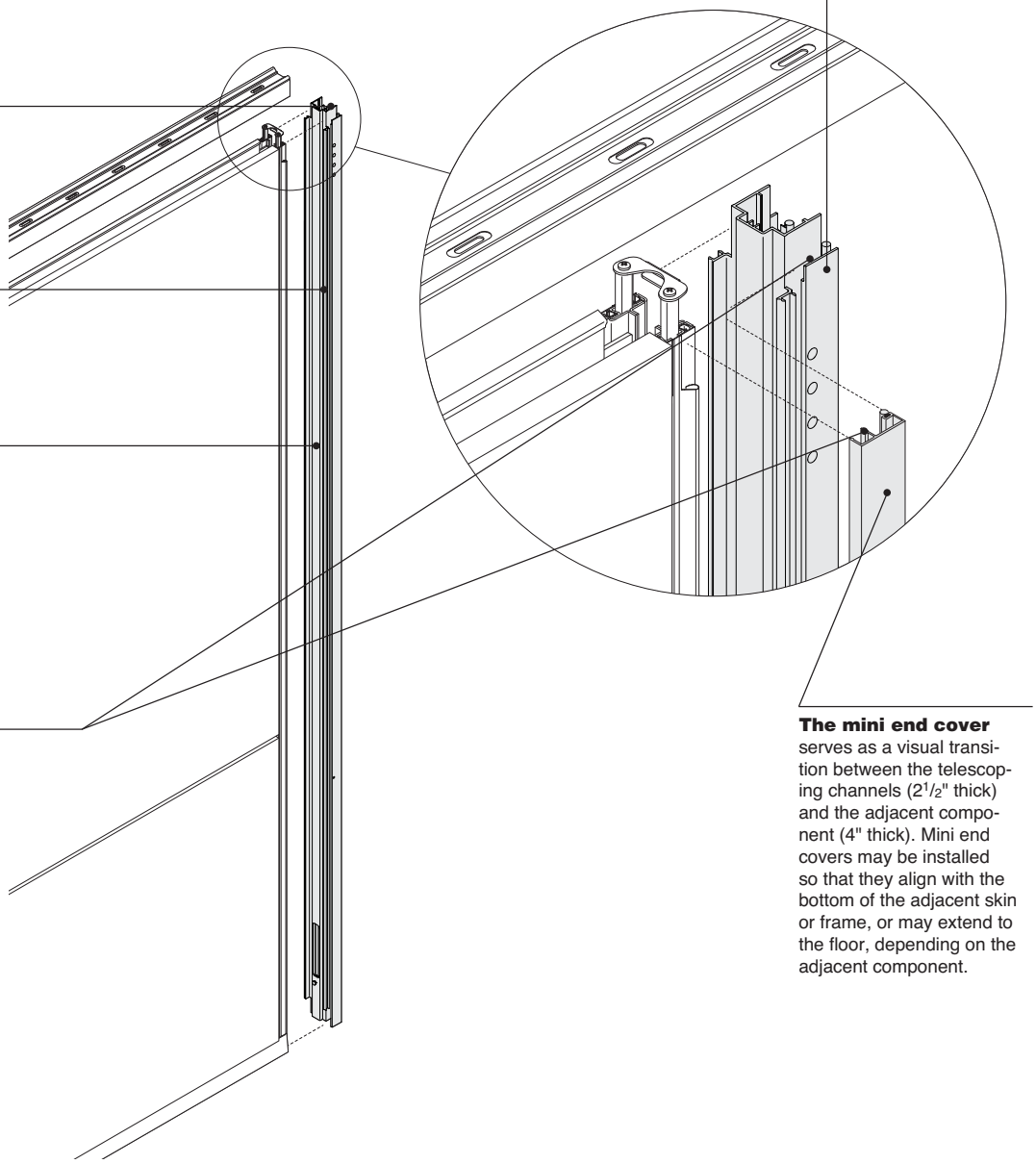
- 8043 Clear Anodized Aluminum
- Paint

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 211

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.

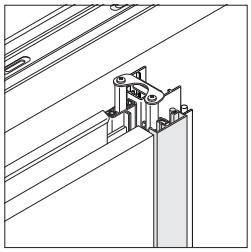
Polypropylene seals provide light and sound seal between the mini end and the building wall.

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.

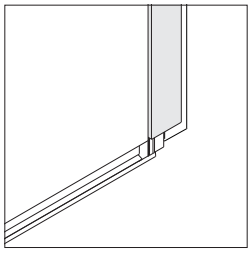
Product Details

▶See *V.I.A. Planning Dimensions,* page 109, for important information regarding dimensional references for all V.I.A. components.

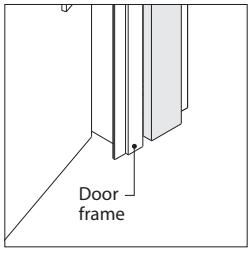
Height of the mini end is specified to the same height as the adjacent wall. Mini ends are available in ceiling heights of 80"–144". The outer channel spans to the floor and is cut on site by the installer.



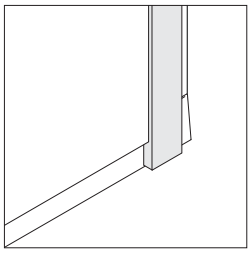
The top of the mini end cover aligns with the top of the adjacent component.



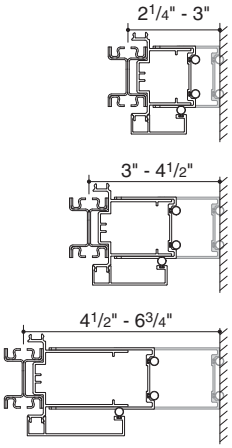
The bottom of the mini end cover can align with the bottom of the adjacent skin or frame, or can extend to the floor when adjacent to a door frame.



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.



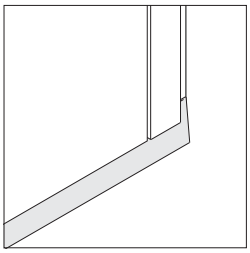
When positioned adjacent to a junction or T-adapter, the bottom of the mini end cover will extend to the floor, and will be field cut by the installer to final length.



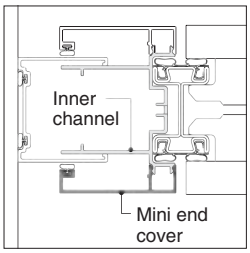
Three sizes of mini ends are available. Each telescopes to a different range of dimensions.
Small: $2^1/_4$" min– < 3" max
Medium: 3" min– < $4^1/_2$" max
Large: $4^1/_2$" min–$6^3/_4$" max

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.

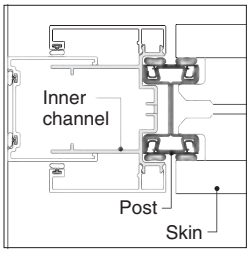


When positioned next to a solid skin or glass frame, the base trim extends under the mini end cover.



Mini end cover snaps onto the inner channel.

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

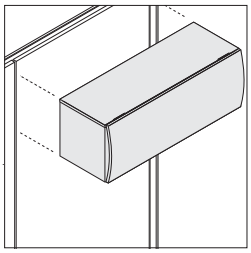


Mini end inner channel shares a post with the adjacent skins, frames, or door frames. The adjacent components can be a combination of different skin types and glass frames.

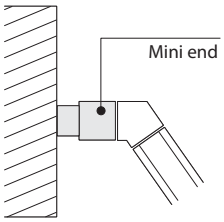
A screw connection to the building is not typically required. Mini end fits tightly against the building wall, and the contact points are sealed with a continuous polypropylene seal.

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

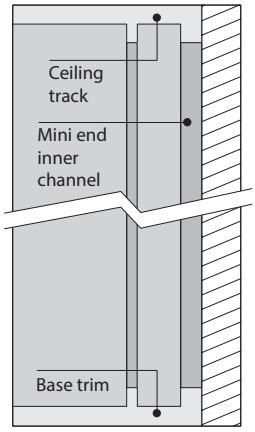
A screw connection is recommended for ceiling heights that are greater than 10'0".



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.

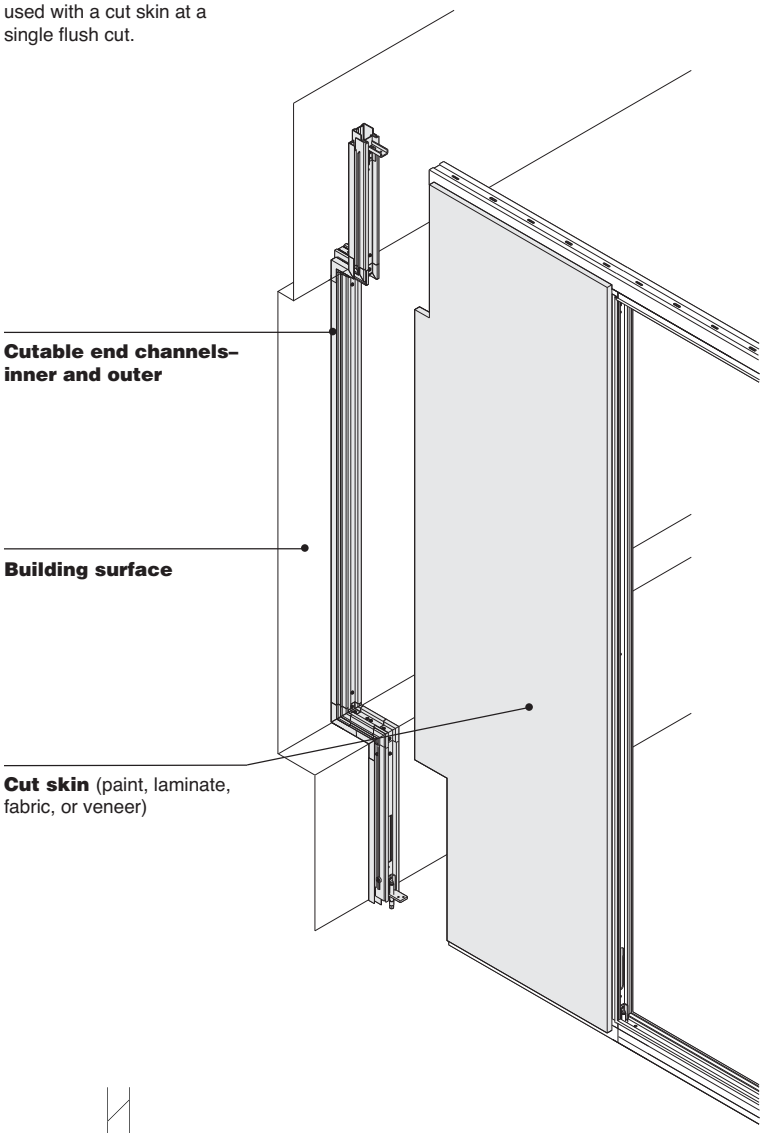
Mini end covers are ordered individually, allowing for different finishes on opposite sides of the wall (painted or anodized aluminum).

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

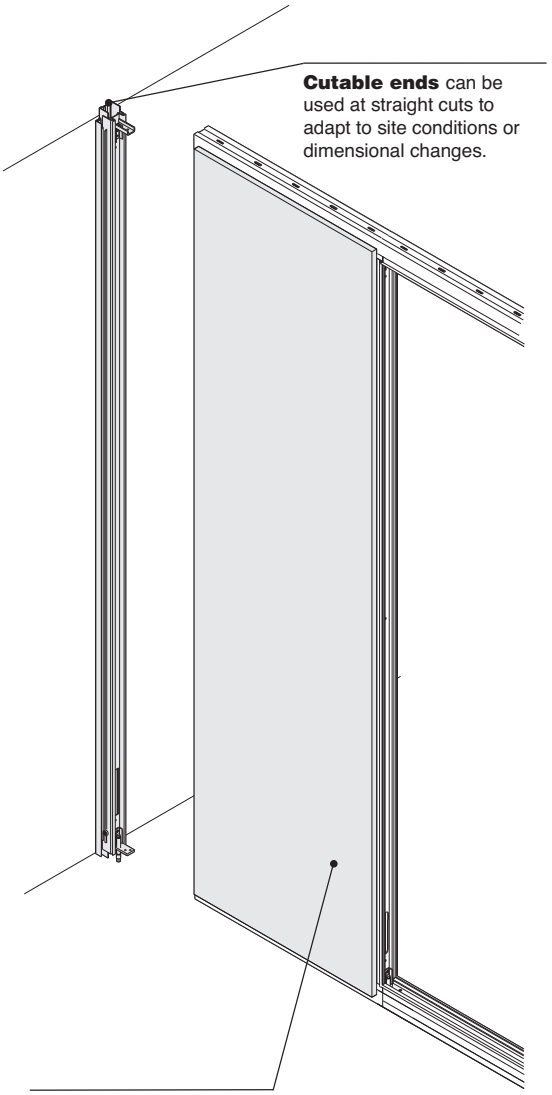
Cutable Ends

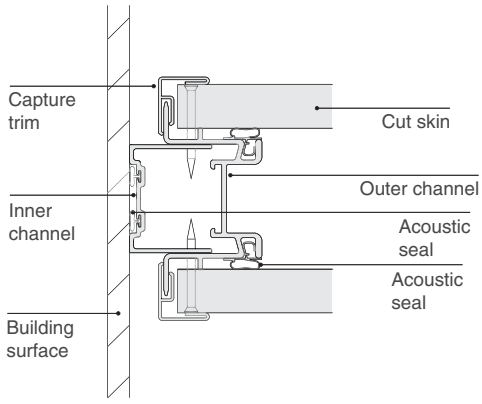
Cutable ends can be field cut around irregular building surfaces.
▶Specifying, page 215

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

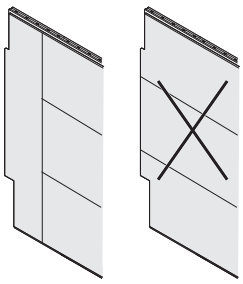
▶See *V.I.A. Planning Dimensions,* page 109, for important information regarding dimensional references for all V.I.A. components.

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.

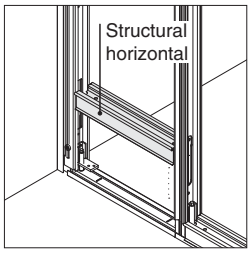


Cutable end assemblies do not accommodate intermediate horizontals or segmentation.

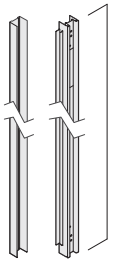
Cutable ends are not used with slatwall, lighting, ceramic skins, or monitor shrouds.

Electrical devices cannot be positioned in a cut skin.

Infeeds and cables can be routed behind a cut skin.

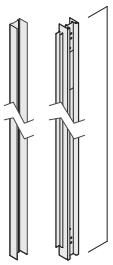


Structural horizontals that are positioned adjacent to cutable ends will be modified to ensure that cable cut-outs do not interfere with the bracket connection. These horizontals will receive one cut-out only when 22.61" long or greater. Structural horizontals that are less than 22.61" will not have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

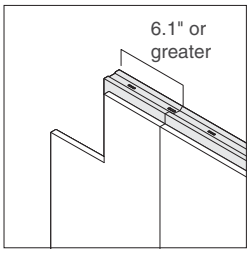


When intended for use with a single vertical cut, the inner and outer channel are ordered in lengths that correspond to ceiling height.

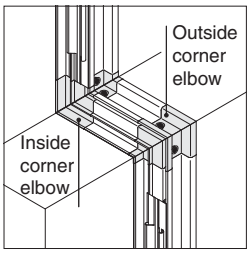
When intended for use with a single vertical cut, the inner and outer channel are combined into a single assembly.



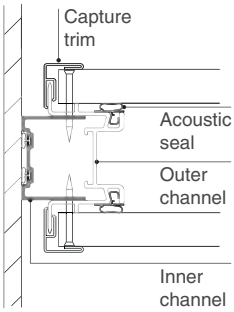
When intended for use with multiple cuts around sills and soffits, channel lengths can be specified in different lengths to minimize scrap.



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



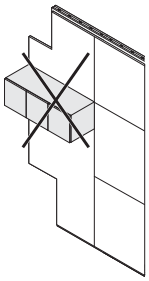
Cutable end assemblies can be combined with corner angles and elbows (inside and outside corner) to allow the installer to trim around unique end configurations.



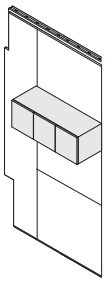
Inner channel can be specified in a different color than capture trim.

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, lighting control, or other types of devices. Power options include modular power or conventional hardwired devices.
▶Specifying, page 219

Communication cabling is field installed.

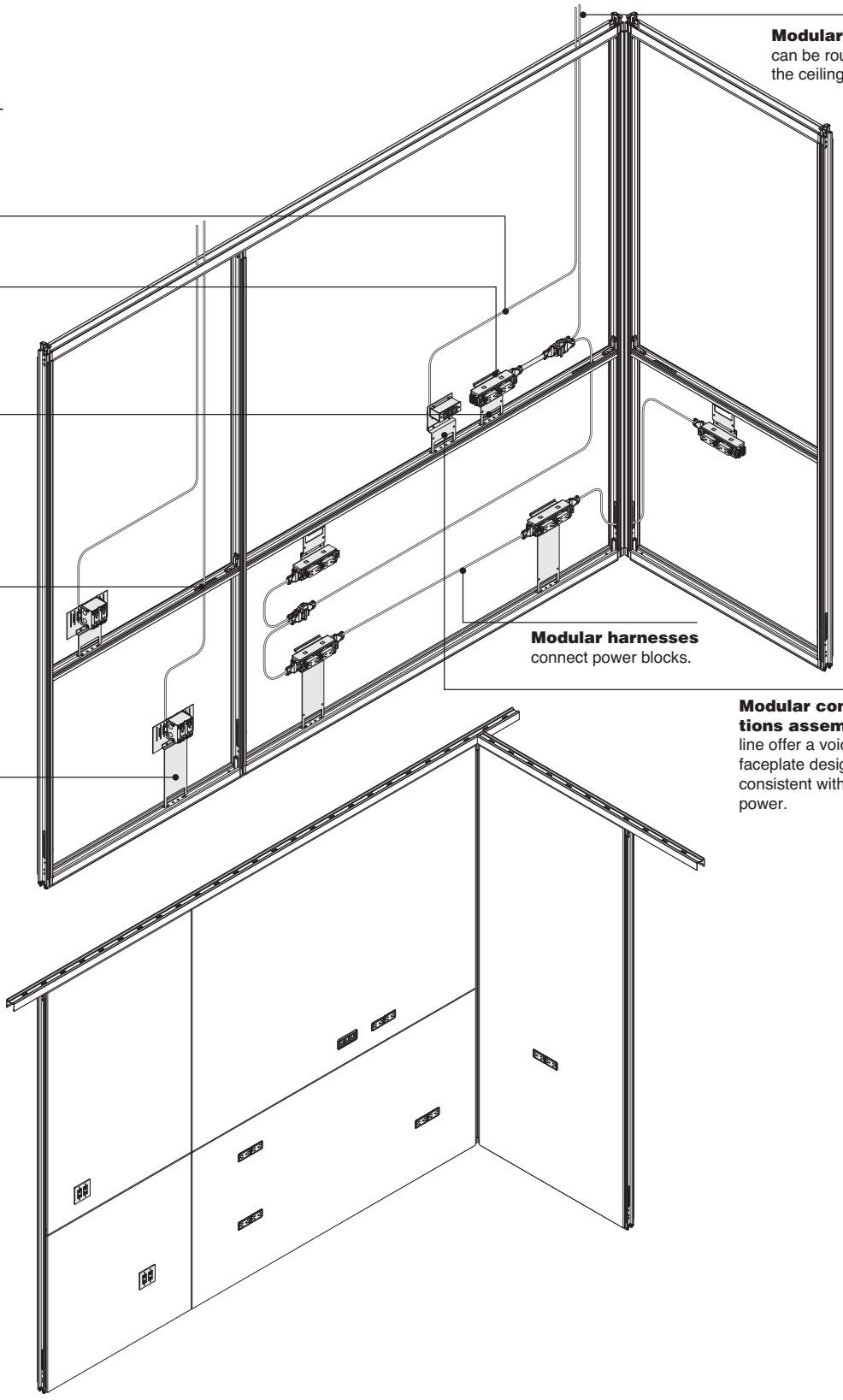
Modular power components utilize modular connections to simplify power distribution and speed installation.

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)

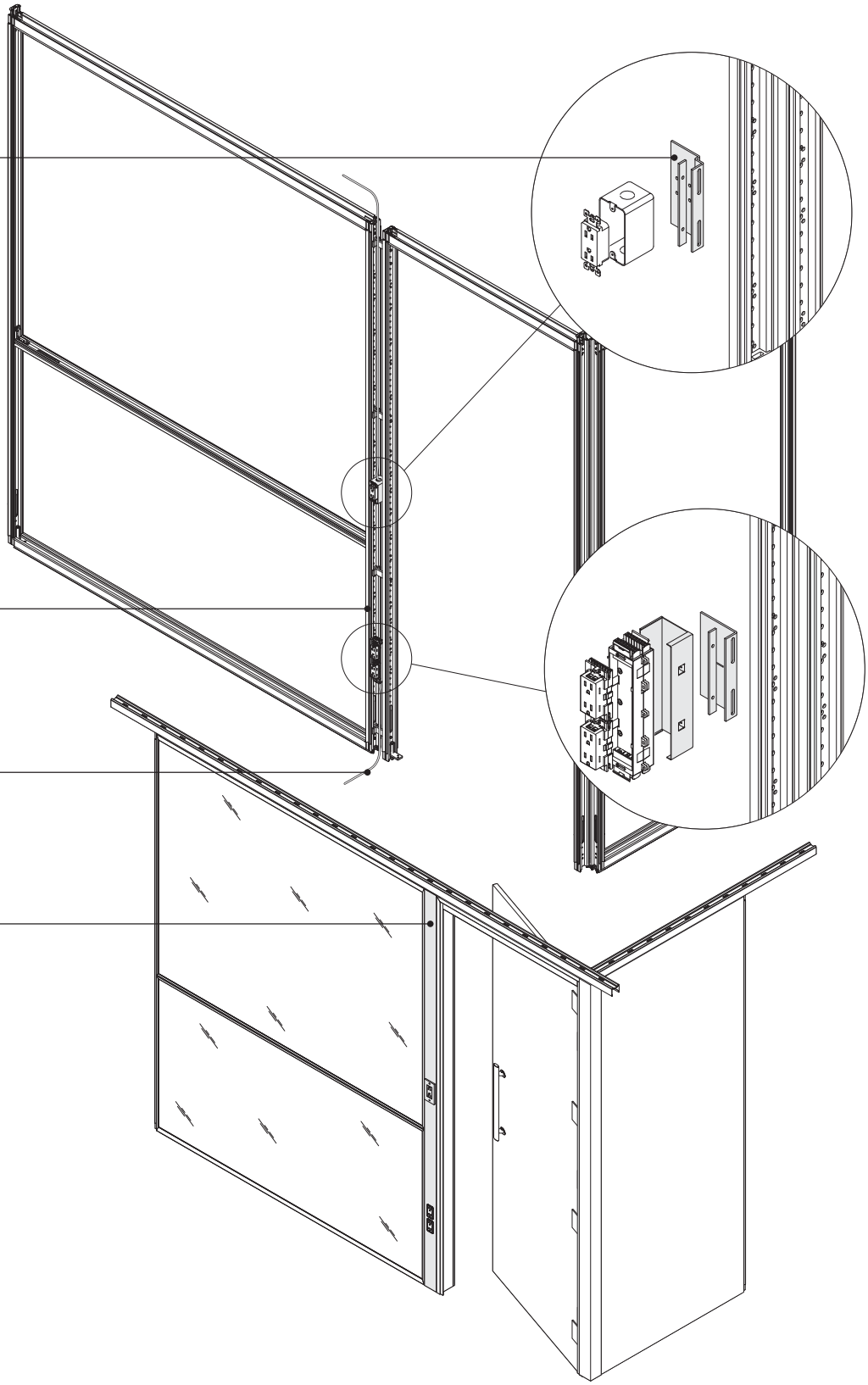
Electrical locations are parametric.



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 109, 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 87

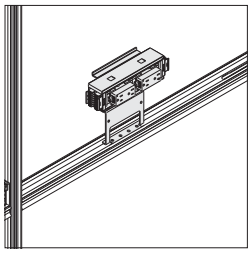
Modular power or hardwired electrical devices can be accommodated. Both types can be combined in the same application.

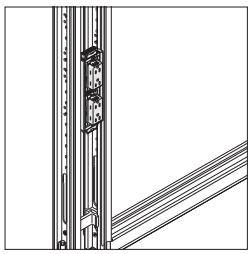
Cut-out locations are parametric, and are positioned as part of the design/planning process.
▶See *SmartTools*, page 4

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.

When specifying veneer skin sets, only one skin within the set can have electrical cut-outs, with a maximum of two cut-outs within that skin.

A maximum of three devices can be located in a single utility panel.
▶See *Utility Panels,* page 87



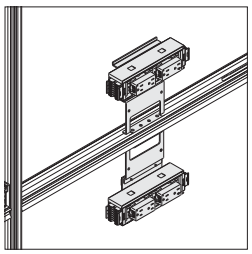


Electrical devices are held in place with mounting brackets, which are fastened to structural frame components.

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

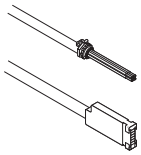
Each structural post and intermediate horizontal includes a cut-out for cabling routing. If required, additional cable routing holes can be cut during installation.

Modular Power in Skins

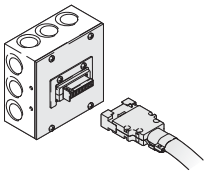


Modular power blocks are held in place with mounting brackets, which are fastened to structural frame components.

A multipurpose infeed brings power from the ceiling or floor to a power block in the wall.
Tip: Multipurpose infeeds cannot be routed between back to back LED lights.

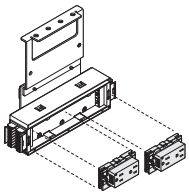


End of the power infeed can be hardwire or modular. Hardwire allows the electrician to make a conventional connection to the building's power inside a junction box. Modular allows the infeed to connect to any corresponding modular infeed cover. This is the same modular connector used by Answer, Montage,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

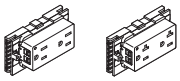


Modular infeed cover is included with modular multipurpose infeed to hardwire to a junction box. It allows modular connector on the infeed to snap easily into position. This allows infeeds to be quickly disconnected, moved, and reconnected later.

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

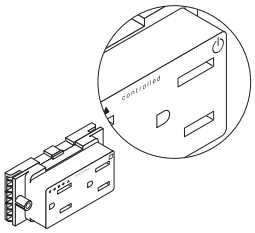


Receptacles are ordered separately and field installed in power blocks. Separate duplex receptacles are available to engage each of the different circuits that are possible in the electrical system. Receptacles are coded to indicate which circuit and type of ground they engage.

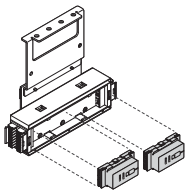


15 amp 20 amp

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

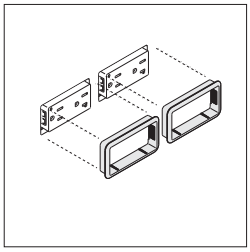


Controlled receptacle must be indicated when tying into the building management system. Duplex receptacles have an option for a factory permanent, pad stamp power icon symbol with the word controlled per compliance with the Energy Code.

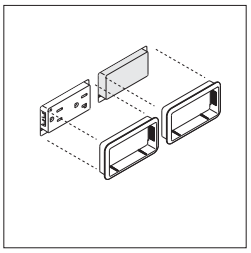


USB receptacles are available in three wiring schematics with multiple line options. USB receptacles offer easy access to two changing ports. Each port provides one amperage of output. USB receptacles

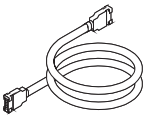
conveniently charge a wide range of electronic devices. Some devices may not be compatible.



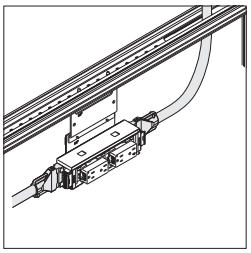
Receptacle trim is used with each receptacle to cover te edge of the cut-out and create a precise transition between the cut-out and the receptacle.



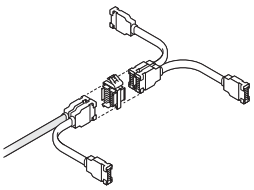
When a single duplex receptacle is needed, use a blank cut-out cover over the unused cut-out.



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

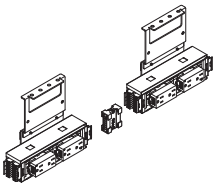


Each power block can receive a single harness at either end.



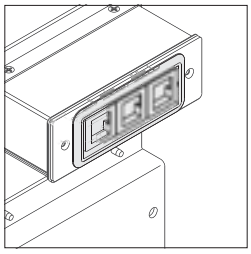
Harness-to-harness branching connector link harnesses. This allows multiple harnesses to connect at a single point to allow power networks to branch.

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.

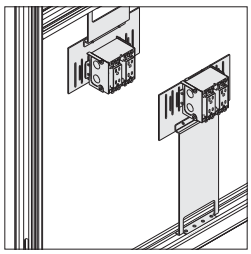
Power harnesses can be routed behind solid skins or within junctions and mini ends.



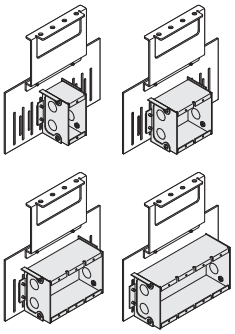
A modular communication faceplate can be used to create voice and data terminations using a design that is consistent with modular power receptacles.

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.



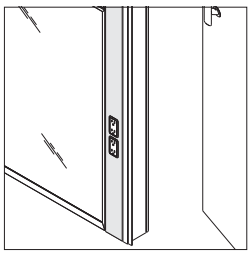
Mounting brackets can accommodate single gang, two gang, three gang, or four gang junction boxes.

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.

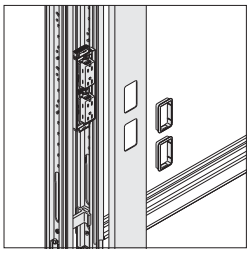
Junction boxes (and associated devices) and cover plates are purchased locally and are not part of the V.I.A. statement of line.

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

Utility Panel



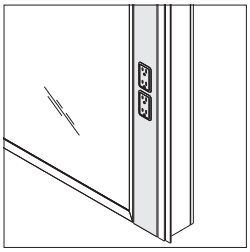
Utility panels are used to house electrical devices when solid skins are not available, or skin cut-outs are not desired.



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

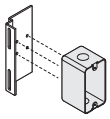
Utility panels can include as many as three electrical devices. One of these can be a modular power block.

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.

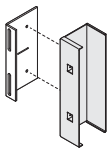


Modular power blocks are oriented vertically in the utility panel.

Utility panels can accommodate hardwired single gang 2" x 4" electrical boxes – either 2 1/2" deep or 1 7/8" deep (shallow box).

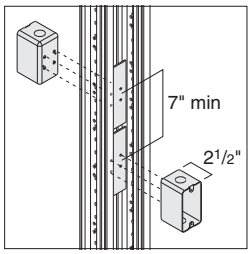


Hardwire box



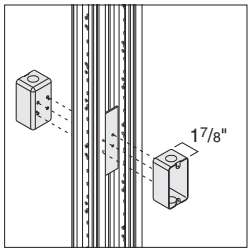
Modular power block

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"

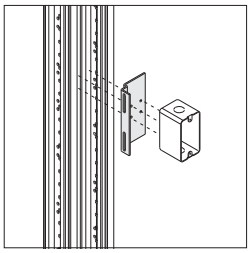


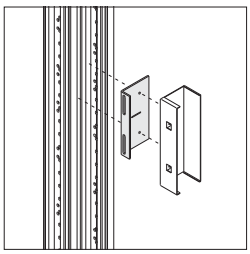
When hardwired devices using a 2 1/2" deep box are cut into both sides of the utility panel, they must be offset by a minimum of 7" (center to center).

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.

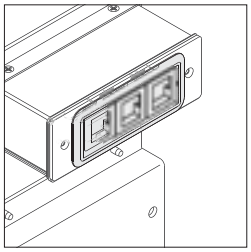
When a modular or hardwired 2 1/2" deep box is specified in a utility panel, one cover is cut-out for the box and the opposing cover is notched to allow the necessary clearance for the mounting bracket.

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

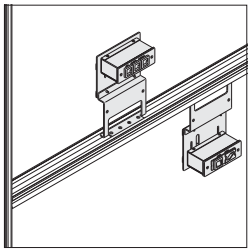
Junction boxes (and associated devices) and cover plates are purchased locally and are not part of the V.I.A. statement of line.

Modular power cut-outs can be placed on one side only.

Communications

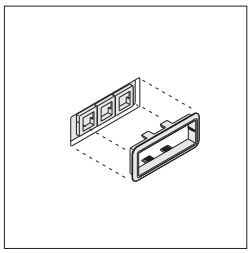


A modular communication faceplate can be used to create voice and data terminations using a design that is consistent with modular power receptacles.

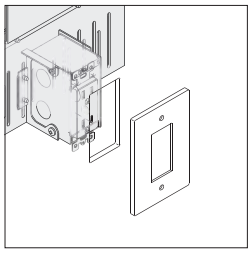


The modular communication faceplate is held in place with mounting brackets, which are fastened to structural frame components.

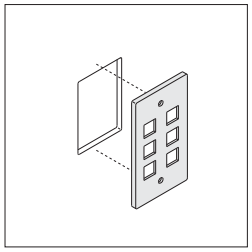
The modular communication faceplate can be specified for either three RJ45 connections or a combination of one RJ45 and a VGA connection.

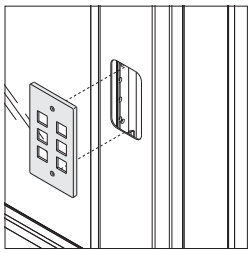


Communications receptacle trim is used with each receptacle to cover the edge of the cut-out and create a precise transition between the cut-out and the faceplate.



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

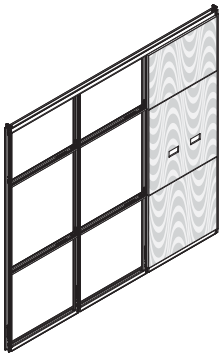




When an electrical box is not desired, communication faceplates can be fastened to the surface of the skin or utility panel.

Cut-Outs

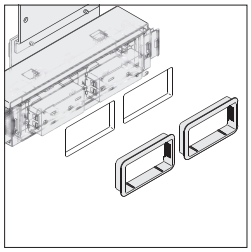
Cut-out locations are parametric, and are positioned as part of the design/planning process.



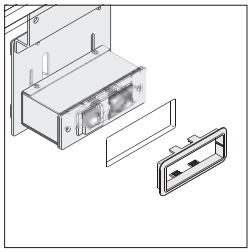
When specifying veneer skin sets, only one skin within the set can have electrical cut-outs, with a maximum of two cut-outs within that skin.

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

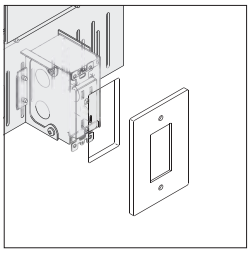
The maximum number of cut-outs per skin will vary depending on the size of the skin. The largest skin will allow for nine cut-outs.



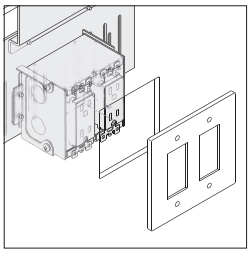
Modular Double (two cut-outs for two receptacles)



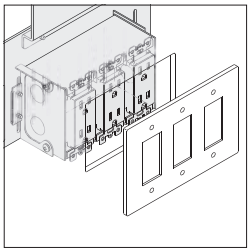
Modular Communications



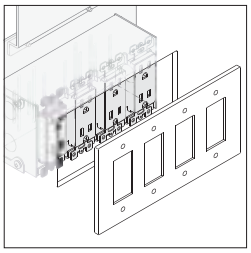
Hardwire Single



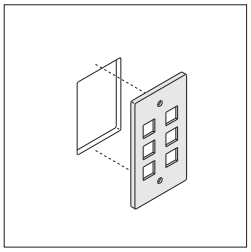
Hardwire Double



Hardwire Triple



Hardwire Fourplex



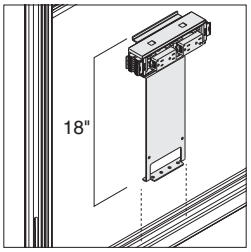
Communications – No Junction Box

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

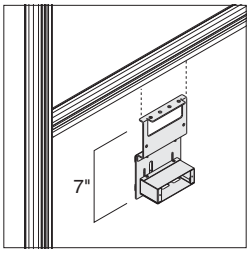
Brackets

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. Installations 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.

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

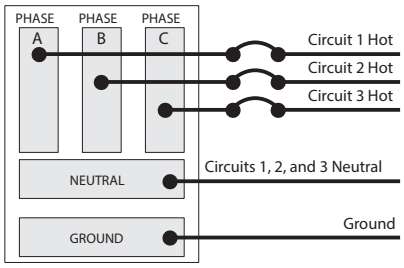
Details for the Electrician

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.

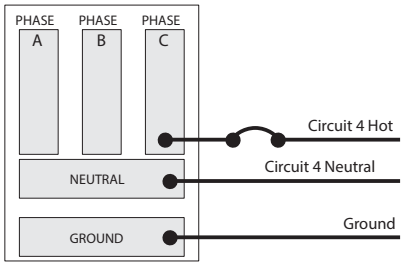
Tip: All the components in an electrical system must use the same wiring schematic. The components are color coded and keyed to make it impossible to connect mismatched parts.
Black = Four-circuit, 3+1
Brown = Four-circuit, 2+2
Rust = Three-circuit, separate neutrals
Shared neutral conductors = 10 gauge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

Four-Circuit, 3+1

Circuit Panel 1

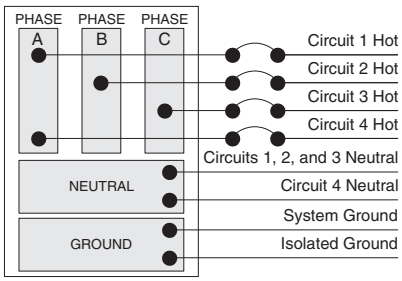


Circuit Panel 2



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.

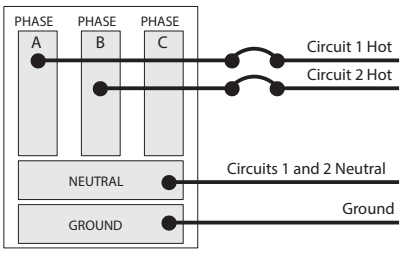
Single 3-Phase
Circuit Panel



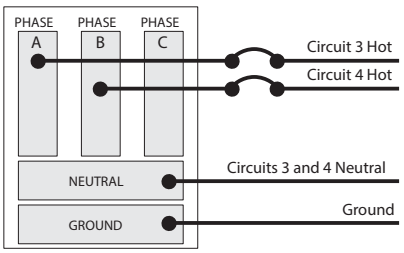
On a single 3-phase circuit panel, all four circuits are distributed as shown.

Four-Circuit, 2+2

Circuit Panel 1

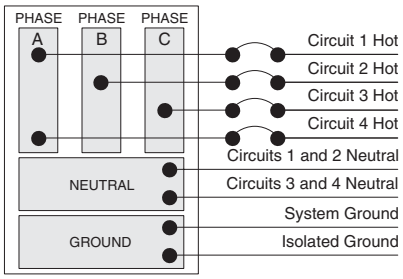


Circuit Panel 2



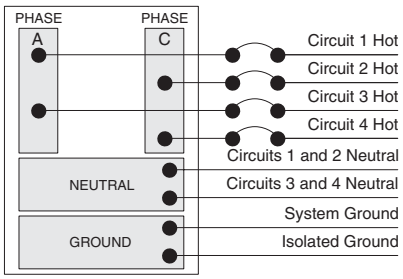
In the four-circuit 2+2 schematic, circuits 1 and 2 are distributed from two different phases from the first circuit panel and are supported with one shared neutral and one shared ground. Circuits 3 and 4 are distributed from a second circuit panel and supported by their own shared neutral and ground.

Single 3-Phase
Circuit Panel



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

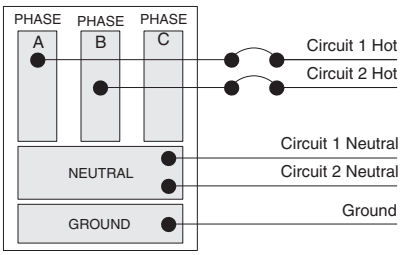
Split-Phase
Circuit Panel



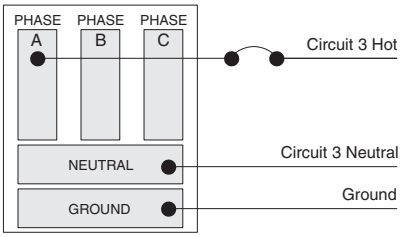
On a split-phase circuit panel, all four circuits are distributed as shown.

Three-Circuit, Separate Neutrals

Circuit Panel 1

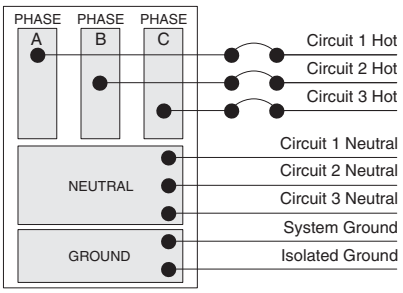


Circuit Panel 2



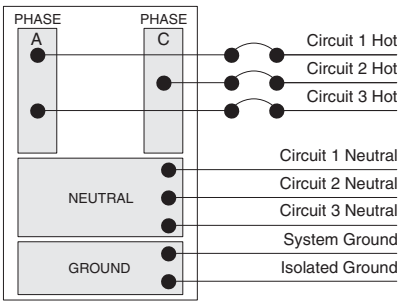
In the three-circuit, separate neutral schematic, circuits 1 and 2 are distributed from two different phases from the first circuit panel. Each circuit is supported with its own neutral and a common ground. Circuit 3 is distributed from the second circuit panel and is supported by its own neutral and 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 and 40 receptacles for each 4-circuit power-in.

If your usage is known in advance:
Add up the amperage used by each piece of equipment in the workstation. Whenever you reach 60 amps (20 amps times 3 circuits) or 80 amps (20 amps times 4 circuits) from items that are likely to be used at the same time, you have reached the limit for a single power-in. Specify another power-in and continue until all equipment is powered.

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

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

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

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

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

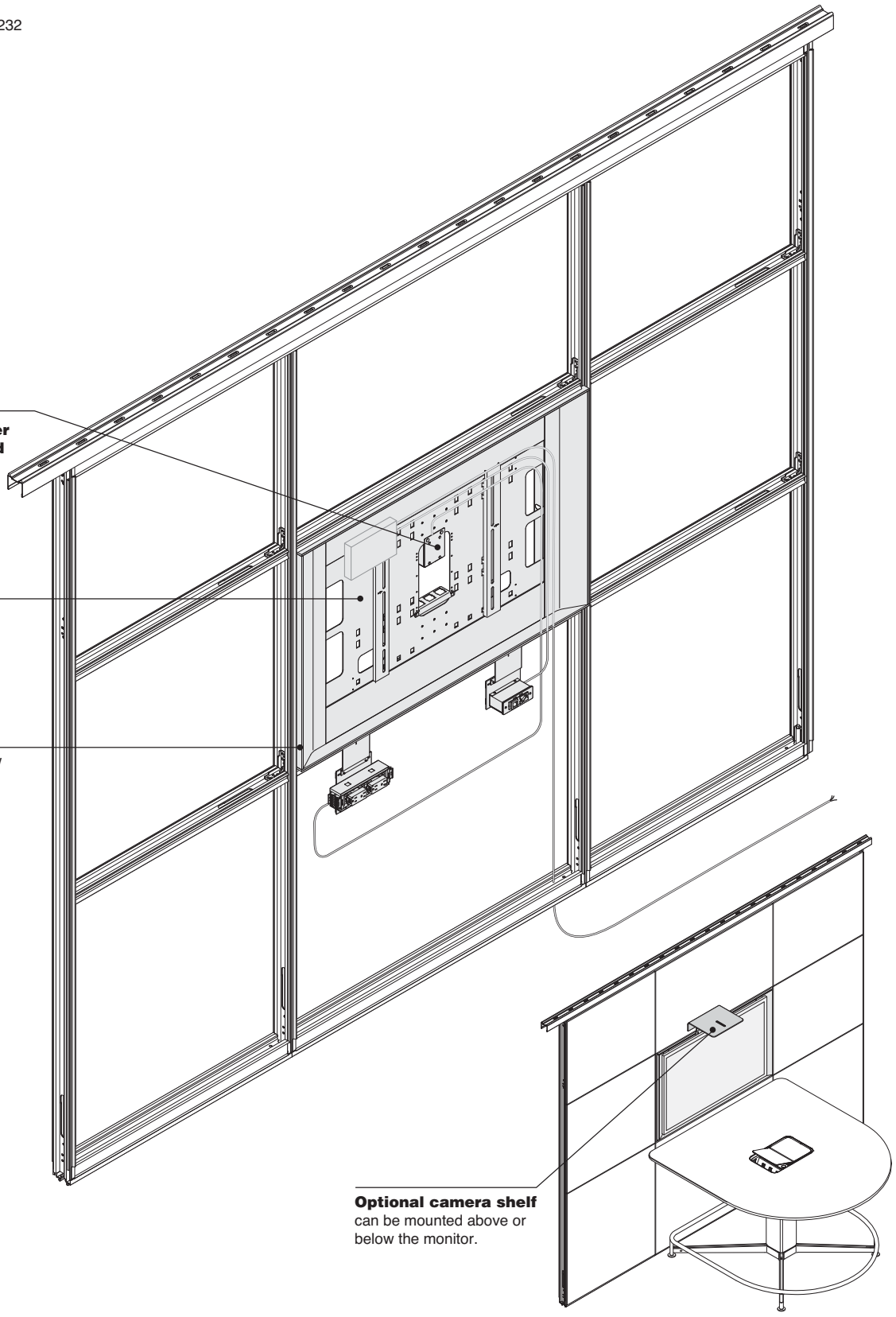
Approximate power consumption for common devices

Device	Wattage	Amperage	Voltage	Number of Devices Supported on Single 20 Amp Circuit*
Laptop	90	0.8	110	20
CPU/Desktop Computer	120	1.1	110	15
Monitor	60	0.5	110	29
Phone	5	0.0	110	352
High Power Tablet (e.g. Surface Pro)	40	0.4	110	44
Low Power Tablet (e.g. iPad Air)	15	0.1	110	117
Desktop Printer	40	0.4	110	44
42" LCD Screen	210	1.9	110	8
DVD Player	25	0.2	110	70
Projector	175	1.6	110	10
Desktop Lamp	19	0.2	110	93
Large Printer/ Copier (high)	1900	17.3	110	1
Large Printer/ Copier (low)	850	7.7	110	2
Paper Shredder	360	3.3	110	5
Desktop Fan	20	0.2	110	88
Standing Fan	180	1.6	110	10
Coffee Maker (high)	1200	10.9	110	1
Coffee Maker (low)	600	5.5	110	3
Microwave (high)	400	13.6	110	1
Microwave (low)	150	5.5	110	3
Refrigerator (high)	1500	3.6	110	4
Refrigerator (low)	200	1.4	110	12
Vacuum (high)	1500	13.6	110	1
Vacuum (low)	200	1.8	110	9
Space Heater (high)	1500	13.6	110	1
Space Heater (low)	750	6.8	110	2

Tip: These calculations are estimations and are meant solely for informational purposes. It is important to conduct proper power planning for each installation to prevent overloading a circuit.

Technology Components

▶Specifying, pages 230–232



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.

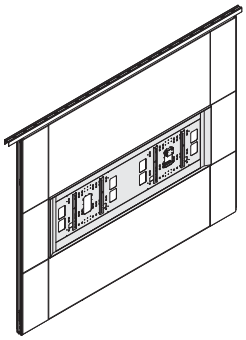
Optional camera shelf can be mounted above or below the monitor.

Product Details

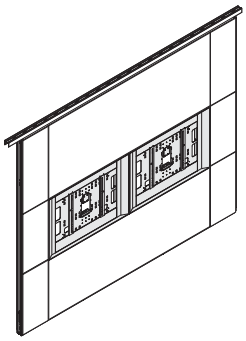
▶See *V.I.A. Planning Dimensions,* page 109, for important information regarding dimensional references for all V.I.A. components.

Monitor Shrouds

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

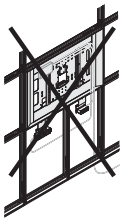


A double monitor shroud accommodates two monitors in a single shroud.

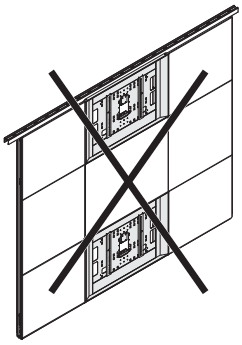


Single shrouds can be placed directly adjacent to one another.

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

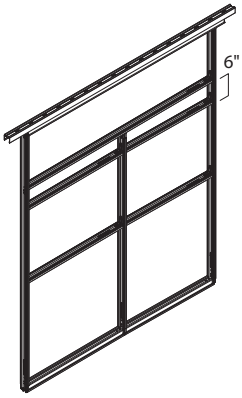


A post cannot be positioned under a shroud.

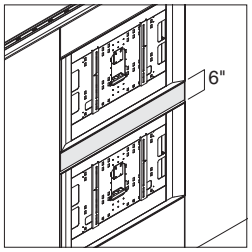


The monitor shroud cannot be positioned at the top or bottom position of the wall, for example, adjacent to the top or bottom structural horizontal.

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.

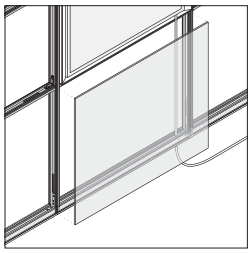
Monitor Shroud Planning Dimensions		Single/ Double	Monitor Diagonal Size Class	Monitor Width Minimum	Monitor Width Maximum	Monitor Height Minimum	Monitor Height Maximum
Width	Height						
34.5"	21.651"	Single	32"	25.26"	29.66"	12.90"	19.15"
42"	27.500"	Single	40-42"	32.76"	36.51"	18.79"	25"
48"	30.500"	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.

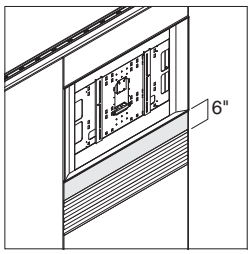
Monitor mounting brackets are included with the monitor shroud. The mounting brackets are compatible with the VESA (Video Electronics Standards Association) mounting interface standards, and will accommodate monitor hole patterns that follow this standard in the following sizes:

- 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.

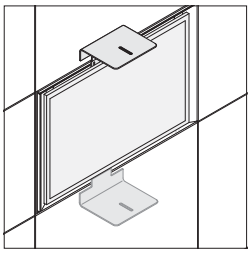
The optimal mounting height for a monitor will depend on:

- 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

minimum



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

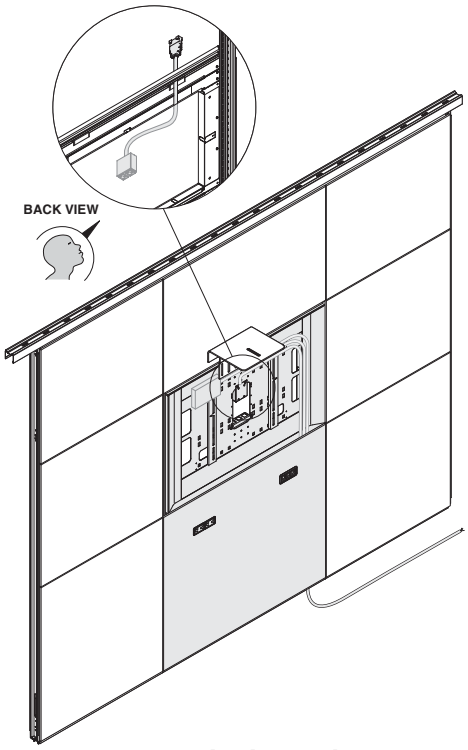
Tip: The recommended weight capacity of a camera shelf is 25 pounds.

Display monitors can be surface mounted to steel skins.

▶See *Hang-On Components,* page 100, for more information.

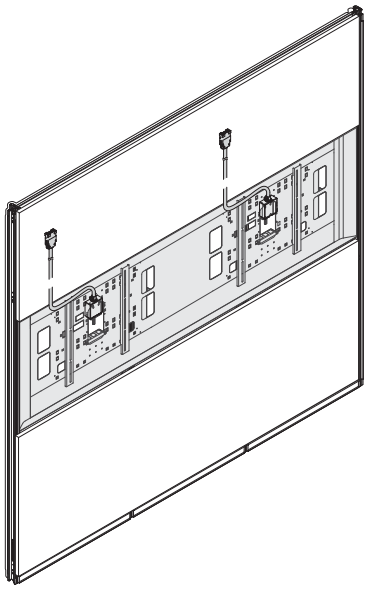
The camera shelf can be position anywhere along the top and bottom horizontal edge of the shroud.

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).

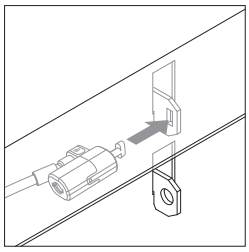
The modular power assembly is rated for 20 amps, and can be configured in any of three wiring schematics:

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

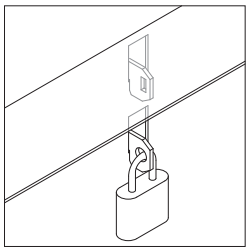
The power assembly connector is configured to connect to circuit 1.

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

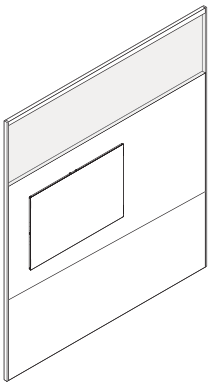
The shroud assembly will include fittings for security locks.

Surface Materials

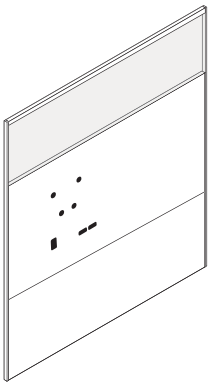
Monitor shroud

- 8043 Clear Anodized Aluminum
- Paint

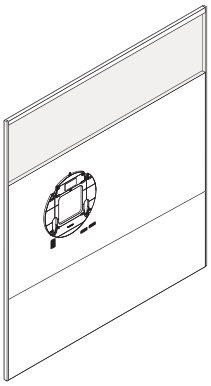
V.I.A. and Roam Single Wall Mount for Microsoft Surface Hub 2



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

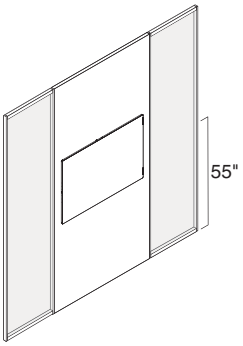


Solid skins can be specified with cutouts as required to support the application of the Surface Hub 2.



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.

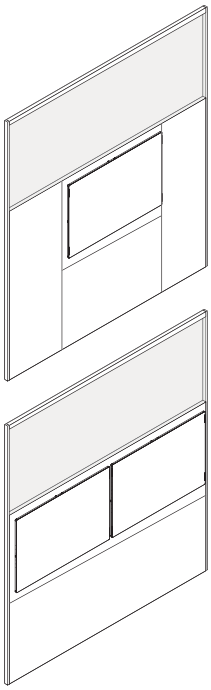
Surface Hub 2 can be applied to portrait or landscape oriented skins.

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 95

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.

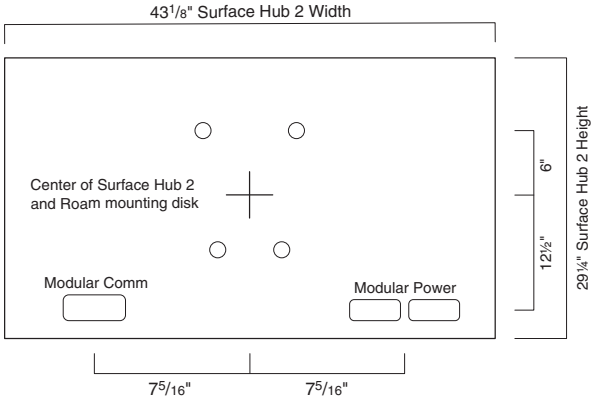
When mounted on V.I.A., the Surface Hub 2 does not project more than 4" from the surface of the wall, complying with building code guidelines for protrusion into the circulation path.

Existing skins can be field cut to retrofit a Surface Hub 2. New intermediate horizontals may be required for power and data cutouts.

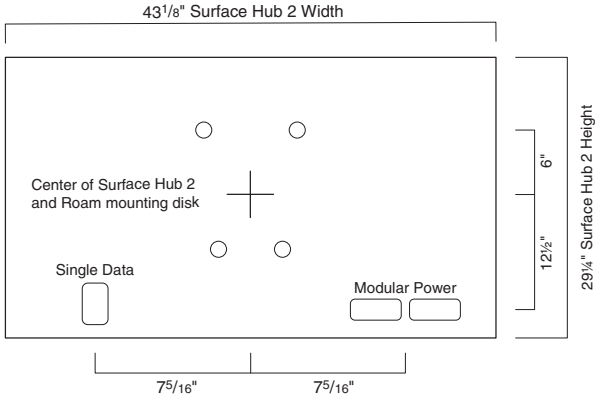
Tip: See configuration matrix for minimum skin sizes.

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.

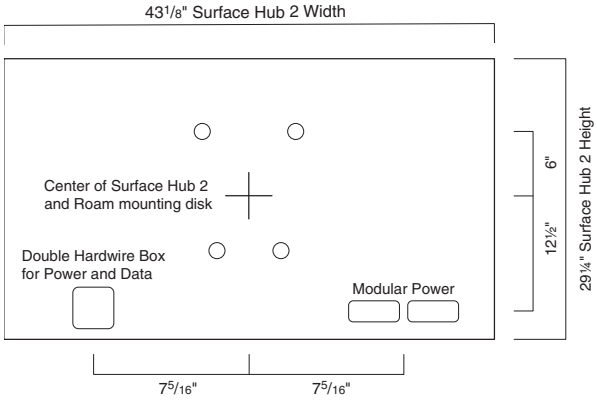
Power and data cutouts are positioned to be hidden by the Surface Hub 2.



Modular power and modular data

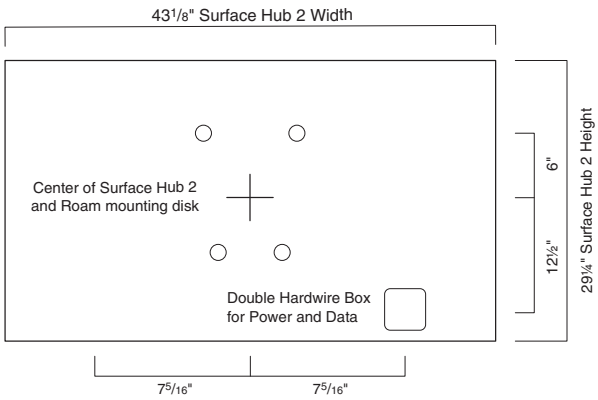


Modular power and single data – no box



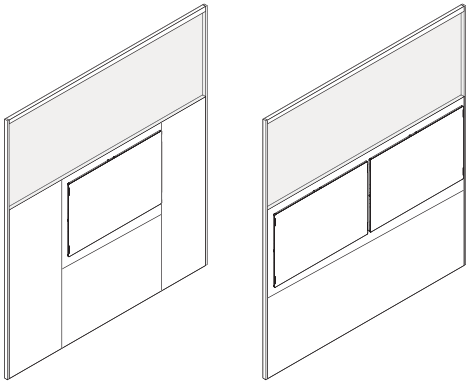
Modular power and double hardwire box

▶**Technology Components,** continued



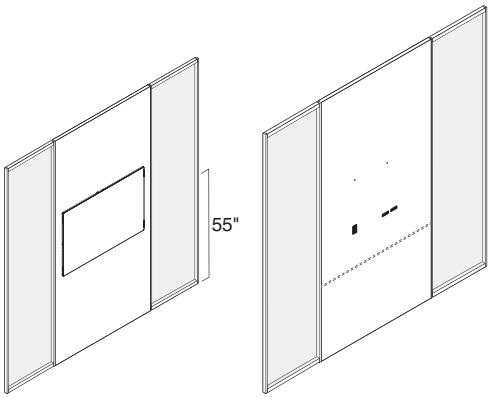
Double hardwire box for shared power and data

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

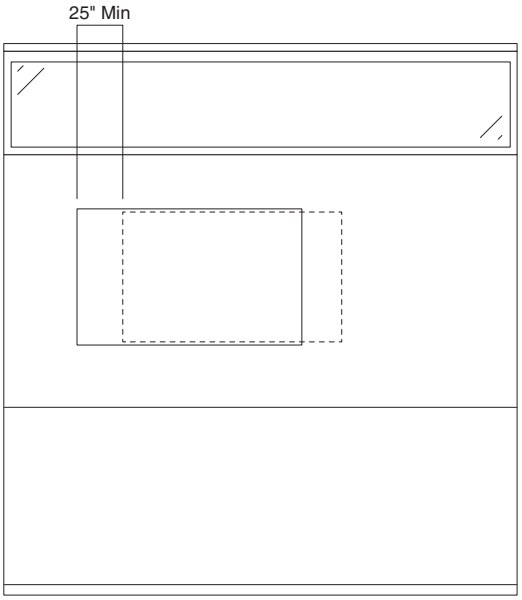


The minimum planning dimensions for skins with Surface Hub 2 cutouts vary based on skin type and Surface Hub 2 configuration.

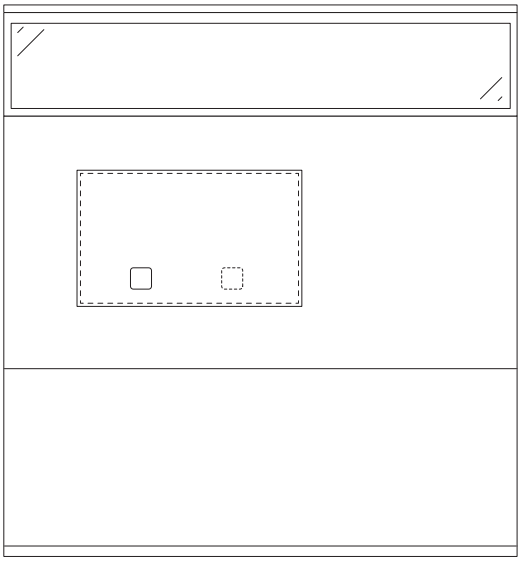
Skin Type	Surface Hub 2 Configuration	Minimum Plan Width	Minimum Plan Height
Steel and Laminate	Single	46"	36"
Veneer	Single	51"	42"
Steel and Laminate	Side by Side	89"	36"
Veneer	Side by Side	94"	42"



Intermediate horizontals are added as needed to accommodate electrical cutouts.

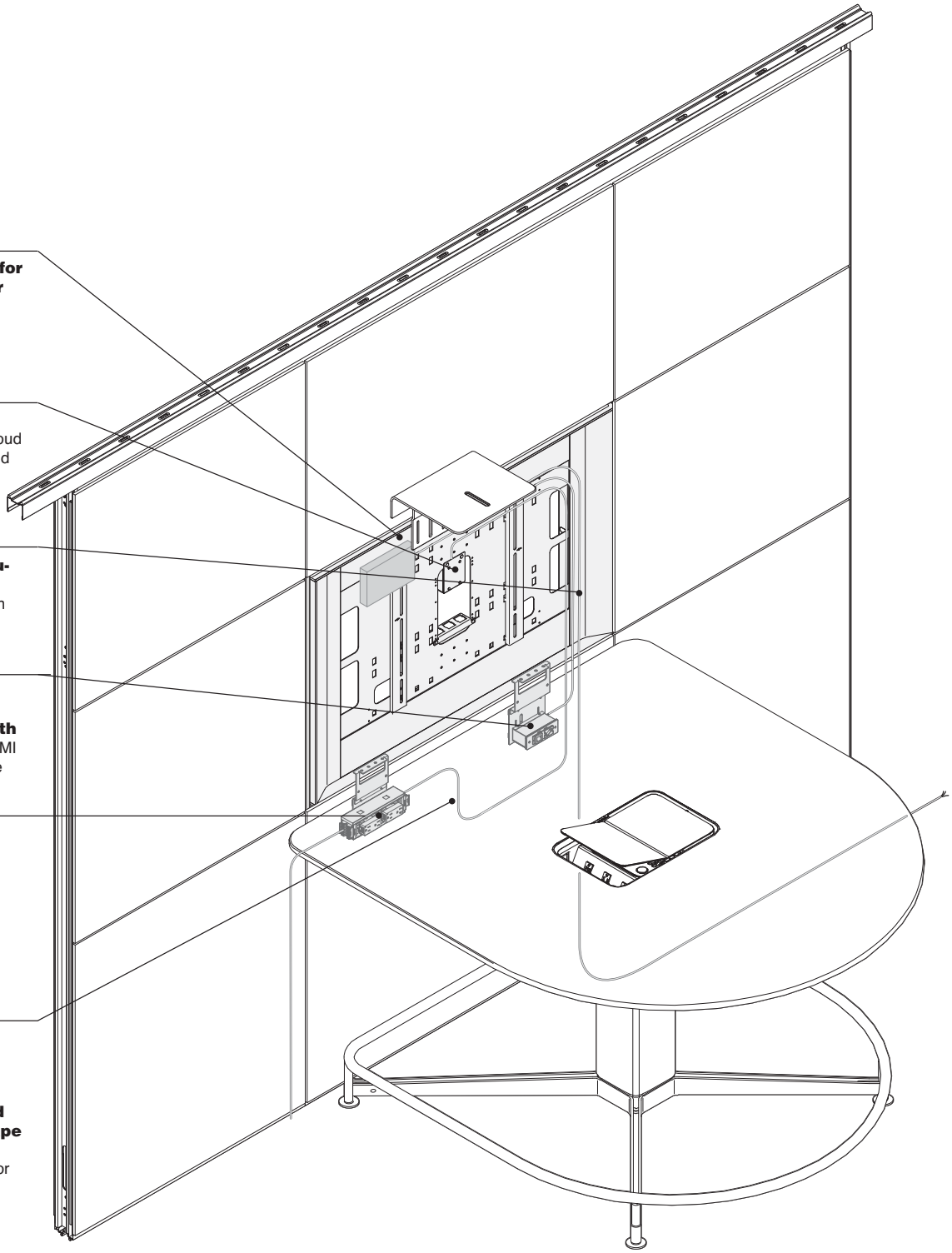


When positioning two of the Surface Hub 2 products with modular power on opposing sides of a wall, they must be offset by at least 25".



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

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.

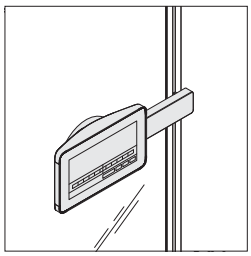
CODEC, if required, is installed in ceiling or switch closet.

Power assembly infeed for monitor shroud

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

V.I.A. and RoomWizard II

Product Details



The V.I.A. mounting bracket option is used for mounting RoomWizard II to captured glass frames.

The bracket is designed to be mounted to the flush side of a single glazed frame or to the side A of a double glazed frame.

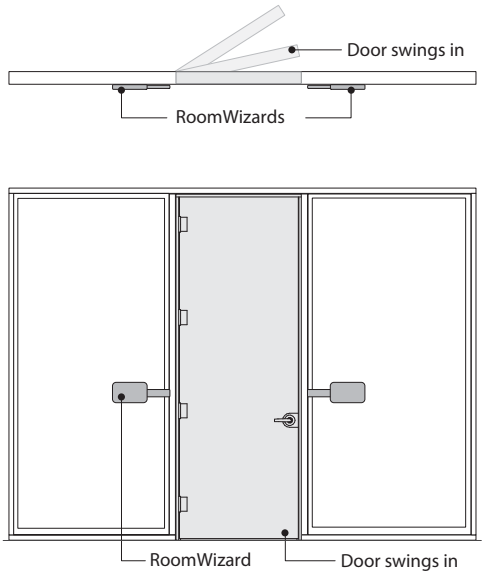
The power over ethernet (PoE) cable is routed through the structural post, either to the ceiling or floor. Cabling holes are cut by the installer.

PoE cable can also be routed through a utility panel.

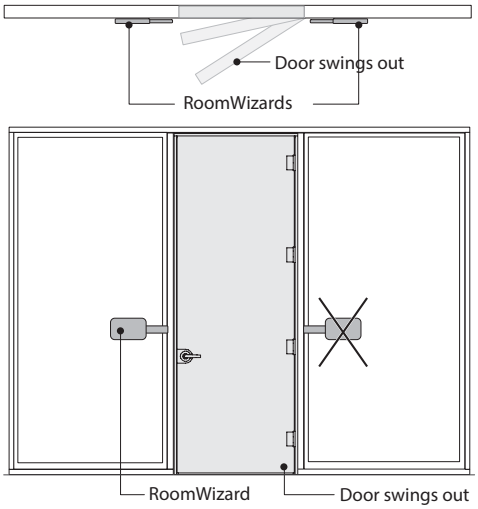
RoomWizard II can be mounted to solid skins or utility panels using standard mount or junction box mounting options.

Refer to the following drawings to ensure that brackets are positioned properly when mounting adjacent to a door frame. ▶See *Meeting Spaces Specification Guide* for more information related to RoomWizard II

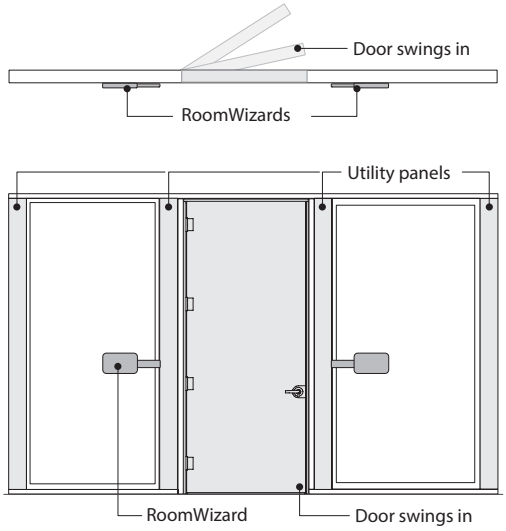
Utility panels can be positioned as shown to simplify the cable routing process and to provide adequate spacing between the slider door jamb and the mounting bracket.



Reversible door
Swings in

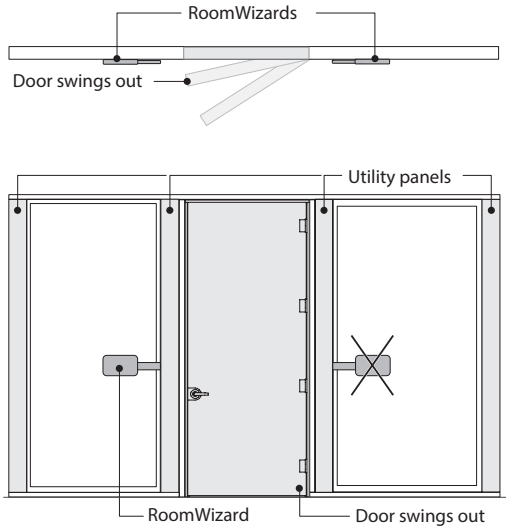


Reversible door
Swings out



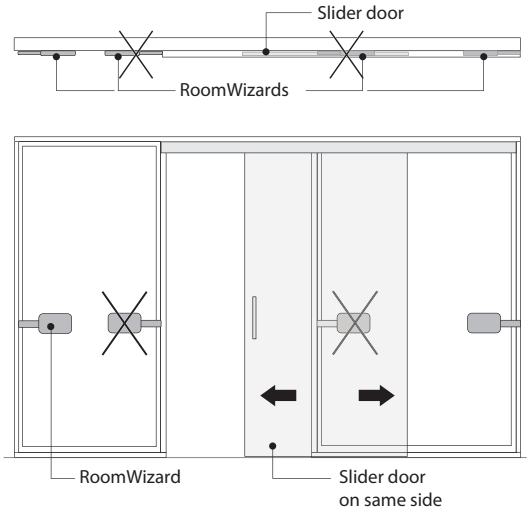
Reversible door with utility panel

Swings in



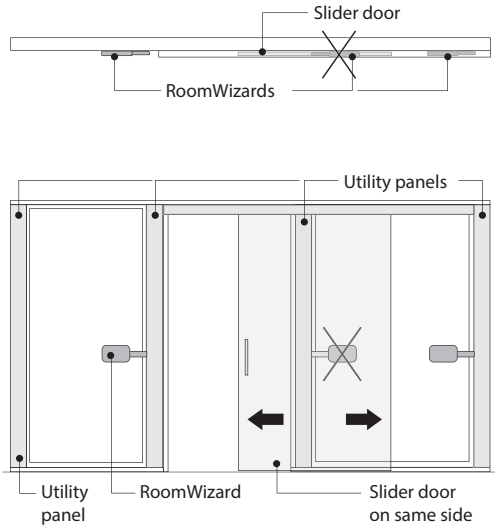
Reversible door with utility panel

Swings out



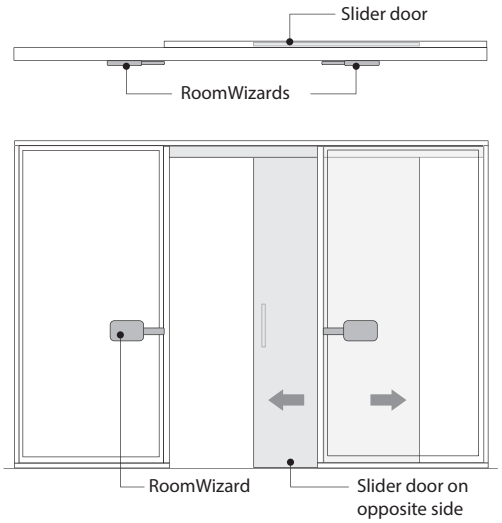
Slider door

on same side as RoomWizard II



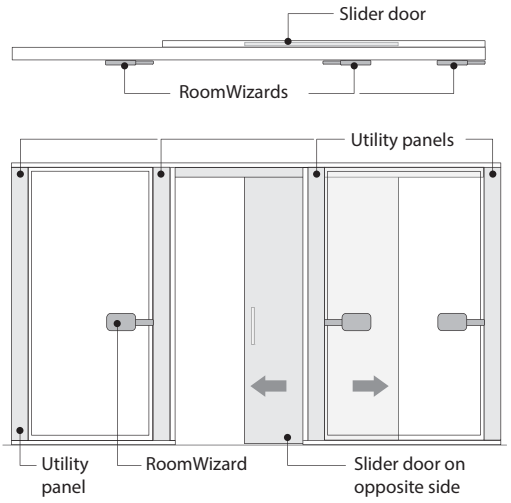
Slider door with utility panel

Door on same side as RoomWizard II



Slider door

on opposite side as RoomWizard II

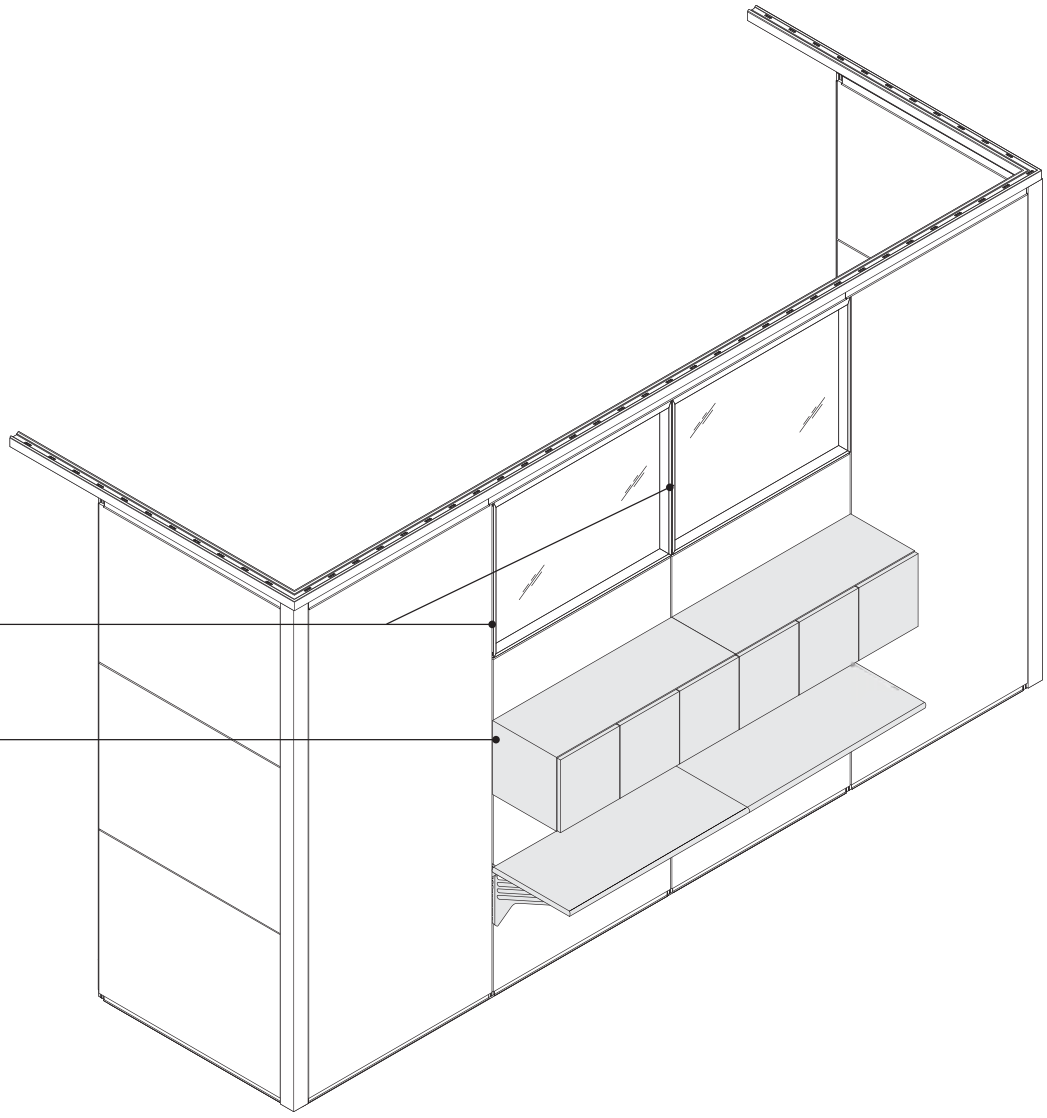


Slider door with utility panel

Door on opposite side of RoomWizard II

Hang-On Components

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

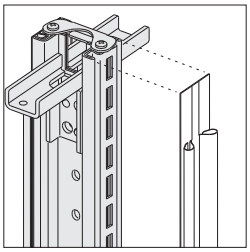


Posts that support hang-on components must extend to the ceiling.

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 109, for important information regarding dimensional references for all V.I.A. components.

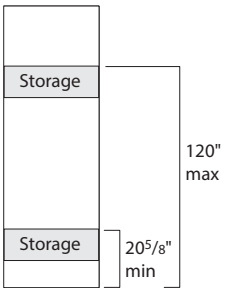


V.I.A. posts are slotted to receive brackets for hang-on storage components.

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.

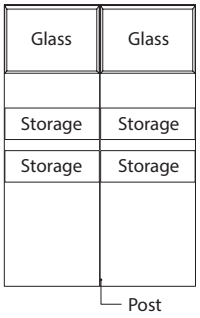
A maximum of five components can be loaded per side of each module.



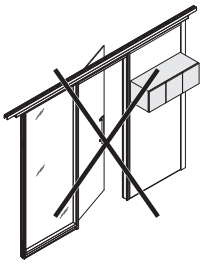
Components can be mounted at any vertical position on the wall between 120" and 12 3/8" AFF (Above Finished Floor), at increments of 1.03". The minimum height will depend on the height of the cabinet.

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"
c:scape Mid Storage – Tall	18 11/16"
c:scape Mid Storage -– Slim	12 1/2"
Elective Elements - Single-High Overhead Cabinets	18 11/16"
Elective Elements - Organizer	11 1/8"

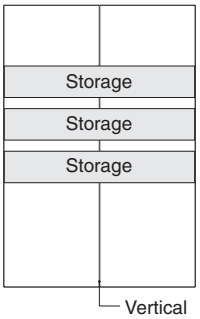
When planning with V.I.A. on low profile floor, wall-mounted components cannot be mounted on the wall due to load limitations on the floor.

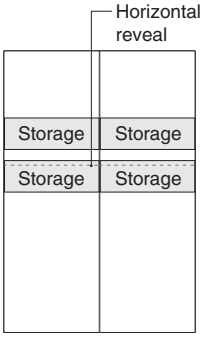


Posts that support hang-on components must extend to the ceiling.

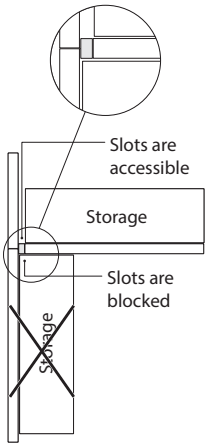


Hang-on storage components should not be mounted in a wall with a door frame (reversible or sliding).

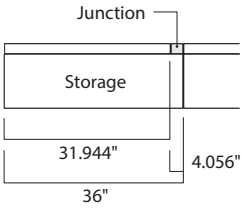




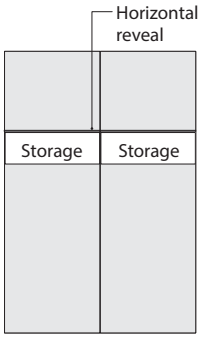
Hang-on components, except for Elective Elements, can span vertical reveals. All components can span horizontal reveals.
Tip: When planning for Elective Elements hang-on components, the skin width should be the same dimension as the component width.



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

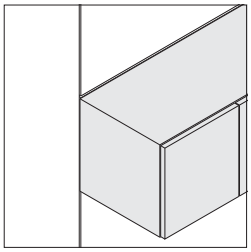


Hang-on components can span junctions. Allow for 4.056" when planning for the adjacent skin width.

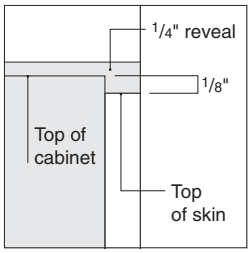


When using segmented skin configurations, skins can be planned so that the reveals will orient to the top of the hang-on unit.

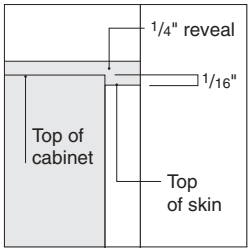
When mounting two or more cabinets side by side, ganging straps are required.



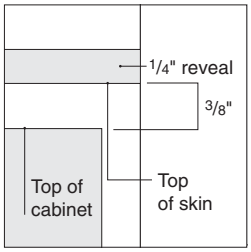
Universal Sliding Door Bins with sliders, Over the Case Bins, In the Case Bins, c:scape tall and slim storage, and Elective Elements bins will align exactly with the top of the skin. Other components will be offset slightly.



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:

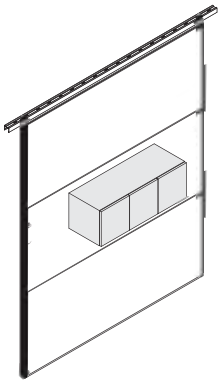
- Universal Sliding Door Bin
- Universal Sliding Door Bin —Wood
- Universal Over the Case Bin, Flat
- Universal Over the Case Bin, Radius
- Universal In the Case Bin, Flat
- Universal In the Case Bin, Flat —Wood
- Universal Curved Front Bins with Steel and Wood Doors
- Universal Vertical Off-Module Bracket
- 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)
- c:scape Tall Storage
- c:scape Slim Storage
- Wall-Mounted Folio

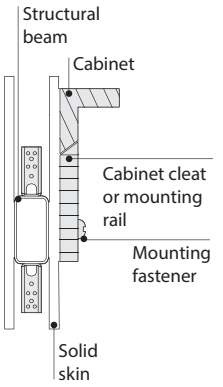
▶See corresponding specification guides for further information.

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 146

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.

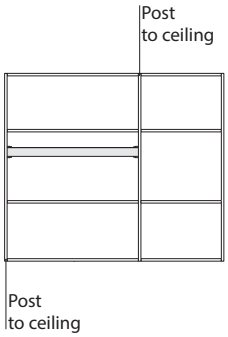
Structural beams are used when mounting Convey suspended cabinets.

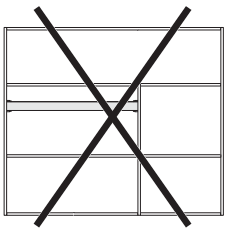
▶See *Steelcase Health Specification Guide Volume 2.*

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".





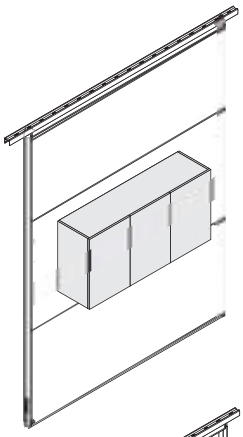
Posts that support a structural beam must extend to the ceiling.

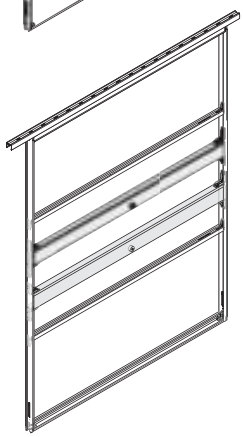
Structural beams can be used to mount onto steel, laminate, or veneer skins.

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.





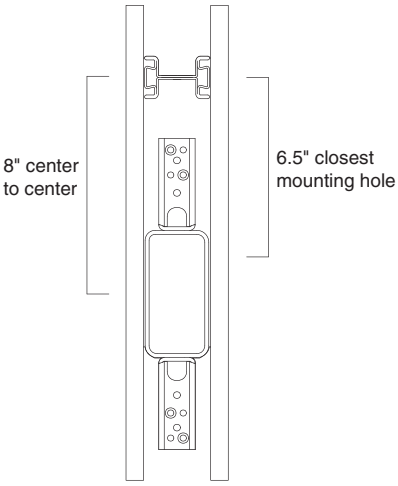
When the cabinet requires two mounting rails, two structural beams must be used accordingly.

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

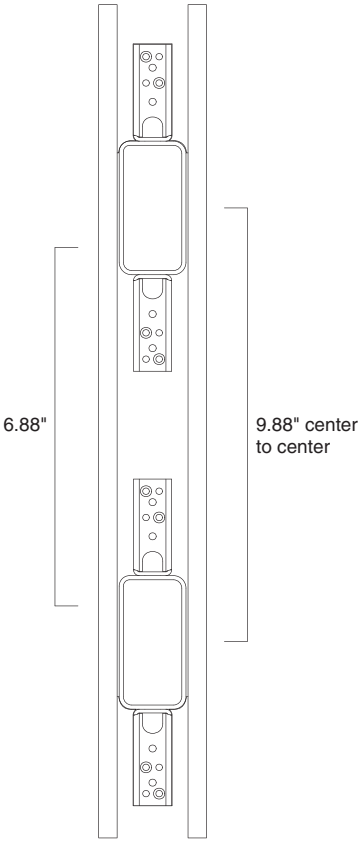
Cabinets can be mounted from both faces of a structural beam.

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

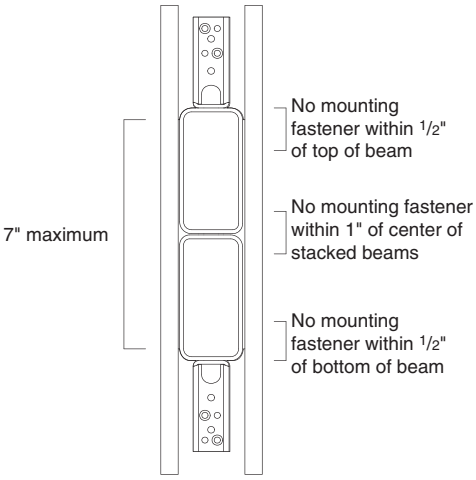
Structural beam can be no closer to the ceiling than 13.5" (to centerline of beam).



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".

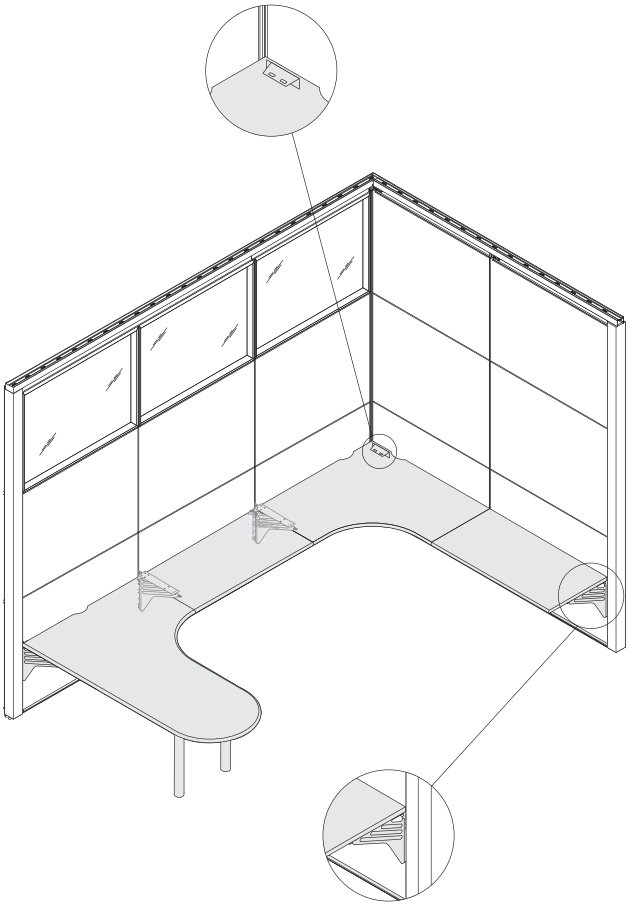


When mounted individually, two structural beams can be positioned no closer than 9.88" to one another (center to center). The fastening points for the mounting rail can be no closer than 6.88".



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

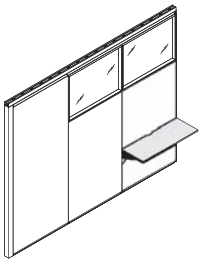


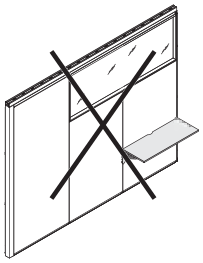
V.I.A. compatible cantilever brackets (VUCANT) and side support brackets (VUSSBR) are specifically designed to integrate with V.I.A.'s post and reveal. Universal worksurfaces can be mounted to V.I.A. walls using these supports.

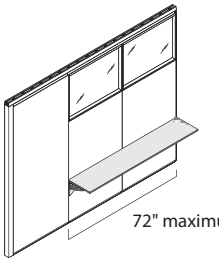
▶See the *Answer Solutions Specification Guide* for a full listing of available worksurfaces.

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

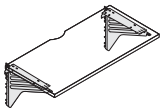
V.I.A. walls do not require the use of return panels to properly support wall mounted worksurfaces.



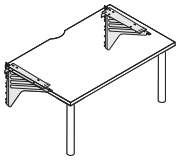




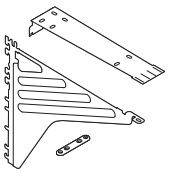
V.I.A. posts which support worksurface brackets must extend to the ceiling.



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.

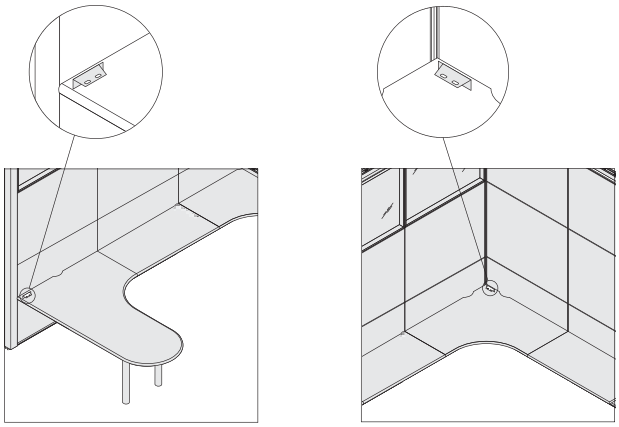


30" deep worksurfaces: In addition to cantilevers, straight and transition worksurfaces require additional floor support along the front edge at each end, such as side support brackets, pedestal, or post leg.

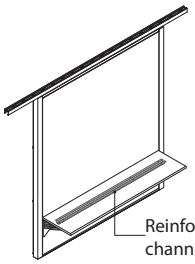


Cantilevers support worksurfaces at any height in 1" increments. Cantilever is non-handed and can be used to support either end of a worksurface, or shared to support two worksurfaces at the same height simultaneously. One tie plate ships with each cantilever.

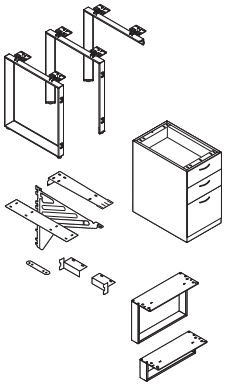
Side support brackets support worksurfaces at any height in 1" increments. Brackets ship as a left-hand and right-hand pair and are ordered separately.



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.

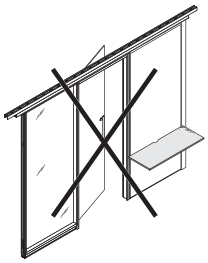


Long worksurface spans must be supported with cantilevers, pedestals, legs, or other supports at least every 54". Reinforcing channel (TS7WKSPT) allows the distance between supports to be increased to 60" for worksurfaces that will be heavily loaded, or up to 72" for worksurfaces with lighter expected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

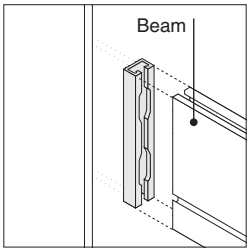


In addition to wall supported applications with cantilevers and side supports, worksurfaces can also be positioned adjacent to V.I.A. walls by specifying other components such as:

- 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).



Post and Beam attachment kit is available to connect a beam to a V.I.A. wall at a vertical reveal. It can be used adjacent to any skin type, glass frame, or door frame. The Post and Beam kit cannot be surface mounted to a skin or junction cover. The attachment kit can only be used for high beam applications, not fence height applications.

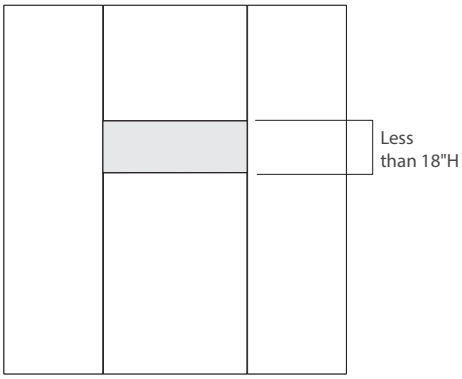
In certain sizes and configurations, display monitors can be surface mounted to solid skins (steel, laminate, or veneer) without the need for internal reinforcement. The following guidelines are based on an overall monitor projection of 4" or less.

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.

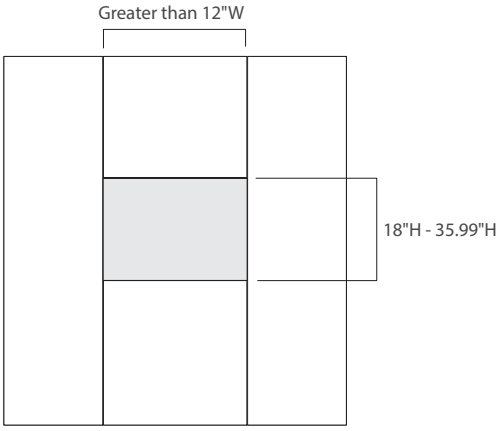
Monitor Maximum Weight			
Skin Height	**Skin Width Restriction**	**Maximum Monitor Weight**	**Classification of Monitor Mounting Brackets**
6"–17.99"	N.A.	N.A.	N.A.
18"–35.99"	Must be > 12"	50 lb	50 lb or less
36"–120"	36"–120"	150 lb	150 lb or less

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

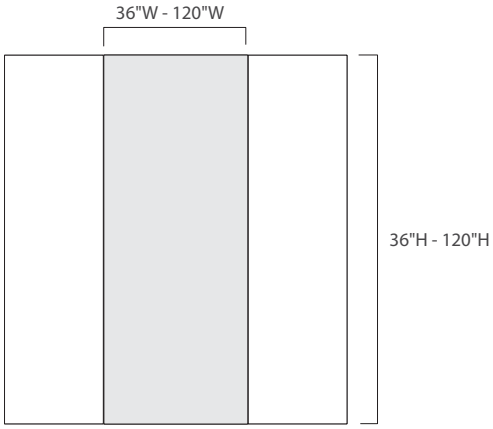
Mounting bracket should not be positioned closer than 6" to edge of skin.



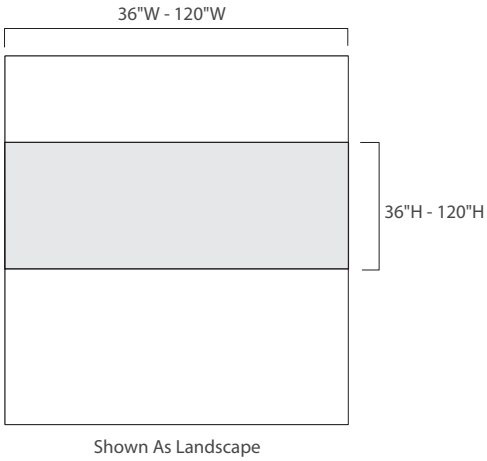
If skin height is less than 18"H, no surface mounting is allowed.



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

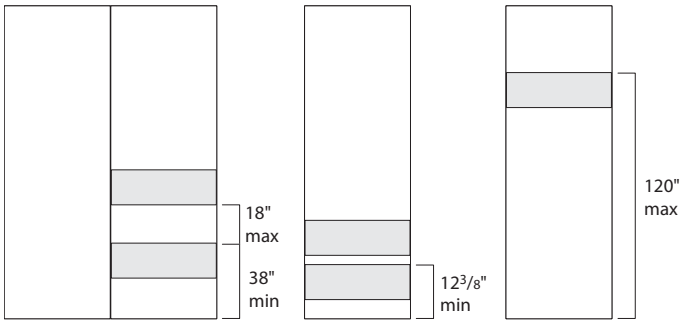


If skin height is 36"H-120"H and width is 36"W-120"W, surface mounting is allowed up to 150 pounds.



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

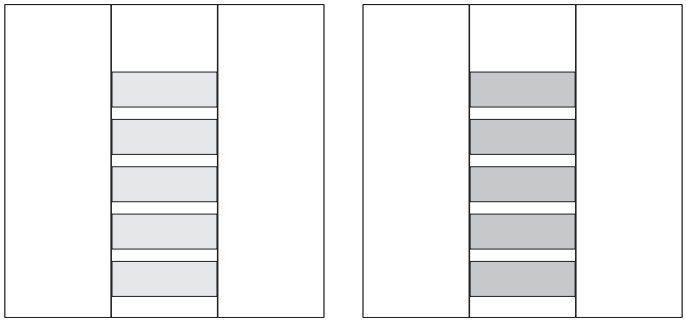
Loading and Stability Guidelines

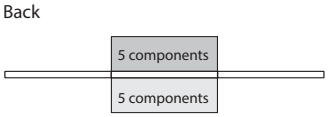


A cabinet cannot be positioned below 38" unless there is a cabinet above it within 18".
Minimum mounting height is dependent on cabinet type.
▶See *Hang–On Components,* page 80

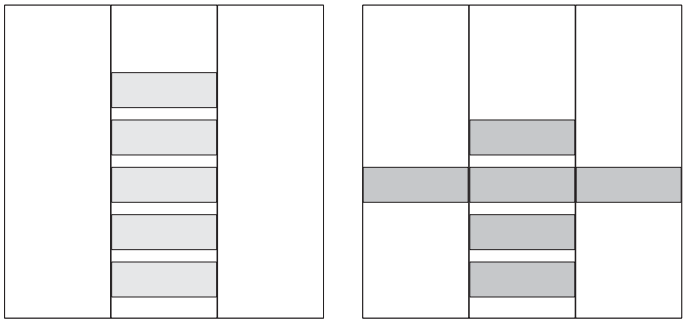
Tip: No more than ten components, storage or worksurfaces, can be loaded on a single post.

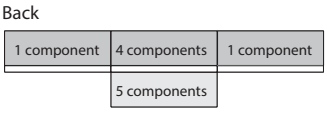
Example 1:



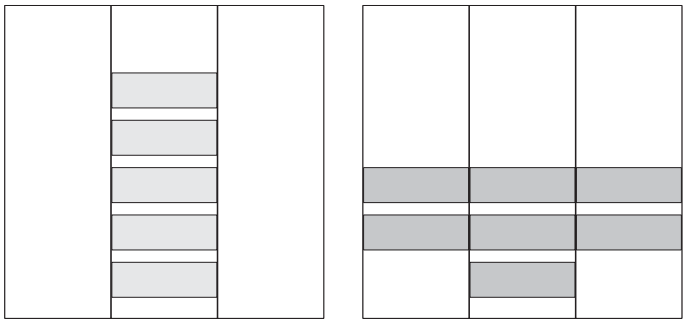


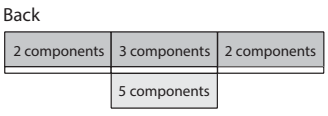
Example 2:





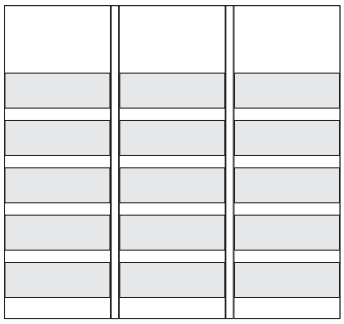
Example 3:



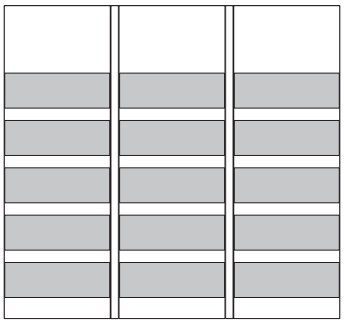


Tip: The maximum hang-on capacity on a given wall can be increased by using 180° junctions between modules to reduce the load on each post.

Example 1:



Front



Back

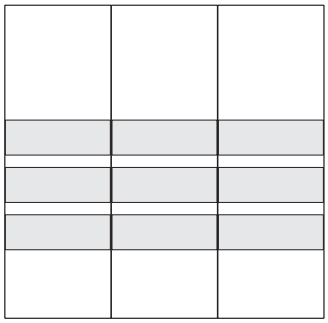
Back

5 components	5 components	5 components
5 components	5 components	5 components

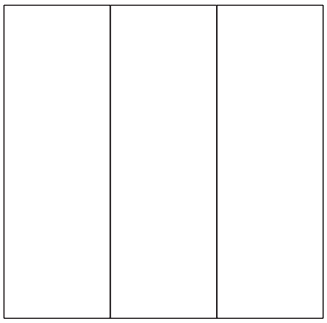
Front

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



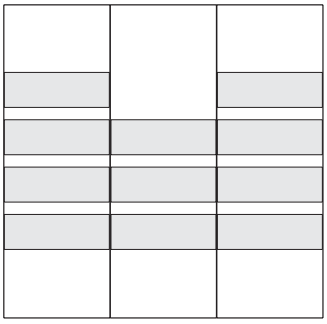
Back

Back

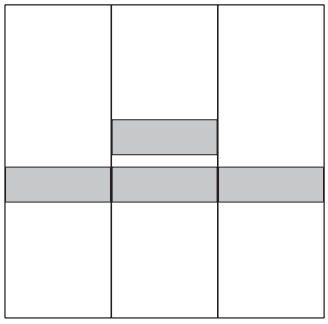
3 components	3 components	3 components

Front

Example 2:



Front



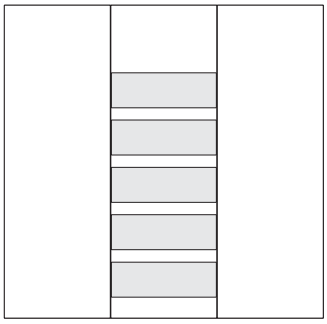
Back

Back

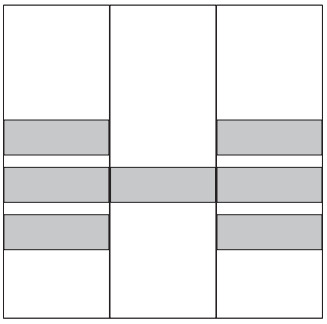
1 component	2 components	1 component
4 components	3 components	4 components

Front

Example 3:

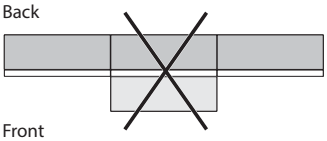


Front



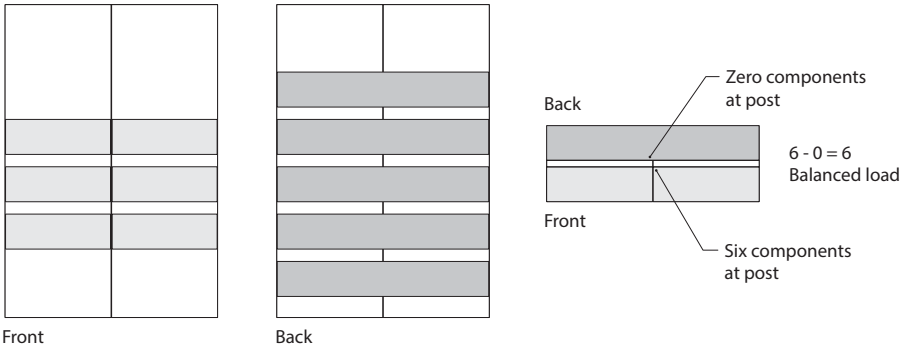
Back

Back

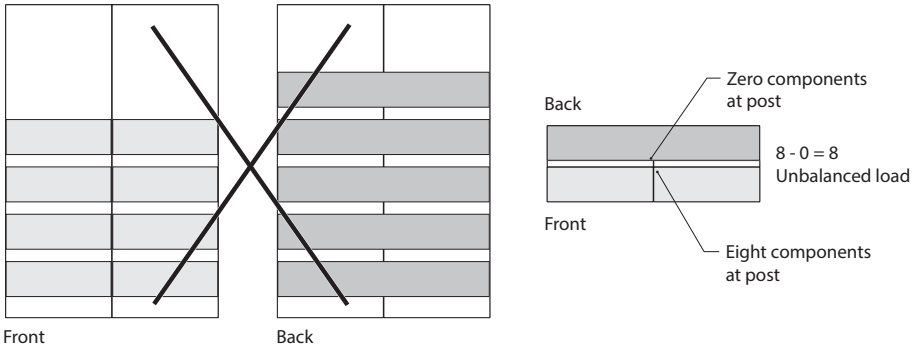


Front

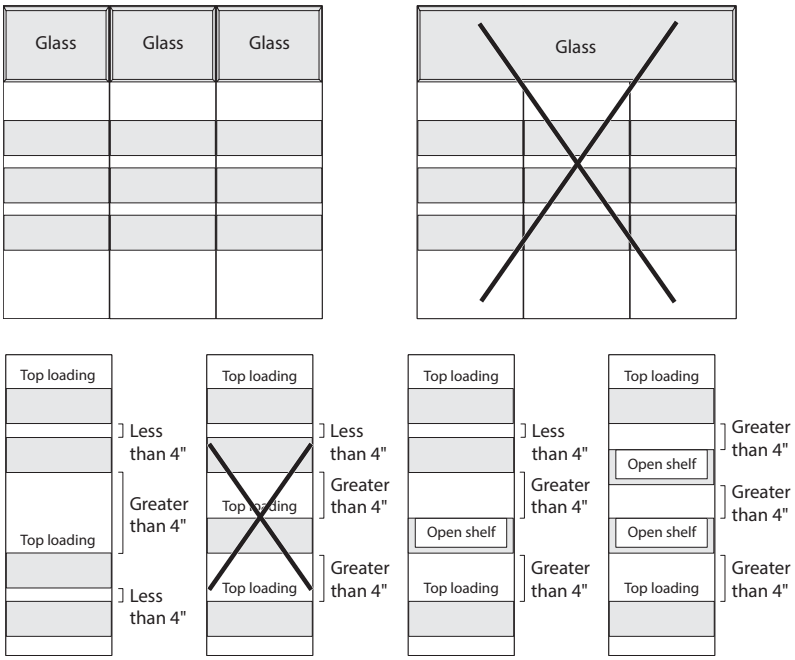
Example 4:



Example 5:



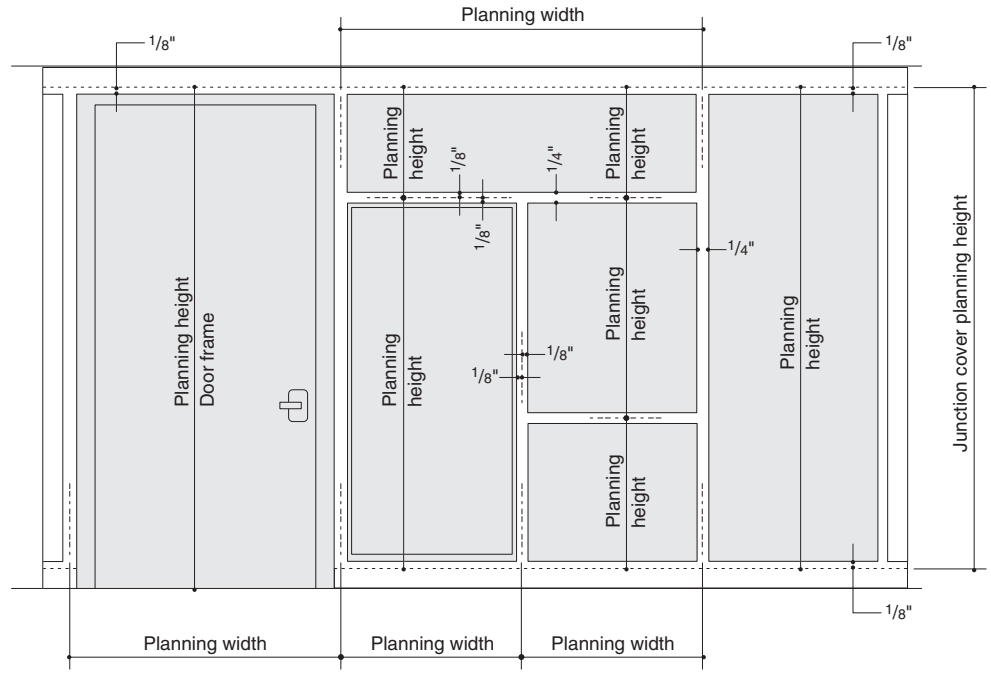
Tip: Posts that support hang-on components must extend to the ceiling.

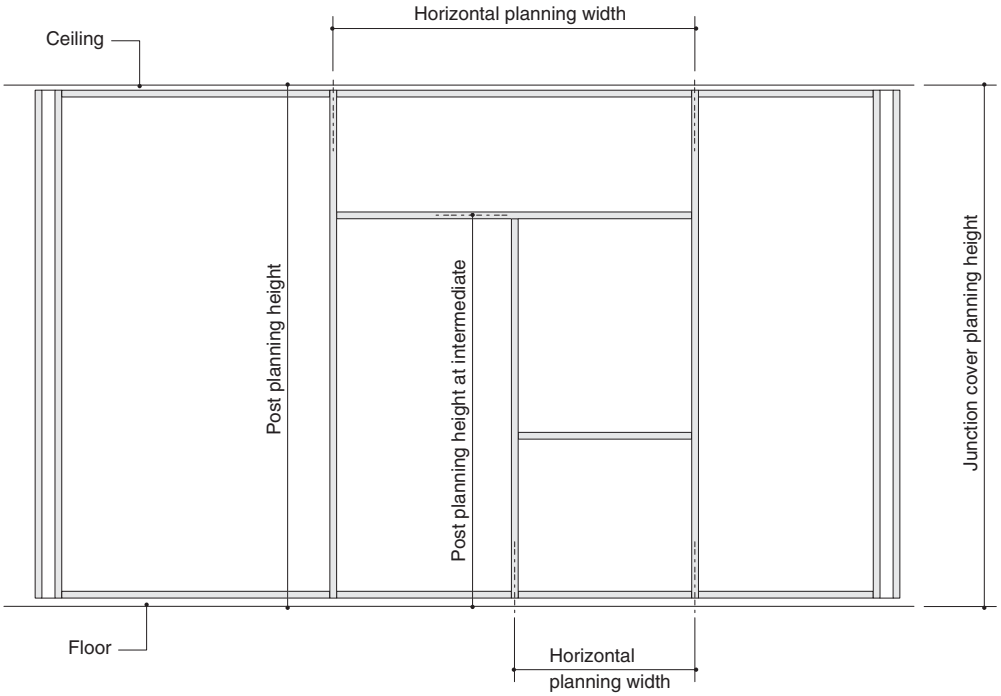


When planning for hanging cabinets with closed tops, no more than two cabinets can be positioned to allow for top loading. Cabinets must be within 4" of each other to limit top loading.

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.

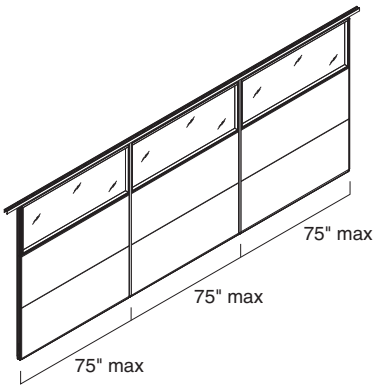




Planning with Landscape Oriented Components

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

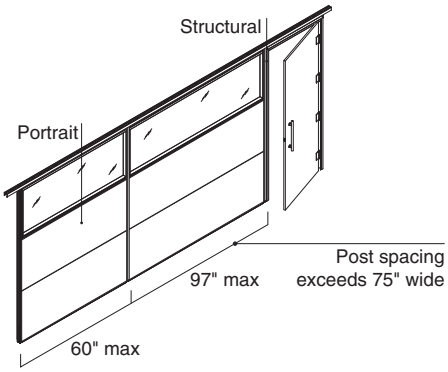
As part of a landscape oriented wall application, planning modules with posts that are positioned no more 75" apart can be applied without any limitation consideration as related to the need for primary structural assemblies or wall length.



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 115.*



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 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 provide support as applied to landscape planning guidelines.

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

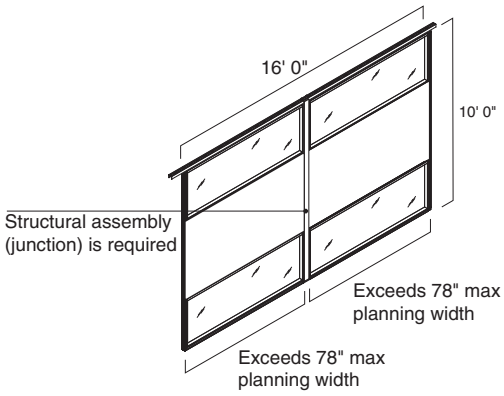
When skins or captured glass frames are more than 60" wide, they are considered to be in landscape orientation.

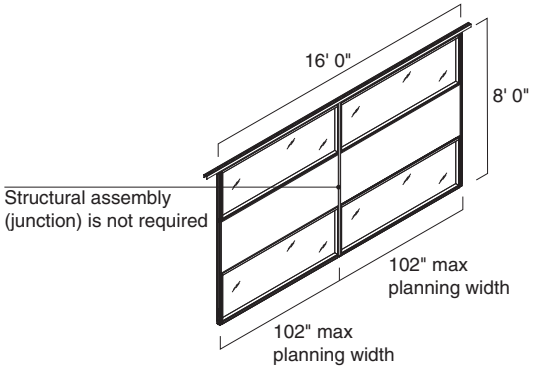
The maximum width of a landscape oriented skin or captured glass frame, and the manner in which in can be configured with other components within a wall assembly, are influenced by:

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

Maximum allowable planning width increases as ceiling heights decrease.

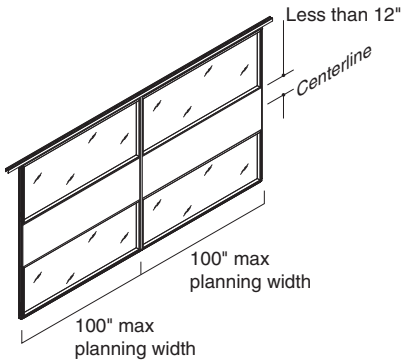
These two examples show how the maximum allowable planning width will increase as the ceiling height decreases from 10'-0" to 8'-0".

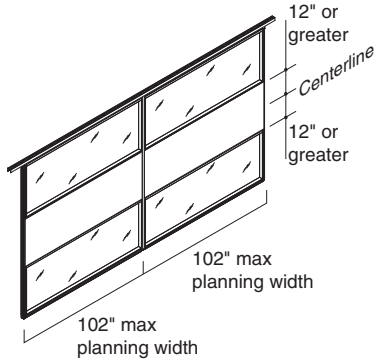




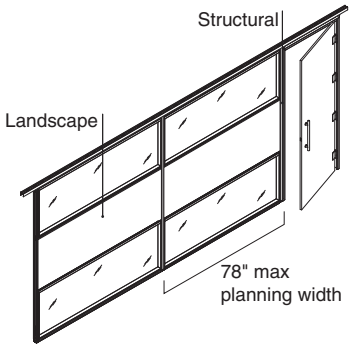
Maximum allowable planning width decreases if intermediate horizontals are positioned within 12" of the centerline of the wall.

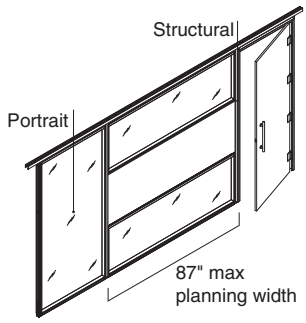
These two examples show how the maximum allowable planning width will increase as intermediate horizontals change position.





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.

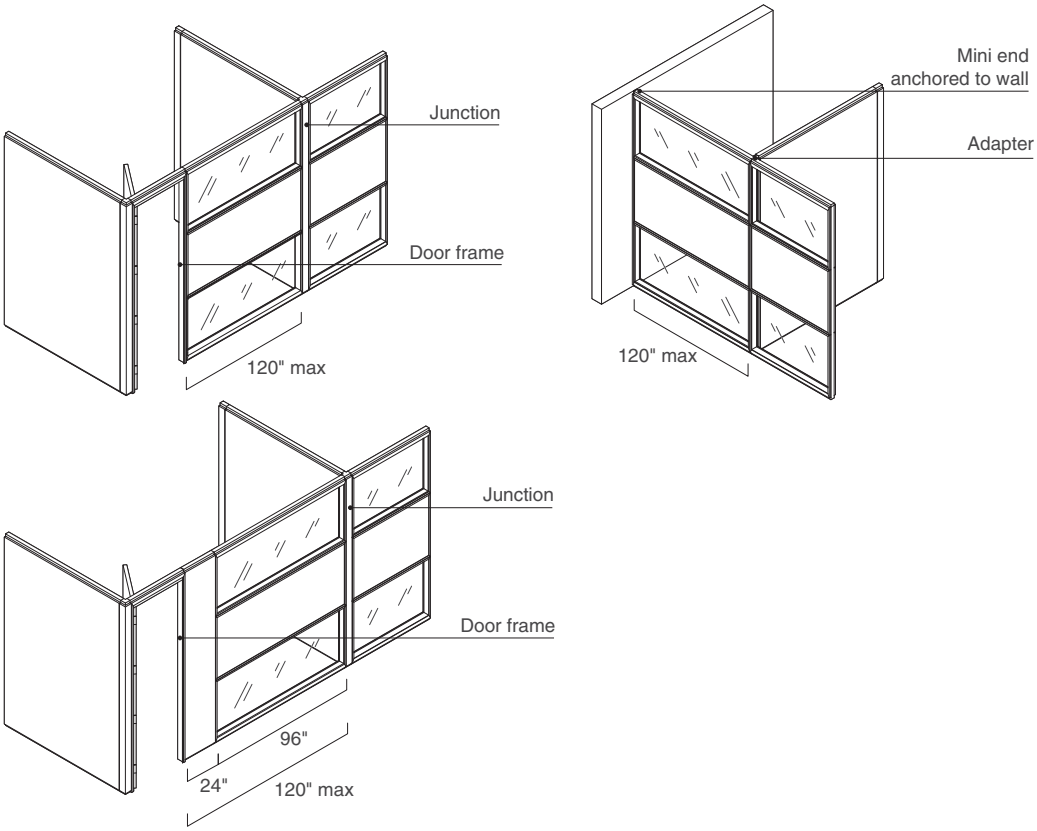




When two posts are more than 75" apart, they must fall within the landscape planning guidelines as outlined below.

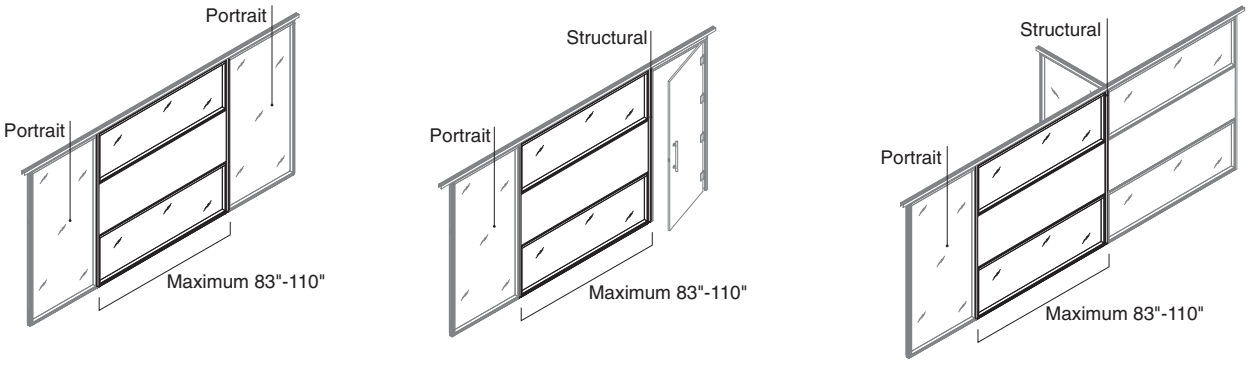
Planning Within Spans No Greater Than 120" Wide

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.

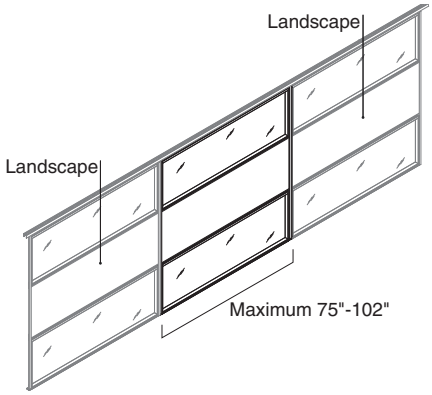


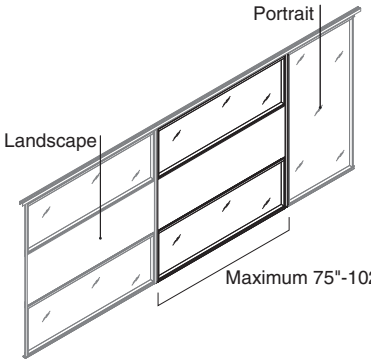
Landscape modules can be placed within spans where primary structural assemblies are greater than 120" apart if they are configured as shown below, with maximum planning widths as defined in the *Landscape Planning Matrices*, see page 115.

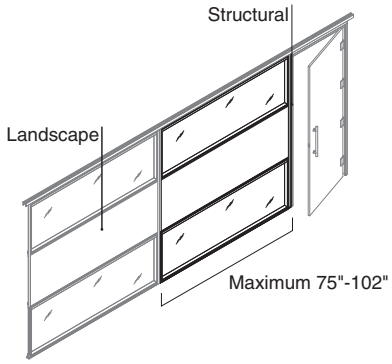
Portrait and/or Primary Structural Assembly at Each Edge



Landscape Module at Either or Both Edges

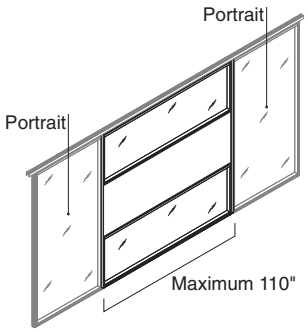


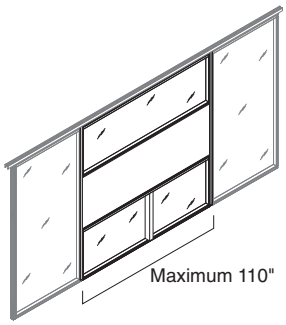




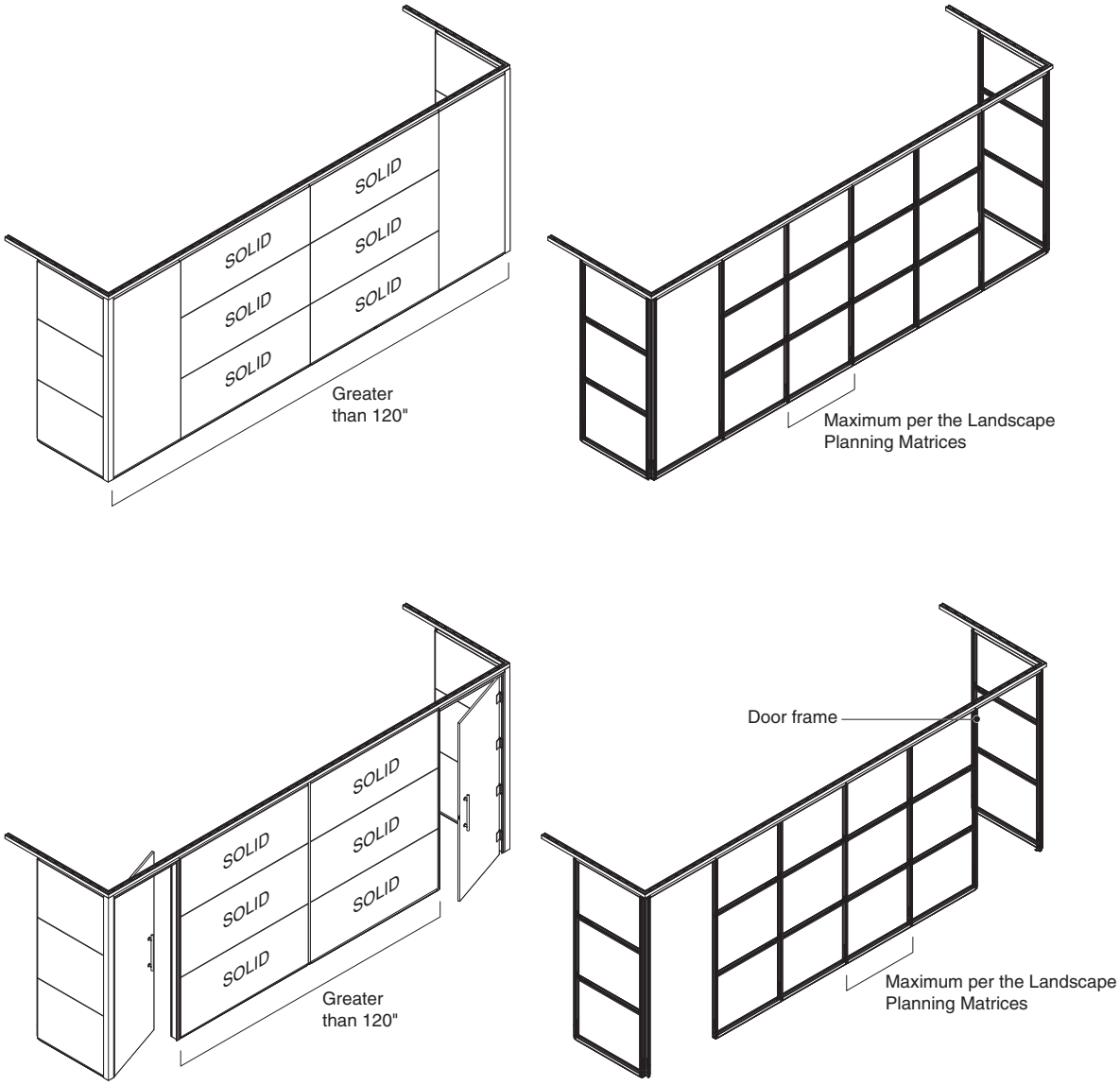
Primary structural assembly:
- Junction (angle or 180°)
- Adapter
- Bypass
- Door frame (reversible or slider, full height or transom height)
- Mini end (anchored)
- Finished end

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





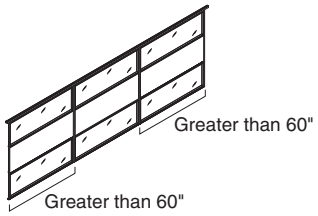
Tip: Adding an intermediate height post does not increase the maximum width of the landscape frame.

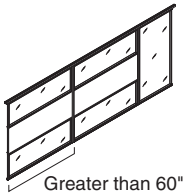


Planning per these guidelines ensures that solid walls will meet IBC structural criteria for transverse loads per ASTM E72.

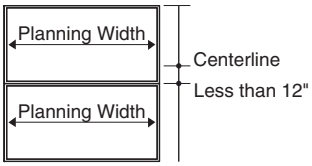
Landscape Planning Matrices

Either or Both Adjacent Modules Are Landscape

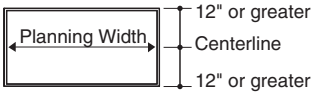




Intermediate Horizontal:
Any horizontal is closer than 12" to centerline

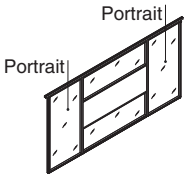


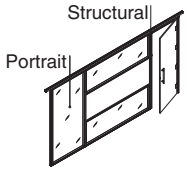
Intermediate Horizontal:
No horizontal is closer than 12" to centerline

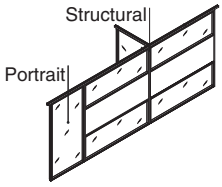


Ceiling Height	Maximum Planning Width	Maximum Planning Width
96"	100"	102"
102"	94"	99"
108"	88"	92"
114"	82"	85"
120"	75"	78"

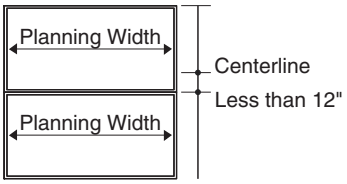
Both Adjacent Modules Are Either Portrait Oriented Primary Structural Elements



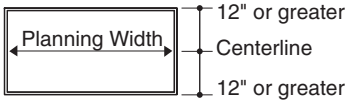




Intermediate Horizontal:
Any horizontal is closer than 12" to centerline



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 112

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 46, for more information about acoustic related components and planning guidelines for different skin configurations.

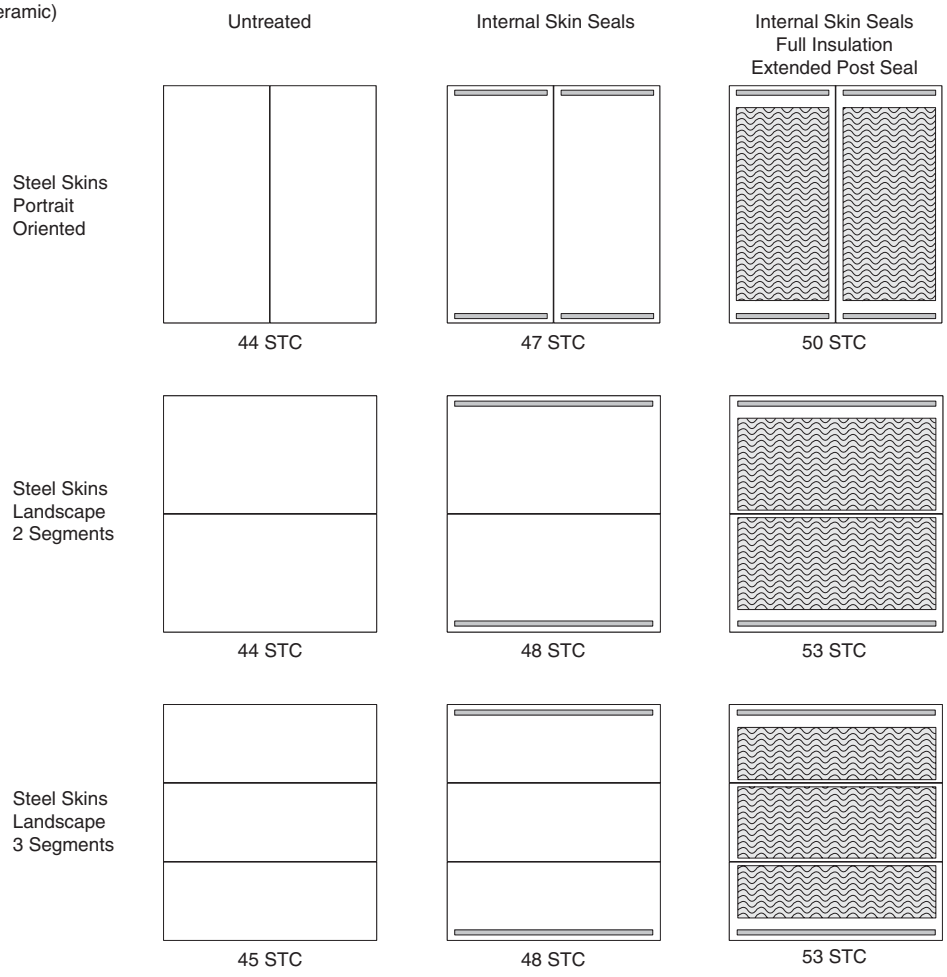
Adding insulation to mini-end assemblies does not improve acoustic performance.

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.

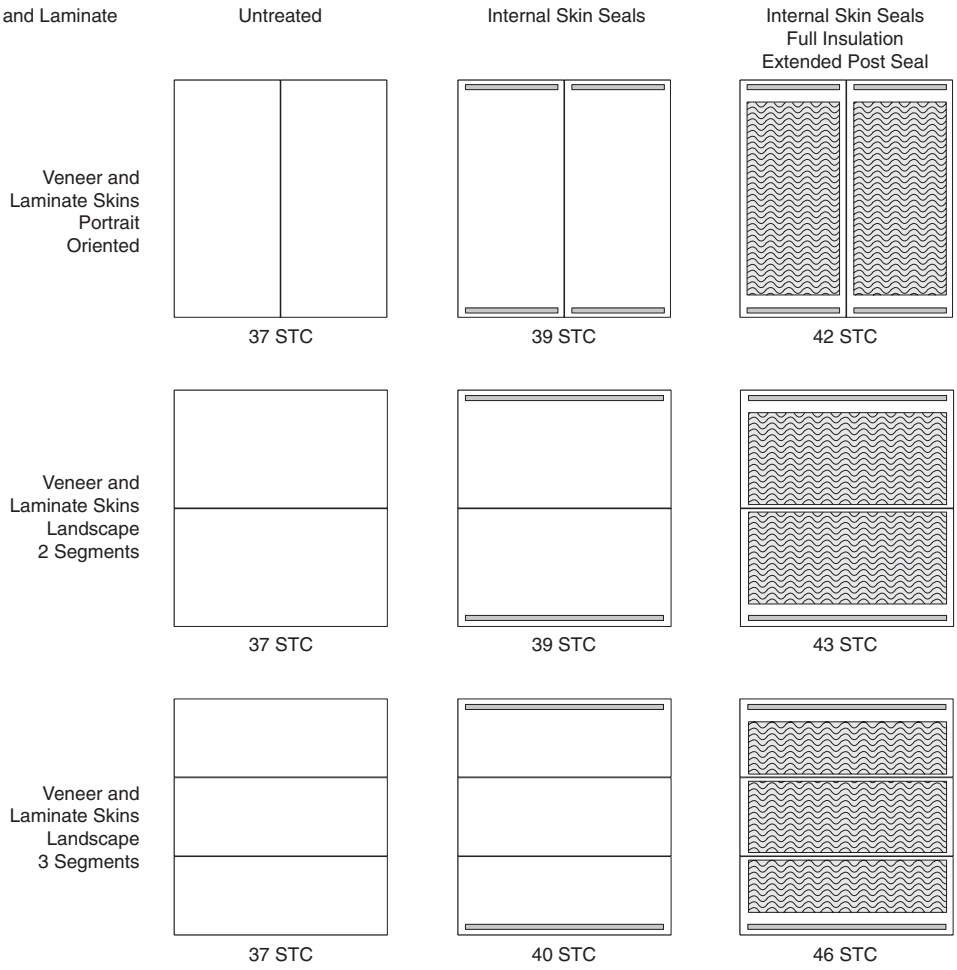
When considering markerboard solutions, keep in mind that ceramic skins will provide better STC performance than back-painted glass.

STC Performance–Solid Walls
Steel Skins (paint, fabric, and ceramic)



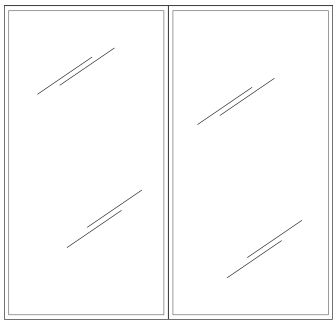
**STC Performance–
Solid Walls**

Veneer Skins and Laminate

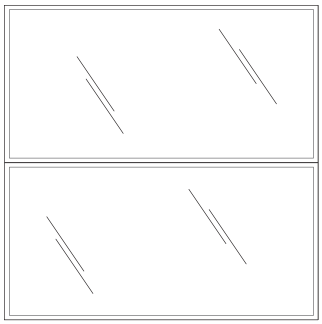


Combining steel and veneer skins on opposite sides of the same wall will improve these veneer results by two to four STC points depending on configuration.

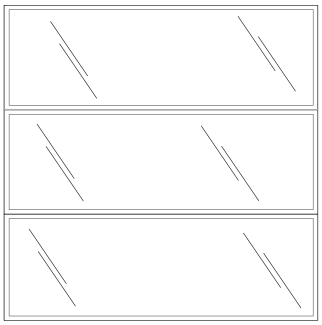
Tip: Adding insulation to mini-ends does not improve acoustic performance.



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

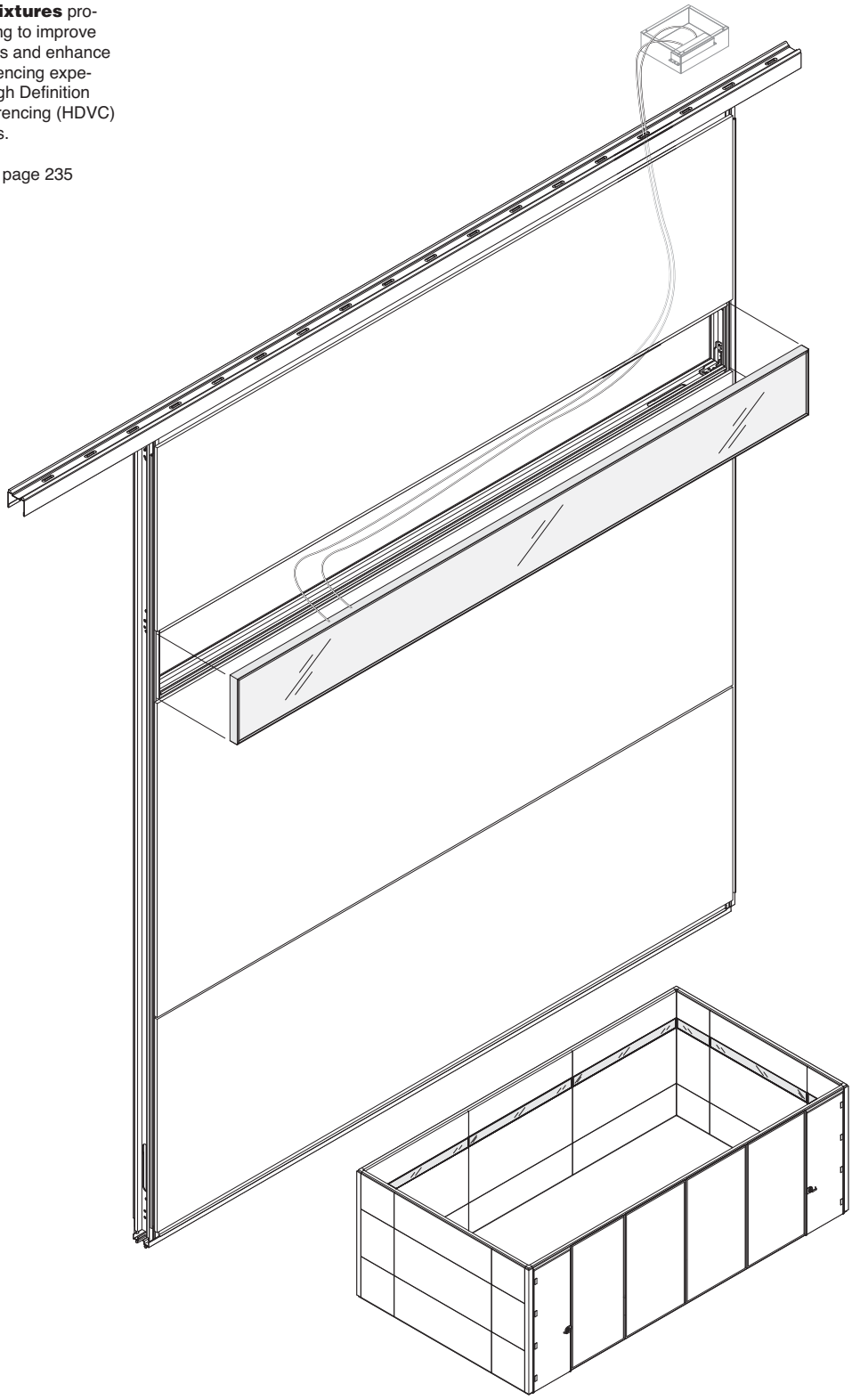
Using acoustic glass frame seals (FEFRCGSA) on single glazed frames will not improve STC performance.

STC = Sound Transmission Coefficient

Lighting

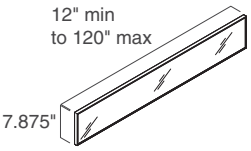
LED light fixtures provide fill lighting to improve facial features and enhance video conferencing experiences in High Definition Video Conferencing (HDVC) environments.

▶Specifying, page 235

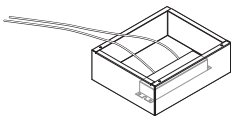


Product Details

▶See *V.I.A. Planning Dimensions,* page 109, for important information regarding dimensional references for all V.I.A. components.



LED light fixture is 7.875" fixed planning height, by parametric planing width from 12" minimum to 120" maximum.



The LED driver includes components to control the outputs of the LED fixture, including a transformer and an LED dimming controller that can be used with a dimming switch device. The junction box enclosure is provided by the electrical contractor.

LED light fixture is applied in horizontal orientation only.

Switching can be integrated for use with LED lighting. These must be UL listed components and 0-10V output compatible.

Switching can be integrated into the V.I.A. wall, into the building system, room located controls, or as part of the HDVC system.

Switching can be controlled by building system, room located controls, or remote control.

Switch components are the responsibility of local electrician to acquire, install, and must meet all code requirements.

Light Output Characteristics:
- Correlated Color Temperature: CCT 3,000K +/- 250 per ansi color bin
- Color Rendering Index: CRI 80 minimum
- Intensity (Surface Brightness): 1250 cd/m2 ± 350 cd/m2

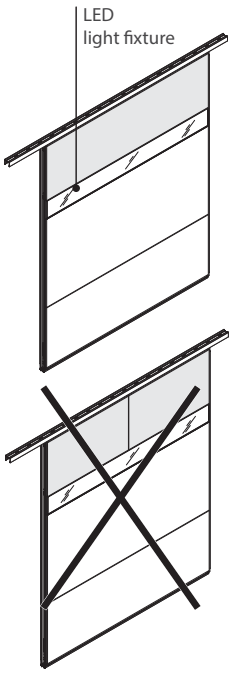
Application Topics

LED light fixtures run horizontally from post to post interfacing with monitor shroud or intermediate horizontals.

Installation of LED light fixtures requires structural framing on all four sides of light.

LED light fixtures do not interface with structural horizontals at the ceiling or floor.

LED light fixtures can be placed one above another on a single wall.



Vertical skin breaks are not permitted above LED light fixture.

Multipurpose infeeds cannot be routed between back to back LED lights.

Vertical skin breaks are permitted below the LED light fixture.

Glass skins cannot be installed on the same wall opposite of an LED light fixture.

Glass skins cannot completely surround all four sides of LED light fixture.

Back-to-back application of LED light fixtures is possible, dimensions of both LED light fixtures must be equal. Acoustic performance will be reduced. Infeeds and conduit cannot be routed behind LED light fixtures when placed in a back-to-back configuration.

The lens for LED light fixture can be cleaned with any of the following:
- Tap water
- All purpose Mr. Clean
- All purpose Fantastik
- Windex window cleaner
- Glass Plus
- Formula 409

Wiring and Cabling

Wiring from the LED driver to the LED light fixture must be jacketed 16 AWG wire that meets all local codes.

Maximum length 16AWG wiring is not to exceed 30' from the LED driver to each LED light fixture.

Each LED light fixture is wired to the LED driver individually (daisy chain wiring is not permitted).

Wiring from switch components, controller, etc., to the LED driver, is the responsibility of the local electrical contractor.

Local electrical contractor supplies and connects wiring from building to the LED driver.

Local electrical contractor supplies jacketed 16AWG wiring from the LED driver to the LED light fixture.

Local electrical contractor is responsible for ensuring wiring and components supplied meet all applicable code requirements.

LED Driver

Specifications:
Input voltage (VAC)
120V-277V
Frequency Range (Hz)
50-60Hz
Input Current (A)
0.91A@120V
0.39A@277V
Output Voltage (VDC) 24V
Output Current (A) 0.1 – 4.0A
Dimming Control 0-10V
Dimming Range 50-100%

Dimensions:
- Length 9.45" (240 mm)
- Width 1.70" (43.2 mm)
- Height 1.12" (28.5 mm)

Each LED driver can accommodate up to, but not exceed, 10 lineal feet of LED light fixtures, in any combination of lengths.

LED drivers can be located within the floor or ceiling.

LED drivers must be installed in junction box enclosures. Box enclosures are supplied by the electrical contractor.
Tip: Electrical box enclosures for LED drivers are too large to fit in Steelcase Low Profile Floor.

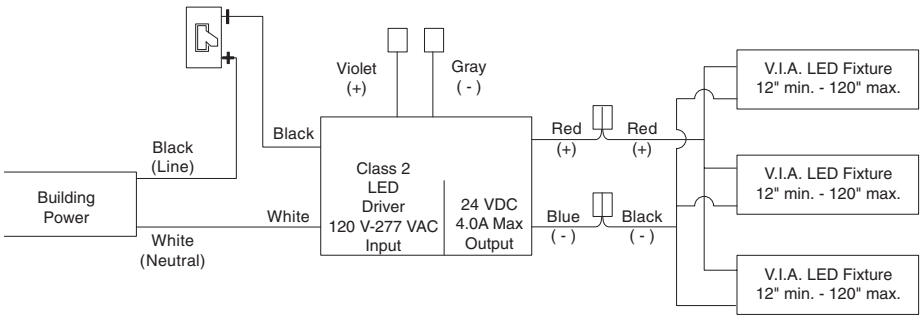
Multiple LED drivers may be located within a single junction box enclosure.

Surface Materials

Trim
- 8043 Clear Anodized Aluminum
- Paint

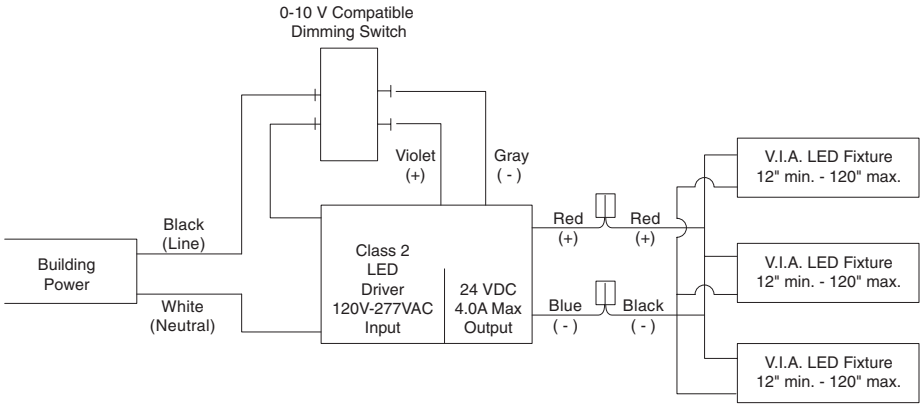
Lighting Schematics

A: 120V-277 VAC Compatible Toggle On/Off Switch



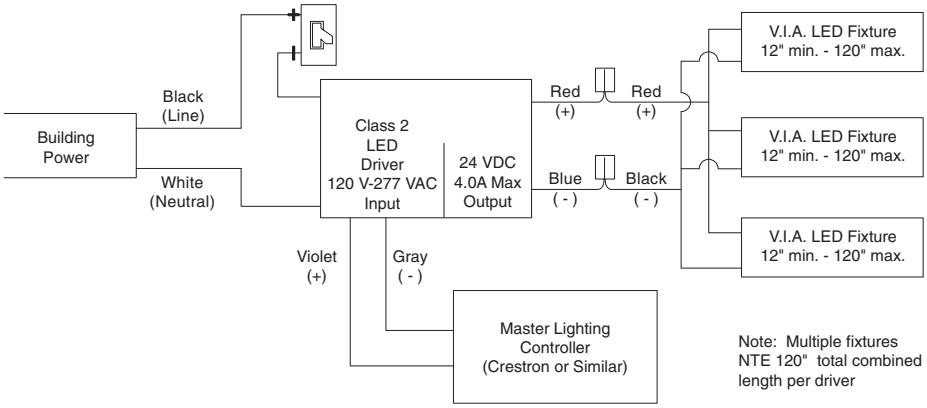
Note: Multiple fixtures NTE 120" total combined length per driver

B: 0-10V Compatible Dimmer Switch (Rotary, slide, preset, etc.)



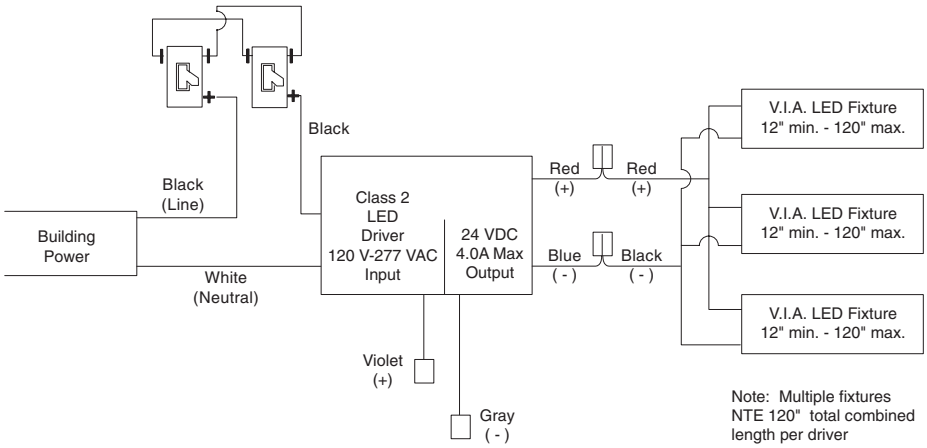
Note: Multiple fixtures NTE 120" total combined length per driver

C: Master Lighting Controller (Crestron, other)

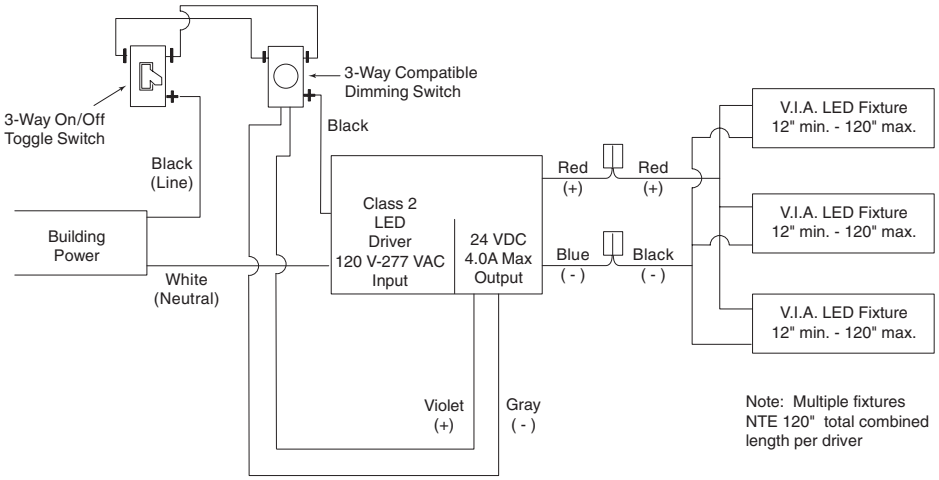


Note: Multiple fixtures NTE 120" total combined length per driver

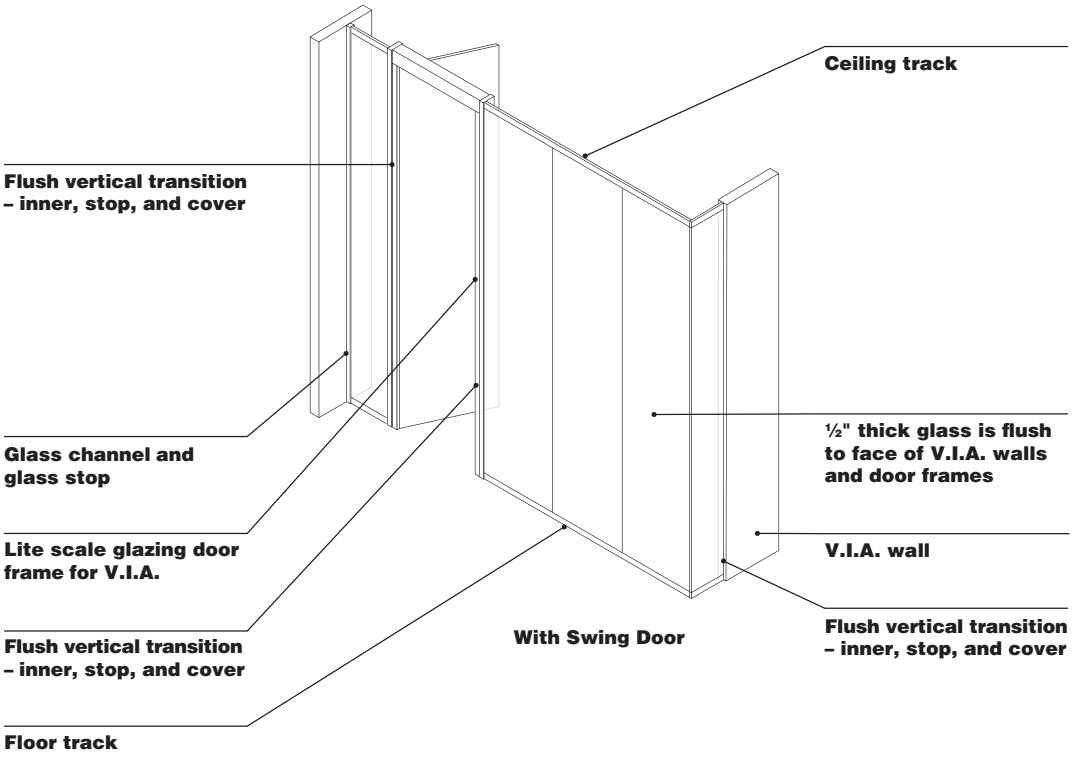
D: 120V-277 VAC Compatible Toggle On/Off 3-Way Switching



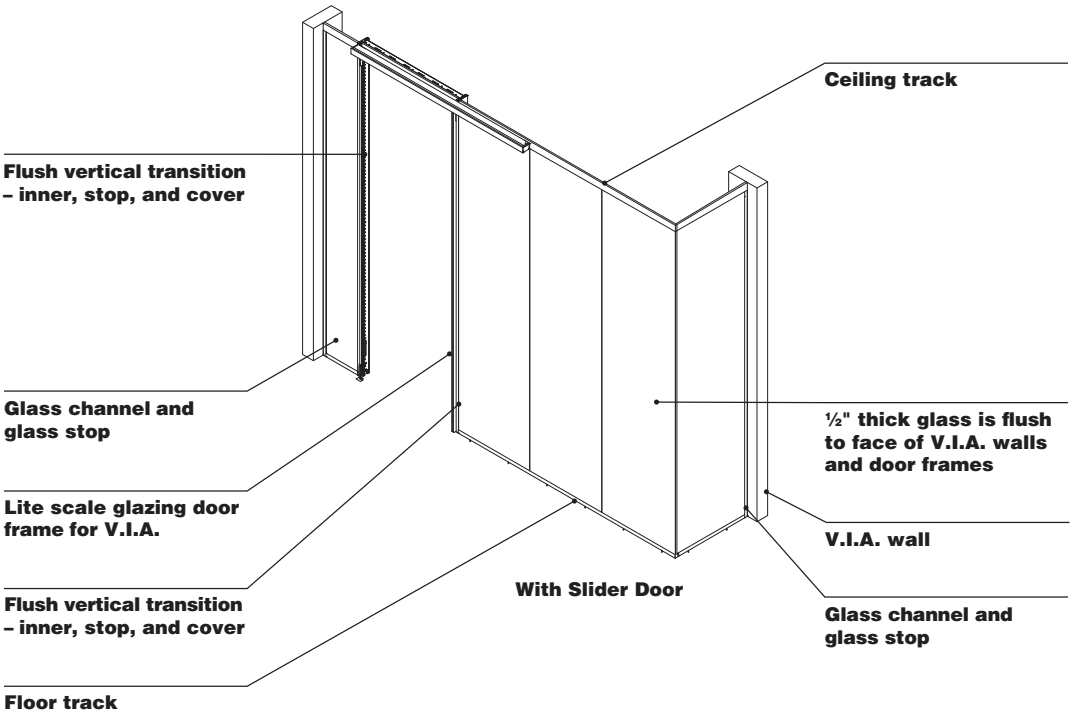
E: 120V-277 VAC Compatible 1-Toggle On/Off, 1-Dimmer Type 3-Way Switching



Lite Scale Glazing

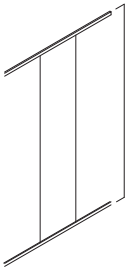


With Swing Door

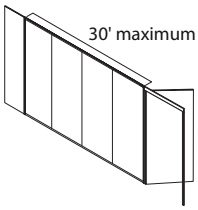


With Slider Door

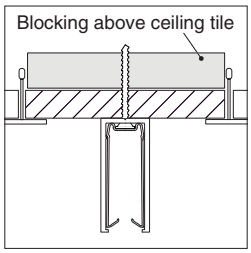
Product Details



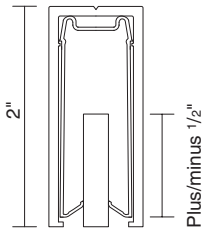
Ceiling height can be specified from 7'0" to 10'0" in 1/16" increments.
Tip: Specify ceiling height of your installation. Glass and door components will be fabricated to allow for ceiling track.



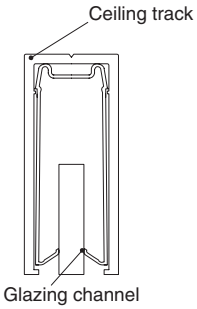
The maximum length of the lite scale glass wall is 30'0". At this length, a vertical component (post, door frame, mini-end, or glass channel) must be positioned at both ends of the wall.



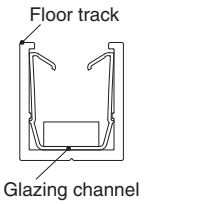
When installed under a suspended ceiling grid, blocking is required above ceiling tiles for structural support. Blocking materials and fasteners are provided by the installer.



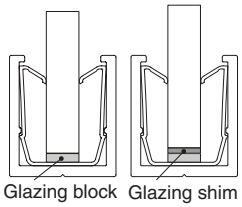
Ceiling track allows for ½" of adjustment in each direction. Floor track allows for an increase of ½" .



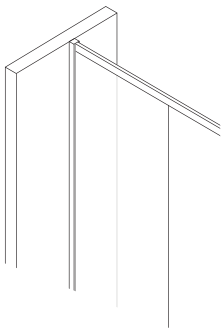
Ceiling track and glazing channel are combined during installation. Parts are provided in 122" lengths and cut to size on site as necessary.



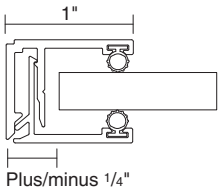
Floor track and glazing channel are combined during installation. Parts are provided in the 122" lengths and cut to size on site as necessary.



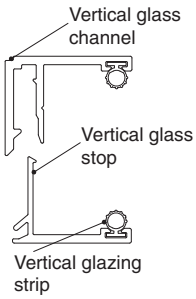
Glazing shims, along with additional glazing blocks, can be combined to level the glass when floors are uneven. Floor track can be shimmed up to 1/2".



Lite scale glass walls can intersect with conventional walls using vertical channels and stops.

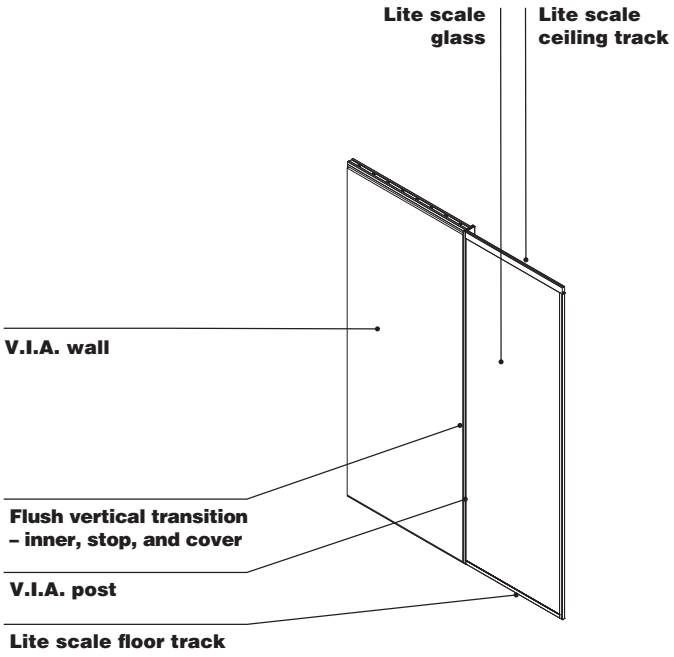


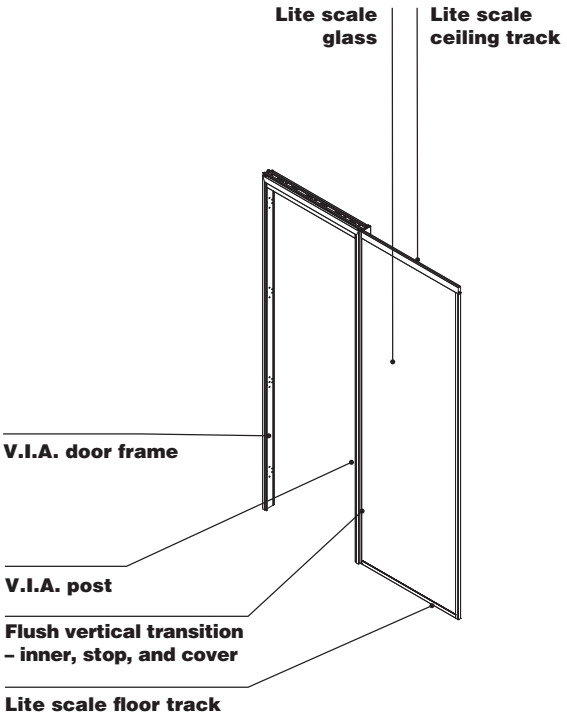
Vertical glass channel allows for ¼" of adjustment.

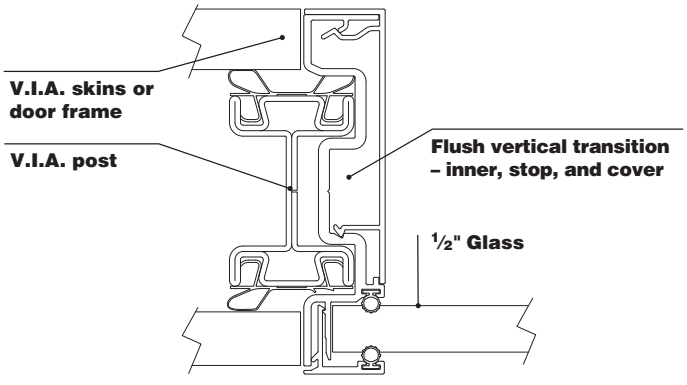


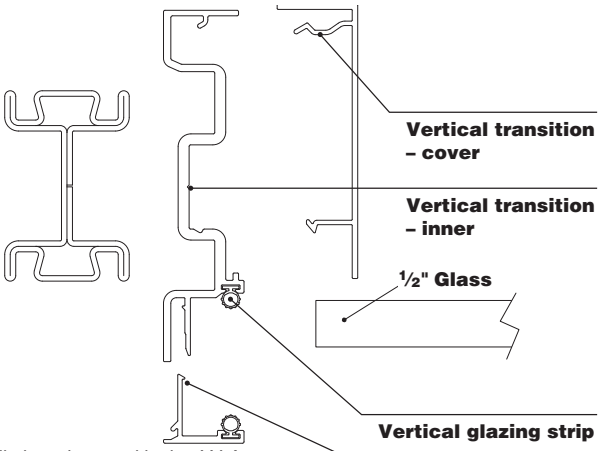
Vertical glass channels can be used at terminations against conventional walls. Parts are provided in 122" lengths and are cut to size on site as necessary.
Tip: Vertical glazing strips are ordered separately and applied during installation.

▶**Lite Scale Glazing,** continued **125**

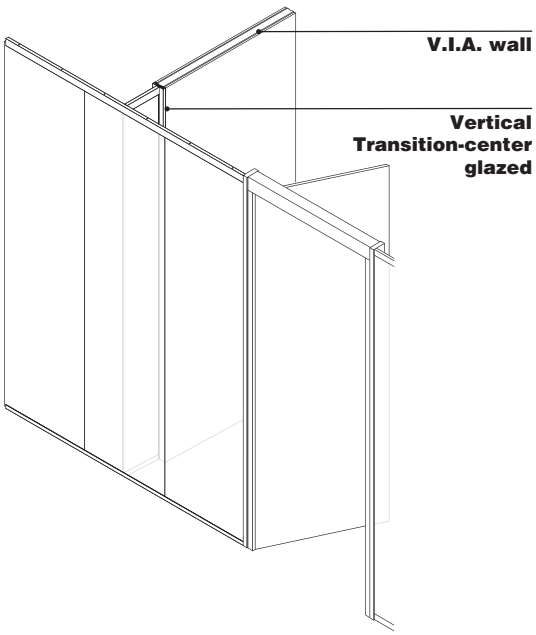


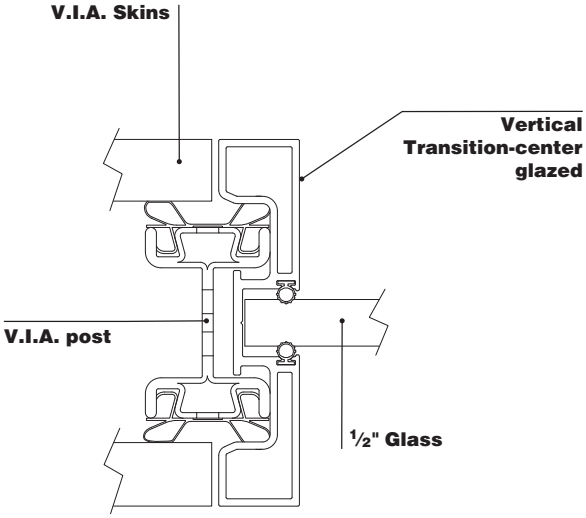


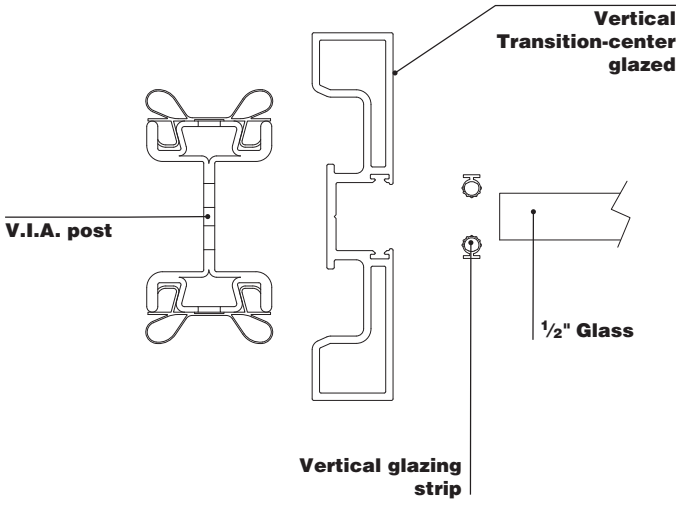




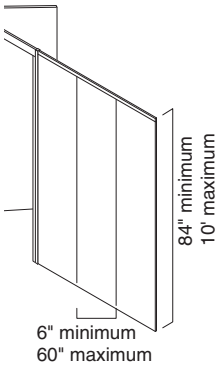
Flush vertical transitions (inner, stop, and cover), are combined during installation when positioning V.I.A. walls and door frames adjacent to lite scale glazing. Parts are provided in 122" lengths and cut to size on site as necessary.
Tip: Vertical glazing strips are ordered separately and applied during installation.



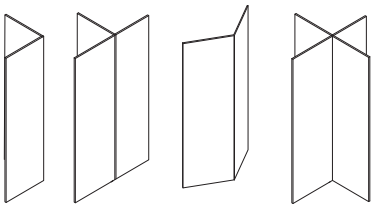




When blending lite scale V.I.A. with V.I.A. cross walls at T conditions as shown above, a center glazed vertical transition can be used at the common wall. Parts are provided in 122" lengths and cut to size as necessary.
Tip: Vertical glazing strips are ordered separately and applied during installation.



Glass thickness is 1/2". Glass lites can be specified in widths from 6" to 60" wide. Ceiling heights can be specified from 84" to 120".
Tip: Lite scale glass widths of 40" or less are recommended to simplify handling and installation. Overall glass size should not exceed 40 square feet.



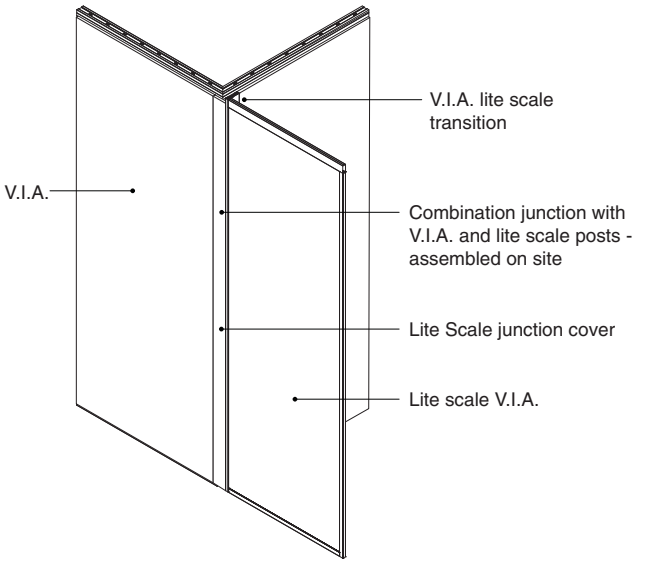
Various intersections can be created with lite scale glazing components. Framing components are shipped as straight lengths 122" long and are cut and mitered to the appropriate angle as part of the installation process.

90° angles use black glazing tape to join individual pieces of glass. Other angles can be joined using silicone or flexible bulb seals similar to CRL seal S1LB.
▶See page 248 for black glazing tape.

Glazing tape for in-line glass joints is ordered separately.
▶See page 248 for clear glazing tape.

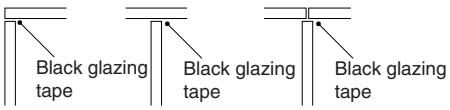
Tempered glass for lite scale glazing can be provided through Steelcase or sourced through local suppliers. Glass sizes can be specified in 1/16" increments.

Lite scale V.I.A. posts are a different relative height than V.I.A. posts, and the mounting brackets for the structural horizontal are set at a different height.

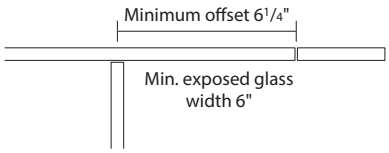


Junctions that link V.I.A. to lite scale V.I.A. use a combination of V.I.A. and lite scale V.I.A. posts. These combination junctions are shipped knock-down for field assembly.

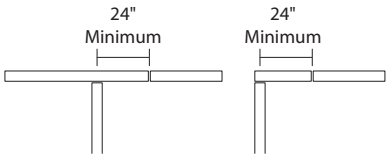
Lite scale V.I.A. junction covers are shipped oversized and field cut to exact height when installed.



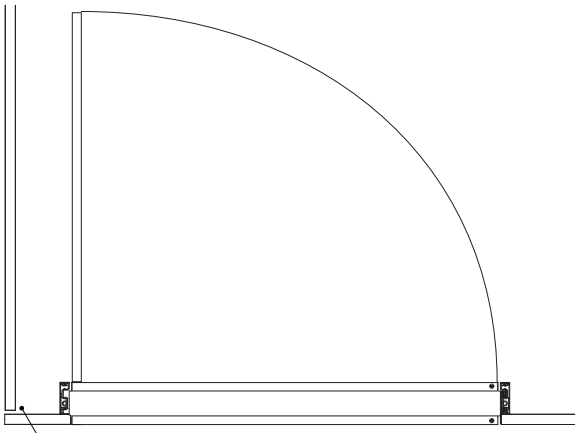
Black glazing tape is provided for perpendicular intersections.



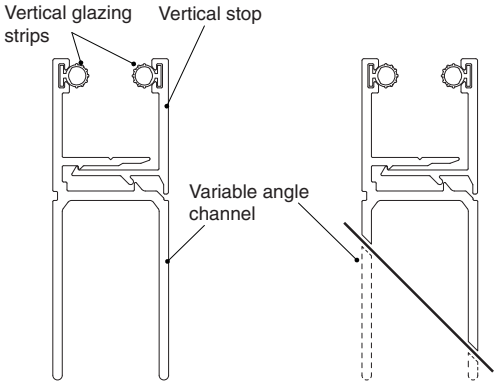
An in-line glass joint can be no longer than 6 1/4" to the centerline of an L or T butt glass intersection.

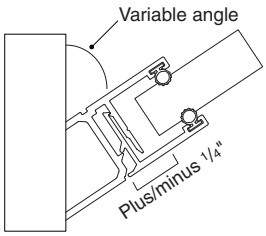


In order to minimize the visual impact of vertical glass joints, it is recommended that an in-line joint be positioned no closer than 24" from an intersection.

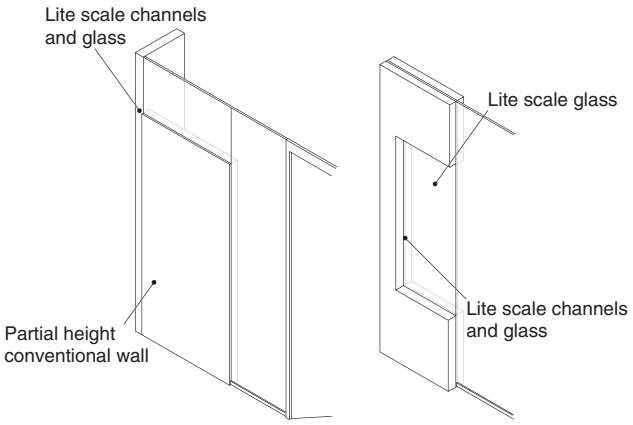


At L corners, the lap joint at the glass will typically be oriented to the glass in the front wall (as defined by the door opening placement) to extend through the corner.

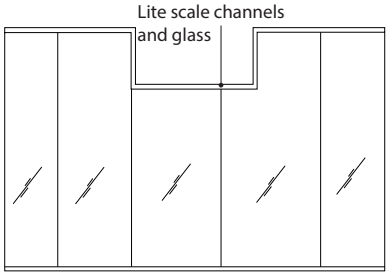




A variable angle glass channel with a glass stop is used to create angels other than 90° at a termination at a conventional wall. The channel is cut to the proper angle by the installer. The minimum angle is 45°. Parts are provided in 122" lengths and cut to size on site as necessary.
Tip: Vertical glazing strips are ordered separately and applied during installation.

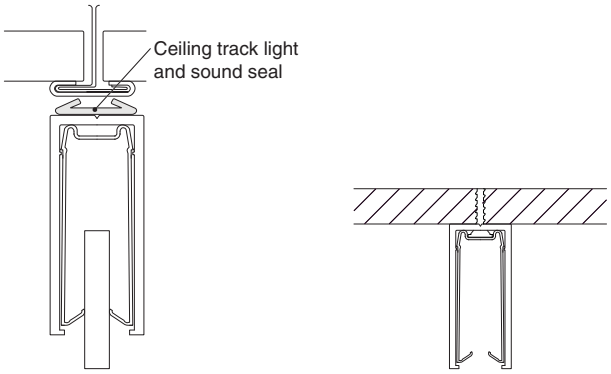


Glass channel can be field cut and mitered to fit a perimeter sill and soft conditions. Glass can also be set above partial height conventional walls in a knee-wall or clerestory application.

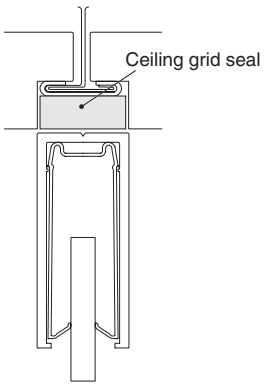


Glass ceiling track can be field cut and mitered to fit at soffit conditions or a change in ceiling height.

▶**Lite Scale Glazing,** continued **129**



When installed under a suspended ceiling grid, a light and sound seal is added to the ceiling track during installation.
Tip: This seal is not required at drywall soffit or ceilings.



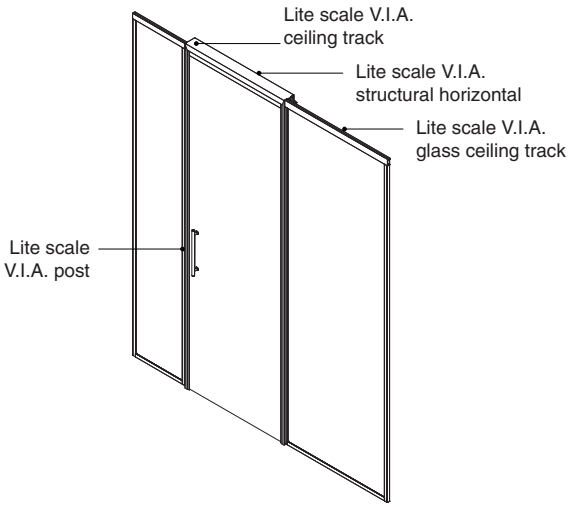
When installed under a suspended ceiling grid with recessed grid and tegular tiles, ceiling grid seal is specified to fill potential gaps.

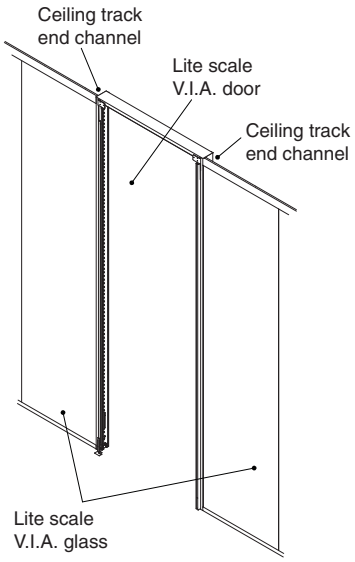
Lite scale V.I.A. door units are the same basic design as V.I.A. door frames and door leaves. The relative height of the lite scale door and frame is taller.

The planning height for door frames and door leaves is "ceiling height" minus 0.19685".

Only full height doors can be specified with lite scale glazing (transom height doors cannot be used).

- See pages 178 and 254 for reversible door frames.
- See pages 252-253 and 255-256 for reversible door leaves.
- See pages 257 and 261 for slider door frames.
- See pages 258 and 262 for slider door leaf.
- See pages 259-260 and 263 for slider door track.





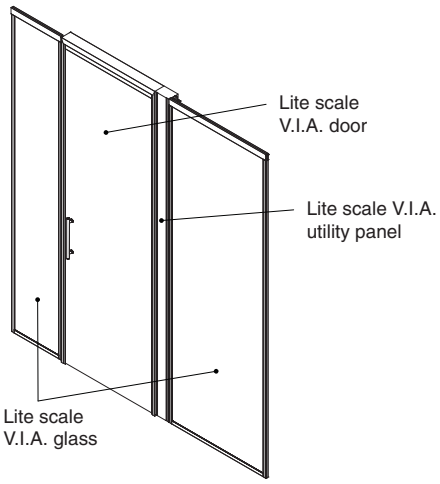
Lite scale V.I.A. door frames are specified when lite scale glass or lite scale junctions are positioned on both sides of the door frame.

Lite scale V.I.A. ceiling track is used at lite scale V.I.A. door frames.

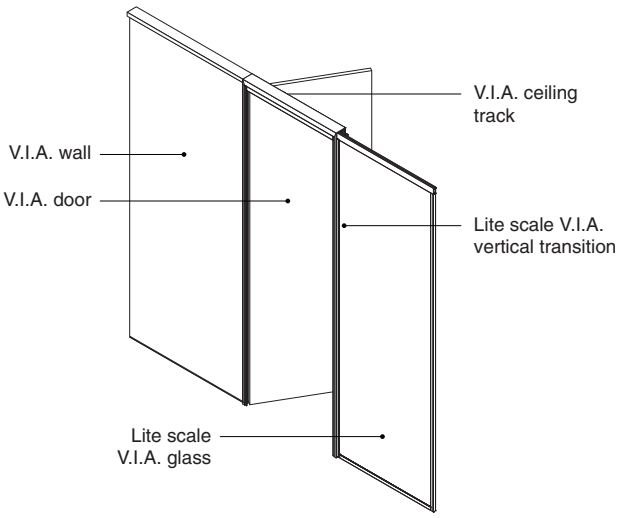
Lite scale posts and lite scale structural horizontals are specified for use with V.I.A. lite scale door frames.

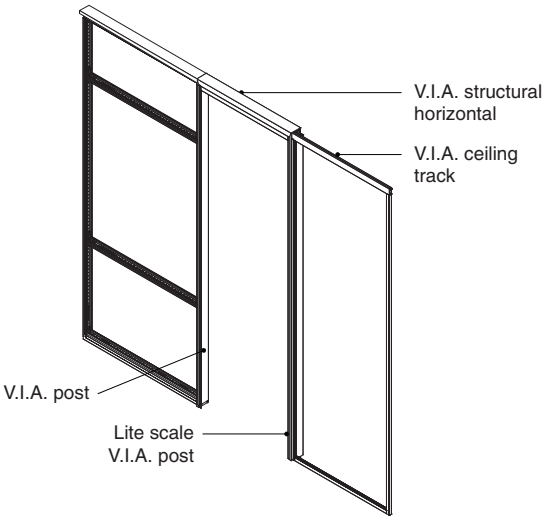
When lite scale V.I.A. posts are specified at a lite scale V.I.A. door frame, short leveler brackets are used to clear the inner vertical transition.

Ceiling track end channel serves as a trim to transition from lite scale V.I.A. ceiling track above the door frame to the adjacent lite scale glass ceiling track.

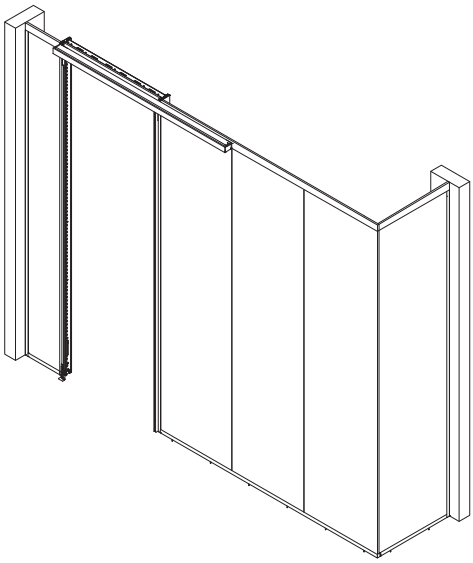


Utility panels and in-line junctions can be positioned adjacent to lite scale V.I.A. door frames.

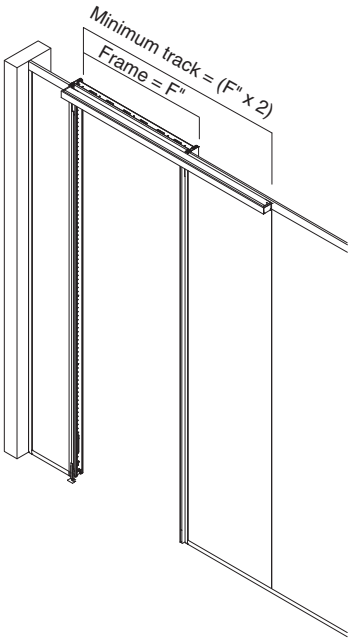




When a door frame is positioned directly adjacent to a V.I.A. wall and shares a common post, the door frame is specified as a V.I.A. (not lite scale) door frame. Flush vertical transitions are specified to connect V.I.A. lite scale door frames to adjacent lite scale glass walls.

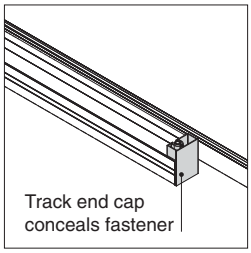


Lite scale slider door assemblies are applied by specifying door frame, door leaf, and track. Lite scale sliders are available as full height only. Lite scale door frames and doors are available in widths of 28" to 44½". Slider track must be oriented to the same side of the wall as the glass.



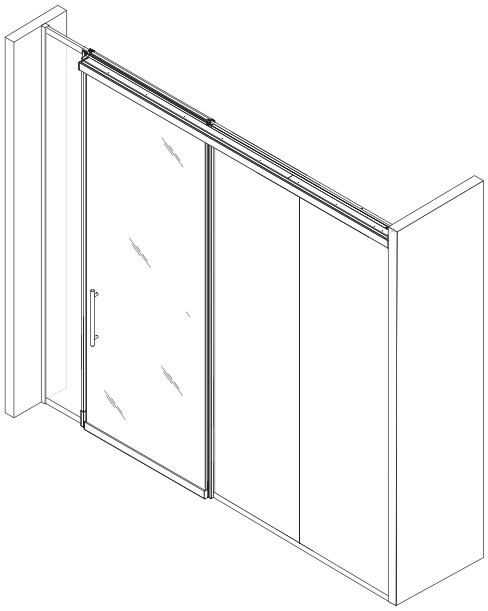
Slider door track is available in widths from 76"W to 144"W. The minimum width slider track = (door frame width x 2).

Slider door track width is measured from the centerline of the strike side reveal to the end of the track.



Slider door track hanger conceals the fastener that attaches the slider door track to the support structure above the ceiling.

Customer or GC to provide structure above the ceiling or soffit as required to support a 150 pound vertical load at the trailing edge of the slider track.



The slider track can span across a glass front by ordering an oversized width of track (120"W or 144"W) and having the installer cut to size.

When using etched and/or patterned glass on the slider doors, the polished face of the glass can be oriented to either face of the wall.
▶See page 44 for more information regarding etched and patterned glass.

Specifying Structural Frame Components

Post	**134**
Structural Horizontal and Intermediate Horizontal	**135**
Ceiling Tracks	**136**
Ceiling Fastener and T/X Ceiling Track Bracket	**138**
Base Trims	**139**
Floor Track and Floor Track Spring	**141**
Floor Guide	**142**
Short Post Leveler Bracket	**143**
Post and Beam Attachment Kit and Intermediate Framing Screw Package	**144**
Acoustic Seals	**145**
Structural Beam	**146**

Post

	Standard Includes	Required to Specify
▶ Need help? Product details, page 30	• Post • Height: 15"–144" • Seal: plastic	1 Style number 2 Height 3 Plastic color number for seal 4 Top mount type (see below under Required Selections) 5 Horizontal hole count (see below under Required Selections) ▶ See *Surface Materials*, page 266.

	Required Selections	Required to Specify
Top Mount Type	• Ceiling	Specify *with ceiling mount.*
	• Intermediate	Specify *with intermediate mount.*
Horizontal Hole Count	**Horizontal Holes**	
	• No holes	Specify *with no holes.*
	• Hole 1 location	Specify *Y dimension for hole 1.*
	• Hole 2 location	Specify *Y dimension for hole 2.*
	• Hole 3 location	Specify *Y dimension for hole 3.*
	• Hole 4 location	Specify *Y dimension for hole 4.*
	• Hole 5 location	Specify *Y dimension for hole 5.*
	• Hole 6 location	Specify *Y dimension for hole 6.*
	• Hole 7 location	Specify *Y dimension for hole 7.*
	• Hole 8 location	Specify *Y dimension for hole 8.*
	• Hole 9 location	Specify *Y dimension for hole 9.*
	• Hole 10 location	Specify *Y dimension for hole 10.*
	• Hole 11 location	Specify *Y dimension for hole 11.*

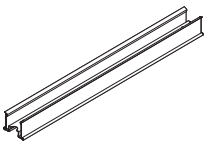
Specification Information

- **Style Number**

FEPVS

Structural Horizontal and Intermediate Horizontal

Structural Horizontal



Standard Includes	Required to Specify
▶ Need help? Product details, page 30	1 Style number
• Post	2 Width
• Width: 6"–120"	3 Plastic color number for seal
• Seal: plastic	4 Cut-out configuration (see below under Required Selections)
	▶ See *Surface Materials,* page 266.

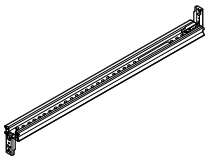
Required Selections		Required to Specify
Cut-out Configuration	• Cutable	Specify *with cutable.*
	• Non-cut	Specify *with non-cut.*

Specification Information

- **Style Number**

FERHS

Intermediate Horizontal



Standard Includes	Required to Specify
▶ Need help? Product details, page 30	1 Style number
• Horizontal	2 Width
• Width: 6"–120"	3 Plastic color number for seal
• Seal: plastic	4 Vertical hole count (see below under Required Selections)
	▶ See *Surface Materials,* page 266.

Required Selections		Required to Specify
Vertical Hole Count	**Vertical Holes**	
	• No holes	Specify *with no holes.*
	• Hole 1 location	Specify *X dimension for hole 1.*
	• Hole 2 location	Specify *X dimension for hole 2.*
	• Hole 3 location	Specify *X dimension for hole 3.*
	• Hole 4 location	Specify *X dimension for hole 4.*
	• Hole 5 location	Specify *X dimension for hole 5.*
	• Hole 6 location	Specify *X dimension for hole 6.*
	• Hole 7 location	Specify *X dimension for hole 7.*
	• Hole 8 location	Specify *X dimension for hole 8.*
	• Hole 9 location	Specify *X dimension for hole 9.*
	• Hole 10 location	Specify *X dimension for hole 10.*
	• Hole 11 location	Specify *X dimension for hole 11.*

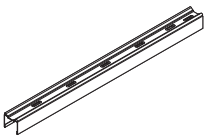
Specification Information

- **Style Number**

FERHI

Ceiling Tracks

Straight Ceiling Track



	Standard Includes	Required to Specify
▶Need help? Product details, page 30	• 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 Length (See below under Required Selections) ▶See *Surface Materials,* page 266.

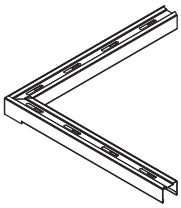
	Required Selections	Required to Specify
Length	• 120" • 144"	Specify 120". Specify 144".

Specification Information

- **Style Number**

FECTS

Corner Fixed Angle Ceiling Track



	Standard Includes	Required to Specify
▶Need help? Product details, page 30	• 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) ▶See *Surface Materials,* page 266.

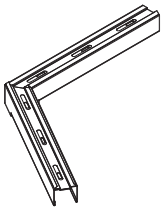
	Required Selections	Required to Specify
Fixed Angles	• 90° • 120° • 135°	Specify *with 90° angle.* Specify *with 120° angle.* Specify *with 135° angle.*

Specification Information

- **Style Number**

FECTF

Corner Variable Angle Ceiling Track



Standard Includes	Required to Specify
▶ Need help? Product details, page 30	• 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) ▶ See *Surface Materials,* page 266.

Required Selections		Required to Specify
Angle	• 91°–119° • 121°– 134° • 136°–179°	Specify angle in 1° increment. Specify angle in 1° increment. Specify angle in 1° increment.

Specification Information

• **Style**
Number

FECTV

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 30	• Fastener package	1 Style number 2 Fastener type (see below under Required Selections)

	Required Selections	Required to Specify
Fastener Type	• 1"W exposed T	Specify *with 1"W exposed T.*
	• 9⁄16"W exposed T	Specify *with 9⁄16"W exposed T.*
	• 1⁄4"W Donn Fineline	Specify *with 1⁄4"W Donn Fineline.*
	• 1⁄8"W Donn Fineline	Specify *with 1⁄8"W Donn Fineline.*
	• 1"W fluted runner 1⁄4–20	Specify *with 1"W fluted runner 1⁄4–20.*
	• 1"W tegular	Specify *with 1" tegular.*
	• 9⁄16" tegular	Specify *with 9⁄16" tegular.*

Specification Information

- **Style Number**

FECF

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 30	• Bracket	Style number

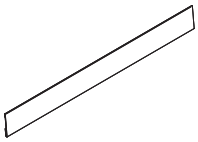
Specification Information

- **Style Number**

FECTB

Base Trims

Straight Base Trim



Standard Includes	Required to Specify
▶Need help? Product details, page 30	1 Style number 2 Paint color number for trim 3 Length (See below under Required Selections) ▶See *Surface Materials,* page 266.
• Base trim: paint	

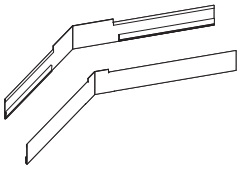
Required Selections		Required to Specify
Length	• 120"	Specify 120".
	• 144"	Specify 144".

Specification Information

- **Style Number**

FEBTS

Corner Fixed Angle Base Trim



Standard Includes	Required to Specify
▶Need help? Product details, page 30	1 Style number 2 Paint color number for trim 3 Angle (see below under Required Selections) 4 Corner type (see below under Required Selections) ▶See *Surface Materials,* page 266.
• Base trim: paint	

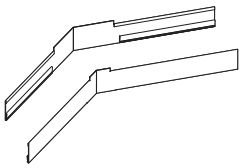
Required Selections		Required to Specify
Fixed Angles	• 90°	Specify *with 90° angle.*
	• 120°	Specify *with 120° angle.*
	• 135°	Specify *with 135° angle.*
Corner Type	• Inner	Specify *with inner corner.*
	• Outer	Specify *with outer corner.*

Specification Information

- **Style Number**

FEBTF

Corner Variable Angle Base Trim



Standard Includes	Required to Specify
▶ Need help? Product details, page 30	1 Style number 2 Paint color number for trim 3 Angle (see below under Required Selections) 4 Corner type (see below under Required Selections) ▶ See *Surface Materials,* page 266.
• Base trim: paint	

Required Selections		Required to Specify
Angle	• 91°–119° • 121°–134° • 136°–179°	Specify angle in 1° increment. Specify angle in 1° increment. Specify angle in 1° increment.
Corner Type	• Inner • Outer	Specify *with inner corner.* Specify *with outer corner.*

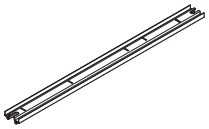
Specification Information

Style Number

FEBTV

Floor Track and Floor Track Spring

Floor Track



Standard Includes	Required to Specify
▶ Need help? Product details, page 30	1 Style number 2 Paint color number for floor track 3 Width ▶ See *Surface Materials,* page 266.
• Floor track: paint • Width: 6"–120"	

Specification Information

- **Style Number**

FEFT

Floor Track Spring

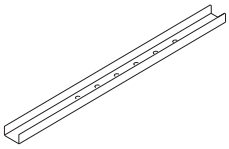
Standard Includes	Required to Specify
▶ Need help? Product details, page 30	Style number
• Floor track spring	

Specification Information

- **Style Number**

FEFTS

Floor Guide



	Standard Includes	Required to Specify
▶ Need help? Product details, page 30	• Floor guide	1 Style number 2 Gripper type (see below under Required Selections)

	Required Selections	Required to Specify
Gripper	• Simple • Seismic	Specify *with simple*. Specify *with seismic*.

Specification Information

• **Style**
Number

FEFG

Short Post Leveler Bracket

Standard Includes		Required to Specify
▶ Need help? Product details, page 30	• Bracket	Style number

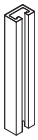
Specification Information

- **Style Number**

FEPLBS

Post and Beam Attachment Kit and Intermediate Framing Screw Package

Post and Beam Attachment Kit



Standard Includes	Required to Specify
• Attachment kit	Style number

Specification Information

Style Number
FEPBK

Intermediate Framing Screw Package

Standard Includes	Required to Specify
▶ Need help? Product details, page 30	• Screw package	Style number

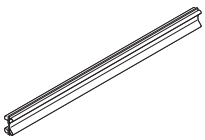
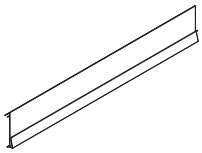
Specification Information

Style Number
FEPF01

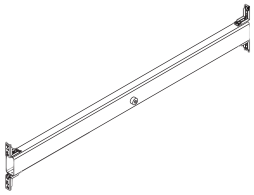
Acoustic Seals

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 30 • Acoustic seal: plastic	1 Style number 2 Plastic color number for seal ▶ See *Surface Materials,* page 266.

Specification Information		
Description	**Style Number**	**For Use With**
Post Acoustic Seal Packages		
 145"H full-height post package or 72½"H partial-height post package	**FEPVSS**	FEPVS
Intermediate Horizontal Acoustic Seals		
 24"W, 48"W, 72"W, 96"W, or 120"W	**FERHIS**	FERHI
Structural Horizontal Acoustic Seals		
 24"W, 48"W, 72"W, 96"W, or 120"W	**FERHSS**	FERHS

Structural Beam



Standard Includes		Required to Specify
▶ Need help? Product details, page 102	• Beam • Width: 12" – 120"	1 Style number 2 Width

Specification Information

• **Style**
Number

FEBSTR

Specifying Cornice Application

Cornice Track and Beam 148
Cornice Brackets and Reinforcing Tracks 149
Cornice Accessories 151

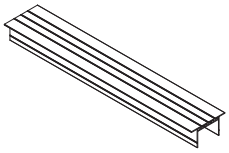
Cornice Track and Beam

Standard Includes	Required to Specify
▶ Need help? Product details, page 36	1 Style number 2 Paint color number for cornice track and beam ▶ See *Surface Materials,* page 266.
• Cornice track and beam: paint	

Specification Information

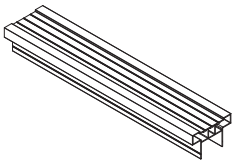
- **Length**
- **Style Number**

Cornice Track Deck



Length	Style Number
130"	**FECTD**

Cornice Track Beam



Length	Style Number
130"	**FECTBE**

Cornice Track Deck Corner

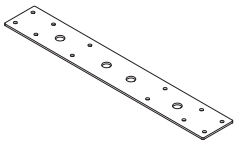
Length	Style Number
36" x 36"	**FECTDC**

Cornice Track Beam Corner

Length	Style Number
36" x 36"	**FECTBEC**

Cornice Brackets and Reinforcing Tracks

Cornice Bracket



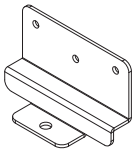
Standard Includes	Required to Specify
▶Need help? Product details, page 36	• Cornice bracket: paint	1 Style number 2 Paint color number for cornice bracket 3 Angle (see below under Required Selections) ▶See *Surface Materials,* page 266.

Required Selections		Required to Specify
Angle	• 90° • 135° • 180°	Specify *with 90° angle.* Specify *with 135° angle.* Specify *with 180° angle.*

Specification Information

Style Number
FECB

Cornice Skin Structural Bracket



Standard Includes	Required to Specify
▶Need help? Product details, page 36	• Cornice bracket: paint	1 Style number 2 Paint color number for cornice bracket ▶See *Surface Materials,* page 266.

Specification Information

Style Number
FESSB

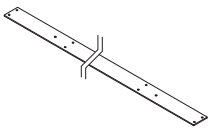
Cornice Reinforcing Tracks

	Standard Includes	Required to Specify
▶ Need help? Product details, page 40	• Cornice reinforcing track: paint	1 Style number 2 Paint color number for reinforcing track ▶ See *Surface Materials,* page 266.

Specification Information

- **Dimensions**
  - **Length**
- **Style**
  - **Number**

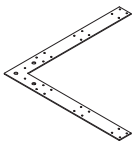
Cornice Seismic Reinforcing Track – Straight



Tip: Specify cornice screw package bracket separately - two sets required for straight track.

Length	Number
112"	**FECTSRS**

Cornice Seismic Reinforcing Track – Corner



Tip: Specify cornice screw package bracket separately - three sets required for corner track.

Length	Number
24" x 24"	**FECTSRC**

Cornice Accessories

Cornice Screw Package – Track

Standard Includes	Required to Specify
• Screw package: quantity 18	Style number

Specification Information

Style Number

FECSPT

Cornice Screw Package – Bracket

Standard Includes	Required to Specify
• Screw package: quantity 12	Style number

Specification Information

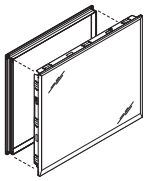
Style Number

FECSPB

Specifying Captured Glass Frames

Single Glazed Captured Glass Frame	**154**
Double Glazed Captured Glass Frame	**155**
Single Side Captured Glass Frames—Side A and Side C	**156**
Single Side Captured Glass Frames—Side B and Side D	**157**
Acoustic Seal for Captured Glass	**158**
Brackets and T Nuts	**159**

Single Glazed Captured Glass Frame



Standard Includes	Required to Specify
▶ Need help? Product details, page 42	• Frame: paint or 8043 Clear Anodized Aluminum • Height: 12"–141.71654" • Width: 12"–120" • Glass: ¼" thick	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 thickness (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) ▶ See *Surface Materials,* page 266.

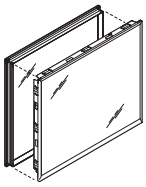
Tip: Glass surface orientation only required when 6542 Satin is selected.

Required Selections		Required to Specify
Glass Thickness (if glass selected)	• 1/4" thick glass • 3/8" thick glass	Specify *with 1/4" thick glass.* Specify *with 3/8" thick glass.*
Glass Surface Orientation (if 6542 Satin selected)	• Polished to flush • Polished to sill	Specify *with polished to flush.* Specify *with polished to sill.*
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Bottom Mount Type	• Floor • Intermediate	Specify *with floor mount.* Specify *with intermediate mount.*

Specification Information

• **Style Number**
FEFRCGS

Double Glazed Captured Glass Frame



▶ Need help? Product details, page 42

Standard Includes

- Frame: paint or 8043 Clear Anodized Aluminum
- Height: 12"–141.71654"
- Width: 12"–120"
- Glass: 1/4" thick

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 thickness for side A (see below under Required Selections)
9 Glass thickness for side C (see below under Required Selections)
10 Glass surface orientation for side A, if 6542 Satin selected (see below under Required Selections)
11 Glass surface orientation for side C, if 6542 Satin selected (see below under Required Selections)
12 Top mount type (see below under Required Selections)
13 Bottom mount type (see below under Required Selections)

▶ See *Surface Materials,* page 266.

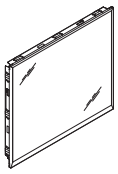
Tip: Glass surface orientation only required when 6542 Satin is selected.

Required Selections		Required to Specify
Glass Thickness for Side A (if glass selected)	• 1/4" thick glass • 3/8" thick glass	Specify *with glass A 1/4" thick glass.* Specify *with glass A 3/8" thick glass.*
Glass Thickness for Side C (if glass selected)	• 1/4" thick glass • 3/8" thick glass	Specify *with glass C 1/4" thick glass.* Specify *with glass C 3/8" thick glass.*
Glass Surface Orientation for Side A (if 6542 Satin selected)	• Polished to flush • Polished to sill	Specify *with glass A polished to flush.* Specify *with glass A polished to sill.*
Glass Surface Orientation for Side C (if 6542 Satin selected)	• Polished to flush • Polished to sill	Specify *with glass C polished to flush.* Specify *with glass C polished to sill.*
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Bottom Mount Type	• Floor • Intermediate	Specify *with floor mount.* Specify *with intermediate mount.*

Specification Information

Style Number
FEFRCGD

Single Side Captured Glass Frames—Side A and Side C



Standard Includes	Required to Specify
▶ Need help? Product details, page 42	• Frame: paint or 8043 Clear Anodized Aluminum • Height: 12"–141.71654" • Width: 12"–120" • Glass: 1/4" thick	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 surface orientation, if 6542 Satin selected (see below under Required Selections) 8 Top mount type (see below under Required Selections) 9 Bottom mount type (see below under Required Selections) ▶ See *Surface Materials,* page 266.

Tip: Glass surface orientation only required when 6542 Satin is selected.

Required Selections		Required to Specify
Glass Thickness	• 1/4" thick glass • 3/8" thick glass	Specify *with 1/4" thick glass.* Specify *with 3/8" thick glass.*
Glass Surface Orientation (if 6542 Satin selected)	• Polished to flush • Polished to sill	Specify *with polished to flush.* Specify *with polished to sill.*
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Bottom Mount Type	• Floor • Intermediate	Specify *with floor mount.* Specify *with intermediate mount.*

Specification Information

• **Style Number**

Side A Single Captured Glass Frame

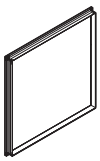
FEFRCGA

Side C Single Captured Glass Frame

FEFRCGC

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 42	• 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) ▶See *Surface Materials,* page 266.

Required Selections		Required to Specify
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Bottom Mount Type	• Floor • Intermediate	Specify *with floor mount.* Specify *with intermediate mount.*

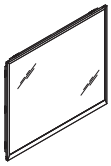
Specification Information

- **Style Number**

FEFRCGB

Single Side Captured Glass Frame—Side D

(Back-Painted Glass)



Standard Includes	Required to Specify
▶Need help? Product details, page 42	• Frame: paint or 8043 Clear Anodized Aluminum • Back-painted glass • Height: 12"–120" • Width: 12"–120" • Glass: ¼" thick	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) ▶See *Surface Materials,* page 266.

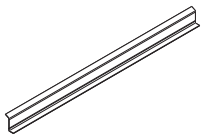
Required Selections		Required to Specify
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Bottom Mount Type	• Floor • Intermediate	Specify *with floor mount.* Specify *with intermediate mount.*

Specification Information

- **Style Number**

FEFRCGDBP

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 42	1 Style number 2 Seal length (see below under Required Selections)
• Seal	

Required Selections		Required to Specify
Seal Length	• 24" long seal	Specify 24" seal.
	• 48" long seal	Specify 48" seal.
	• 72" long seal	Specify 72" seal.
	• 96" long seal	Specify 96" seal.
	• 120" long seal	Specify 120" seal.

Specification Information

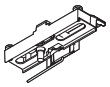
- **Style Number**

FEFRCGSA

Brackets and T Nuts

For Use with Captured Glass Frames

Locking Bracket

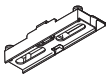


Standard Includes	Required to Specify
• Locking bracket	Style number

Specification Information

• Style Number
FEFHCGL

Non-Locking Bracket



Standard Includes	Required to Specify
• Non-locking bracket	Style number

Specification Information

• Style Number
FEFHCGI

Load Bracket

Standard Includes	Required to Specify
• Load bracket	Style number

Specification Information

• Style Number
FEFHCGLB

T Nuts

Standard Includes	Required to Specify
• T Nuts: package of 25	Style number

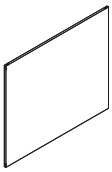
Specification Information

• Style Number
FEFHCGT

Specifying Skins

Solid Steel Skin	**162**
Solid Veneer Skin	**164**
Solid Veneer Skin Set	**166**
Solid Laminate Skin	**168**
Ceramic Skin	**170**
Slatwall Skin and Hardware	**171**
Acoustic Products	**174**

Solid Steel Skin



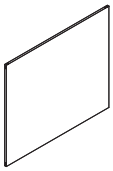
	Standard Includes	Required to Specify
▶Need help? Product details, page 46	• Height: 6"–141.71654" • Width: 6"–120" • Skin: paint or fabric	1 Style number 2 Height 3 Width 4 Paint or fabric color number for skin 5 Top mount type (see below under Required Selections) 6 Bottom mount type (see below under Required Selections) 7 Cable management cut-out and cut-out type (see below under Required Selections) ▶See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Surface Materials	**Skin surface**	
	• Paint	Specify paint color number.
	• Fabric	Specify fabric color number.
	Fabric direction for fabric skins	
	• Horizontal application	Specify *with horizontal application.*
	• Vertical application	Specify *with vertical application.*
Top Mount Type	• Ceiling	Specify *with ceiling top mount.*
	• Intermediate	Specify *with intermediate top mount.*
Bottom Mount Type	• Floor	Specify *with floor bottom mount.*
	• Intermediate	Specify *with intermediate bottom mount.*
Cable Management	**Cut-out count**	
	• No holes	Specify *with no holes.*
	• One hole	Specify *with one hole.*
	• Two holes	Specify *with two holes.*
	• Three holes	Specify *with three holes.*
	• Four holes	Specify *with four holes.*
	• Five holes	Specify *with five holes.*
	• Six holes	Specify *with six holes.*
	• Seven holes	Specify *with seven holes.*
	• Eight holes	Specify *with eight holes.*
	• Nine holes	Specify *with nine holes.*
	Cut-out position, if cut-out(s) selected	
	• No holes	Specify *with no holes.*
	• Cut-out 1 location	Specify X and Y dimensions for cut-out 1.
	• Cut-out 2 location	Specify X and Y dimensions for cut-out 2.
	• Cut-out 3 location	Specify X and Y dimensions for cut-out 3.
	• Cut-out 4 location	Specify X and Y dimensions for cut-out 4.
	• Cut-out 5 location	Specify X and Y dimensions for cut-out 5.
	• Cut-out 6 location	Specify X and Y dimensions for cut-out 6.
	• Cut-out 7 location	Specify X and Y dimensions for cut-out 7.
	• Cut-out 8 location	Specify X and Y dimensions for cut-out 8.
	• Cut-out 9 location	Specify X and Y dimensions for cut-out 9.
	Cut-out type, if cut-out(s) selected	
	• Hardwire single	Specify *with hardwire single cut-out type for each applicable location.*
	• Hardwire double	Specify *with hardwire double cut-out type for each applicable location.*
	• Hardwire triple	Specify *with hardwire triple cut-out type for each applicable location.*
	• Hardwire fourplex	Specify *with hardwire fourplex cut-out type for each applicable location.*
	• Modular double	Specify *with modular double cut-out type for each applicable location.*
	• Communication only – modular	Specify *with communication only – modular cut-out type for each applicable location.*
	• Communication only – no box	Specify *with communication only – no box cut-out type for each applicable location.*
	• Surface Hub 2	Specify *with Surface Hub 2 cut-out for each applicable location.*

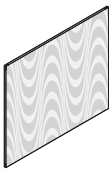
Specification Information

- **Style Number**

FESSS



Solid Veneer Skin



	Standard Includes	Required to Specify
▶Need help? Product details, page 46	• 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) ▶See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Surface Materials	**Wood veneer**	
	• Wood veneer	Specify *with wood veneer* and indicate wood color number.
	• Customiz stain	Specify *with Customiz stain.*
	Wood grain direction for skins	
	• Horizontal application	Specify *with horizontal application.*
	• Vertical application	Specify *with vertical application.*
Top Mount Type	• Ceiling	Specify *with ceiling top mount.*
	• Intermediate	Specify *with intermediate top mount.*
Bottom Mount Type	• Floor	Specify *with floor bottom mount.*
	• Intermediate	Specify *with intermediate bottom mount.*
Cable Management	**Cut-out count**	
	• No holes	Specify *with no holes.*
	• One hole	Specify *with one hole.*
	• Two holes	Specify *with two holes.*
	• Three holes	Specify *with three holes.*
	• Four holes	Specify *with four holes.*
	• Five holes	Specify *with five holes.*
	• Six holes	Specify *with six holes.*
	• Seven holes	Specify *with seven holes.*
	• Eight holes	Specify *with eight holes.*
	• Nine holes	Specify *with nine holes.*
	Cut-out position, if cut-out(s) selected	
	• No holes	Specify *with no holes.*
	• Cut-out 1 location	Specify *X and Y dimensions for cut-out 1.*
	• Cut-out 2 location	Specify *X and Y dimensions for cut-out 2.*
	• Cut-out 3 location	Specify *X and Y dimensions for cut-out 3.*
	• Cut-out 4 location	Specify *X and Y dimensions for cut-out 4.*
	• Cut-out 5 location	Specify *X and Y dimensions for cut-out 5.*
	• Cut-out 6 location	Specify *X and Y dimensions for cut-out 6.*
	• Cut-out 7 location	Specify *X and Y dimensions for cut-out 7.*
	• Cut-out 8 location	Specify *X and Y dimensions for cut-out 8.*
	• Cut-out 9 location	Specify *X and Y dimensions for cut-out 9.*

▶**Required Selections, continued on next page**

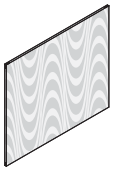
Required Selections, continued from previous page

	Required Selections	Required to Specify
Cable Management, continued	**Cut-out type, if cut-out(s) selected**	
	• Hardwire single	Specify *with hardwire single cut-out type for each applicable location.*
	• Hardwire double	Specify *with hardwire double cut-out type for each applicable location.*
	• Hardwire triple	Specify *with hardwire triple cut-out type for each applicable location.*
	• Hardwire fourplex	Specify *with hardwire fourplex cut-out type for each applicable location.*
	• Modular double	Specify *with modular double cut-out type for each applicable location.*
	• Communication only – modular	Specify *with communication only – modular cut-out type for each applicable location.*
	• Communication only – no box	Specify *with communication only – no box cut-out type for each applicable location.*
	• Surface Hub 2	Specify *with Surface Hub 2 cut-out for each applicable location.*

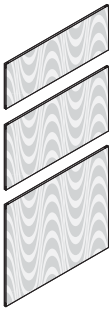
Specification Information

- **Style Number**

FESSV



Solid Veneer Skin Set



	Standard Includes	Required to Specify
▶Need help? Product details, page 46	• Two to five skins per skin set • Height of each skin: 12"–118" • Width of each skin: 12"–118" • Skin: wood veneer	1 Style number 2 Overall skin set height 3 Overall skin set width 4 Wood veneer color for skin set 5 Wood grain direction for skin sets (see below under Required Selections) 6 Skin count 7 Skin height for each skin in set 8 Skin width for each skin in set 9 Top mount type for each skin (see below under Required Selections) 10 Bottom mount type for each skin (see below under Required Selections) 11 Cut-out count (see below under Required Selections) 12 Cut-out placement for each skin, if selected (see below under Required Selections) 13 Cut-out type for each cut-out, if selected (see below under Required Selections) ▶ See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Surface Materials	**Wood veneer**	
	• Wood veneer	Specify *with wood veneer* and indicate wood color number.
	• Customiz stain	Specify *with Customiz stain.*
	Wood grain direction for skin sets	
	• Horizontal application (left to right)	Specify *with horizontal application.*
	• Vertical application (top to bottom)	Specify *with vertical application.*
Skin Count	• 2 Skins	Specify *with 2 skins.*
	• 3 Skins	Specify *with 3 skins.*
	• 4 Skins	Specify *with 4 skins.*
	• 5 Skins	Specify *with 5 skins.*
Top Mount Type	• Ceiling	Specify *with ceiling top mount.*
	• Intermediate	Specify *with intermediate top mount.*
Bottom Mount Type	• Floor	Specify *with floor bottom mount.*
	• Intermediate	Specify *with intermediate bottom mount.*
Cable Management	**Cut-out count**	
	• No holes	Specify *with no holes.*
	• One hole	Specify *with one hole.*
	• Two holes	Specify *with two holes.*
	Cut-out count placement, if cut-out(s) selected	
	• Skin 1	Specify *with skin 1.*
	• Skin 2	Specify *with skin 2.*
	• Skin 3	Specify *with skin 3.*
	• Skin 4	Specify *with skin 4.*
	• Skin 5	Specify *with skin 5.*
	Cut-out position for each skin, if selected	
	• Cut-out 1 location	Specify X and Y dimensions for cut-out 1.
	• Cut-out 2 location	Specify X and Y dimensions for cut-out 2.

▶**Required Selections, continued on next page**

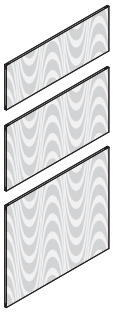
▶**Required Selections, continued from previous page**

	Required Selections	Required to Specify
Cable Management, continued	**Cut-out type for each skin, if selected**	
	• Hardwire single	Specify *with hardwire single cut-out type for each applicable location.*
	• Hardwire double	Specify *with hardwire double cut-out type for each applicable location.*
	• Hardwire triple	Specify *with hardwire triple cut-out type for each applicable location.*
	• Hardwire fourplex	Specify *with hardwire fourplex cut-out type for each applicable location.*
	• Modular double	Specify *with modular double cut-out type for each applicable location.*
	• Communication only – modular	Specify *with communication only – modular cut-out type for each applicable location.*
	• Communication only – no box	Specify *with communication only – no box cut-out type for each applicable location.*

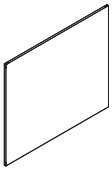
Specification Information

- **Style Number**

FESSVS



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 46	• 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 Top mount type (see below under Required Selections) 6 Bottom mount type (see below under Required Selections) 7 Cable management cut-out and cut-out type (see below under Required Selections) ▶See Surface Materials, page 266.

	Required Selections	Required to Specify
Surface Materials	**Skin surface**	
	• Laminate price group 1 (Low-Pressure Laminate or High-Pressure Laminate)	Specify laminate color number.
	• Laminate price group 2 (High-Pressure Laminate)	Specify laminate color number.
	• Open Line laminate	▶See *Surface Materials Reference Manual.*
	Wood grain direction for wood grain laminates	
	• Horizontal application	Specify *with horizontal application.*
	• Vertical application	Specify *with vertical application.*
Top Mount Type	• Ceiling	Specify *with ceiling top mount.*
	• Intermediate	Specify *with intermediate top mount.*
Bottom Mount Type	• Floor	Specify *with floor bottom mount.*
	• Intermediate	Specify *with intermediate bottom mount.*
Cable Management	**Cut-out count**	
	• No holes	Specify *with no holes.*
	• One hole	Specify *with one hole.*
	• Two holes	Specify *with two holes.*
	• Three holes	Specify *with three holes.*
	• Four holes	Specify *with four holes.*
	• Five holes	Specify *with five holes.*
	• Six holes	Specify *with six holes.*
	• Seven holes	Specify *with seven holes.*
	• Eight holes	Specify *with eight holes.*
	• Nine holes	Specify *with nine holes.*
	Cut-out position, if cut-out(s) selected	
	• Cut-out 1 location	Specify X and Y dimensions for cut-out 1.
	• Cut-out 2 location	Specify X and Y dimensions for cut-out 2.
	• Cut-out 3 location	Specify X and Y dimensions for cut-out 3.
	• Cut-out 4 location	Specify X and Y dimensions for cut-out 4.
	• Cut-out 5 location	Specify X and Y dimensions for cut-out 5.
	• Cut-out 6 location	Specify X and Y dimensions for cut-out 6.
	• Cut-out 7 location	Specify X and Y dimensions for cut-out 7.
	• Cut-out 8 location	Specify X and Y dimensions for cut-out 8.
	• Cut-out 9 location	Specify X and Y dimensions for cut-out 9.

▶**Required Selections, continued on next page**

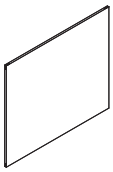
▶Required Selections, continued from previous page

	Required Selections	Required to Specify
Cable Management, continued	**Cut-out type, if cut-out(s) selected**	
	• Hardwire single	Specify *with hardwire single cut-out type for each applicable location.*
	• Hardwire double	Specify *with hardwire double cut-out type for each applicable location.*
	• Hardwire triple	Specify *with hardwire triple cut-out type for each applicable location.*
	• Hardwire fourplex	Specify *with hardwire fourplex cut-out type for each applicable location.*
	• Modular double	Specify *with modular double cut-out type for each applicable location.*
	• Communication only – modular	Specify *with communication only – modular cut-out type for each applicable location.*
	• Communication only – no box	Specify *with communication only – no box cut-out type for each applicable location.*
	• Surface Hub 2	Specify *with Surface Hub 2 cut-out for each applicable location.*

Specification Information

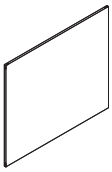
- **Style Number**

FESSL



Ceramic Skin

Ceramic Skin



Standard Includes	Required to Specify
▶ Need help? Product details, page 46	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		Required to Specify
Top Mount Type	• Ceiling	Specify *with ceiling top mount.*
	• Intermediate	Specify *with intermediate top mount.*
Bottom Mount Type	• Floor	Specify *with floor bottom mount.*
	• Intermediate	Specify *with intermediate bottom mount.*

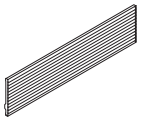
Specification Information

- **Style Number**

FESC

Slatwall Skin and Hardware

Slatwall Skin



Standard Includes	Required to Specify
▶Need help? Product details, page 49	1 Style number 2 Height (see below under Required Selections) 3 Width 4 Paint color number for skin ▶See *Surface Materials,* page 266.
• Width: 24"–60" • Slatwall skin: paint • Top mount: intermediate only • Bottom mount: intermediate only	

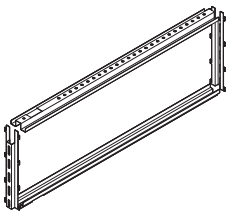
Required Selections	Required to Specify
Height • 6" • 12" • 18" • 24"	Specify 6"H. Specify 12"H. Specify 18"H. Specify 24"H.

Specification Information

- **Style Number**

FESW

Double Slatwall Skin Hardware



Standard Includes	Required to Specify
▶Need help? Product details, page 49	1 Style number 2 Height (see below under Required Selections) 3 Width
• Hardware package for mounting back-to-back slatwall skins to internal framing components • Width: 24"–60"	

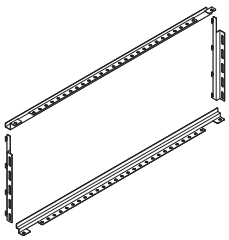
Required Selections	Required to Specify
Height • 6" • 12" • 18" • 24"	Specify 6"H. Specify 12"H. Specify 18"H. Specify 24"H.

Specification Information

- **Style Number**

FESHSD

Single Slatwall Skin Hardware



Standard Includes	Required to Specify
▶ Need help? Product details, page 49	• Hardware package for mounting slatwall skin to internal framing components • Width: 24"–60"	1 Style number 2 Height (see below under Required Selections) 3 Width

Required Selections		Required to Specify
Height	• 6" • 12" • 18" • 24"	Specify 6"H. Specify 12"H. Specify 18"H. Specify 24"H.

Specification Information

• Style Number
FESHSS

Flush Skin Seal

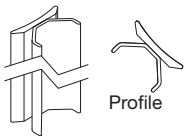
Profile

Standard Includes	Required to Specify
▶ Need help? Product details, page 46	• Flush skin seal: clear plastic • Length: 120"	Style number

Specification Information

• Style Number
FESSF

90° Inside Corner Flush Skin Seal

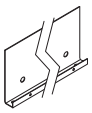


Standard Includes	Required to Specify
▶ Need help? Product details, page 48	• Flush skin seal: clear plastic • Length: 120"	Style number

Specification Information

• Style Number	
FESSFIC90	

Cove Base Trim - Straight



Standard Includes	Required to Specify
▶ Need help? Product details, page 48	• Cove base trim • Length: 75"	Style number

Specification Information

• Style Number	
FEBTSC	

Junction Cover Retention Clip

Standard Includes	Required to Specify
▶ Need help? Product details, page 49	• Single clip: steel	Style number

Specification Information

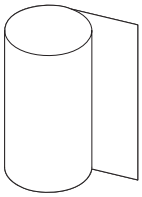
• Style Number	
FEIJRC	

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.

Acoustic Products

Acoustic Insulation



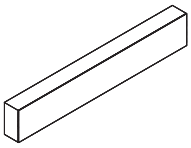
	Standard Includes	Required to Specify
▶ Need help? Product details, page 49	• One roll – 48" wide x 87 feet long x 2 layers (696 square feet)	Style number

Specification Information

- **Style Number**

FESIA

Acoustic Skin Seal



Tip: Horizontal acoustic seals are cut to length during installation.

	Standard Includes	Required to Specify
▶ Need help? Product details, page 46	• 120"W seal	Style number

Specification Information

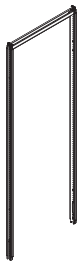
- **Style Number**

FESSA2

Specifying Reversible Swing Doors

Single Reversible Swing Door Frame	**176**
Single Reversible Solid Swing Door Leaf	**177**
Single Reversible Polished Edge Swing Door Leaf	**178**
Pair of Reversible Swing Door Frames	**179**
Pair of Reversible Solid Swing Door Leaves	**180**
Pair of Reversible Polished Edge Swing Door Leaves	**181**
Door Hardware	**182**

Single Reversible Swing Door Frame



Standard Includes	Required to Specify
▶ Need help? Product details, page 52	• Door frame: paint or 8043 Clear Anodized Aluminum • Height: 82.44100"–123.71627" • Width: 28"–44.445" • Hinges: 8031 Satin Stainless or 9201 Polished Chrome • Strike plate	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum or paint color number for frame 5 Satin stainless or polished chrome 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 Roller latch (see below under Required Selections) 10 Door hardware (see below under Required Selections) 11 Strike plate (see below under Required Selections) 12 Electrification (see below under Required Selections) ▶ See *Surface Materials,* page 266.

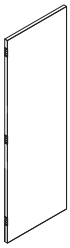
Required Selections		Required to Specify
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
Door Type	• Solid • Polished edge	Specify *with solid.* Specify *with polished edge.*
Latch Prep	• Cylindrical • Ladder aligned • Ladder offset • Mortise • Push/pull handles	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	Specify *with no roller latch.* Specify *with roller latch.*
Door Hardware (only if cylindrical or mortise)	• Satin chrome • Polished chrome	Specify *with satin chrome.* Specify *with polished chrome.*
Strike Plate (if latch prep is mortise)	• Type 1 • Type 2 • No strike plate	Specify *with type 1.* Specify *with type 2.* Specify *with no strike plate.*
Electrification	• No electric hinge • For use with electric hinge	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.

Specification Information

• Style Number
FEDFSWSR

Single Reversible Solid Swing Door Leaf



Standard Includes	Required to Specify
▶ Need help? Product details, page 52	• 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 Door hardware (see below under Required Selections)
11 Electrification (see below under Required Selections)

▶ See *Surface Materials,* page 266.

Required Selections		Required to Specify
Acoustic Seal	• No seal • Drop seal	Specify *with no seal.* Specify *with drop seal.*
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Latch Prep	• Cylindrical • Ladder aligned • Ladder offset • Mortise • Push/pull handles	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 (surface mounted door closer) • Top roller latch (no door closer)	Specify *with no roller latch.* Specify *with roller latch.*
Door Closer (only if mortise or cylindrical)	• No door closer • Surface mounted door closer	Specify *with no door closer.* Specify *with surface mounted door closer.*
Door Hardware (only if cylindrical or mortise)	• Satin chrome • Polished chrome	Specify *with satin chrome.* Specify *with polished chrome.*
Electrification	• No electric hinge • For use with electric hinge	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.

Specification Information

• Style Number
FEDLSWSSR

Single Reversible Polished Edge Swing Door Leaf

Standard Includes	Required to Specify
▶ Need help? Product details, page 52	• Door leaf: polished edge glass • Height: 82.44100"–123.71627" • Width: 28"–44.445"

1 Style number
2 Height
3 Width
4 Glass number for door leaf
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)

▶ See *Surface Materials,* page 266.

Tip: Glass orientation applies only when 6542 Satin or 6588 Bamboo glass finishes specified.

Required Selections		Required to Specify
Glass Orientation	• Polished to inside • Polished to outside	Specify *with polished to inside.* Specify *with polished to outside.*
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
Latch Prep	• Cylindrical • Ladder aligned • Ladder offset • Mortise • Push/pull handles	Specify *with cylindrical.* Specify *with ladder aligned.* Specify *with ladder offset.* Specify *with mortise.* Specify *with push/pull handles.*
Frame Prep (only if push/ pull handles)	• No roller latch (surface mounted door closer) • Top roller latch (no door closer)	Specify *with no roller latch.* Specify *with roller latch.*
Door Closer (only if mortise or cylindrical)	• No door closer • Surface mounted door closer	Specify *with no door closer.* Specify *with surface mounted door closer.*
Door Hardware (only if mortise or cylindrical)	• Satin chrome • Polished chrome	Specify *with satin chrome.* Specify *with polished chrome.*

Specification Information

• Style Number
FEDLSWPSR

Pair of Reversible Swing Door Frames

▶ Need help?
Product details, page 52

Standard Includes

- Door frame: paint or 8043 Clear Anodized Aluminum
- Height: 82.44100"–123.71627"
- Width: 48"–80"
- Hinges: 8031 Satin Stainless or 9201 Polished Chrome
- Strike plate
- 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 Satin stainless or polished chrome 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)

▶ See *Surface Materials,* page 266.

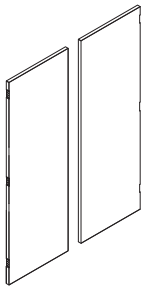
Required Selections		Required to Specify
Acoustic Seal	• No seal	Specify *with no seal.*
	• Drop seal	Specify *with drop seal.*
	• Vertical seal	Specify *with vertical seal.*
	• Drop seal and vertical seal	Specify *with drop and vertical seal.*
Top Mount Type	• Ceiling	Specify *with ceiling mount.*
	• Intermediate	Specify *with intermediate mount.*
Handedness	• Right-hand active	Specify *with right-hand.*
	• Left-hand active	Specify *with left-hand.*
	• Both hands active	Specify *with both hands active.*
Door Type	• Solid	Specify *with solid.*
	• Polished edge	Specify *with polished edge.*
Roller Latch	• No roller latch	Specify *with no roller latch.*
	• Roller latch	Specify *with roller latch.*
Door hardware	• Satin chrome	Specify *with satin chrome.*
	• Polished chrome	Specify *with polished chrome.*
Electrification	• No electric hinge	Specify *with no electrification.*
	• For use with electric hinge	Specify *with electrification.*

Specification Information

Style Number

FEDFSWPR

Pair of Reversible Solid Swing Door Leaves



Standard Includes	Required to Specify
▶ Need help? Product details, page 52	• 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)

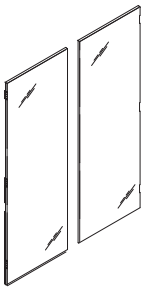
▶ See *Surface Materials,* page 266.

Required Selections		Required to Specify
Acoustic Seal	• No seal	Specify *with no seal.*
	• Drop seal	Specify *with drop seal.*
	• Vertical seal	Specify *with vertical seal.*
	• Drop seal and vertical seal	Specify *with drop and vertical seal.*
Top Mount Type	• Ceiling	Specify *with ceiling mount.*
	• Intermediate	Specify *with intermediate mount.*
Handedness	• Right-hand active	Specify *with right-hand.*
	• Left-hand active	Specify *with left-hand.*
	• Both hands active	Specify *with both hands active.*
Latch Prep	• Cylindrical	Specify *with cylindrical.*
	• Ladder, aligned	Specify *with ladder, aligned.*
	• Ladder, offset	Specify *with ladder, offset.*
	• Mortise	Specify *with mortise.*
	• No latch prep	Specify *with no latch prep.*
	• Push/pull handles	Specify *with push/pull handles.*
Roller Latch (only if ladder or no latch prep)	• No roller latch	Specify *with no roller latch.*
	• Roller latch	Specify *with roller latch.*
Door Closer	• No door closer	Specify *with no door closer.*
	• Surface mounted door closer	Specify *with surface mounted door closer.*
Electrification	• No electric hinge	Specify *with no electrification.*
	• For use with electric lock	Specify *with electrification lock.*
	• For use with electric strike	Specify *with electrification strike.*

Specification Information

• **Style Number**	
FEDLSWSPR	

Pair of Reversible Polished Edge Swing Door Leaves



Standard Includes	Required to Specify
▶ Need help? Product details, page 52	• Door leaf: polished edge glass • Height: 82.44100"–123.71627" • Width: 48"–80"	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) ▶ See *Surface Materials,* page 266.

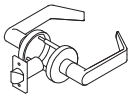
Required Selections		Required to Specify
Glass Orientation	• Polished to inside • Polished to outside	Specify *with polished to inside.* Specify *with polished to outside.*
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Handedness	• Both hands active	Specify *with both hands active.*
Latch Prep	• Ladder, aligned • Ladder, offset • Push/pull handles	Specify *with ladder, aligned.* Specify *with ladder, offset.* Specify *with push/pull handles.*
Roller Latch	• No roller latch • Roller latch	Specify *with no roller latch.* Specify *with roller latch.*
Door Closer	• No door closer • Surface mounted door closer	Specify *with no door closer.* Specify *with surface mounted door closer.*

Specification Information

• Style Number
FEDLSWPPR

Door Hardware

Cylindrical Latch Set



	Standard Includes	Required to Specify
▶ Need help? Product details, page 53	• Cylindrical latch set	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)

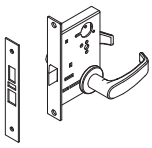
	Required Selections	Required to Specify
Hardware Finish	• Satin chrome • Polished chrome	Specify *with satin chrome.* Specify *with polished chrome.*
Latch Prep	• Passage • Lockset	Specify *with passage.* Specify *with lockset.*
Keying	• Core, keyed random • No core • No key	Specify *with core.* Specify *with no core.* Specify *with no key.*

Specification Information

- **Style Number**

FEDCLO

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.

	Standard Includes	Required to Specify
▶ Need help? Product details, page 53	• Mortise latch set	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)

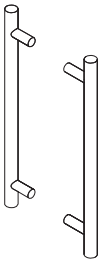
	Required Selections	Required to Specify
Hardware Finish	• Satin chrome • Polished chrome	Specify *with satin chrome.* Specify *with polished chrome.*
Latch Prep	• Passage • Lockset	Specify *with passage.* Specify *with lockset.*
Keying	• Core, keyed random • No cylinder • No key	Specify *with core.* Specify *with no cylinder.* Specify *with no key.*

Specification Information

- **Style Number**

FEDMLO

Push/Pull Handle

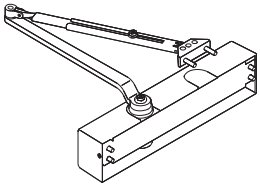


	Standard Includes	Required to Specify
▶Need help? Product details, page 53	• Push/pull handle: 8031 Satin Stainless	Style number

Specification Information

• Style Number
FEDPPH

Door Closer



	Standard Includes	Required to Specify
▶Need help? Product details, page 54	• Surface mounted door closer: 4799 Platinum	1 Style number 2 Door type (see below under Required Selections)

	Required Selections	Required to Specify
Door Type	• Solid • Polished edge	Specify *with solid.* Specify *with polished edge.*

Specification Information

• Style Number
FEDCLS

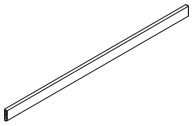
Roller Latch

	Standard Includes	Required to Specify
▶Need help? Product details, page 54	• Roller latch: 8031 Satin Stainless	Style number

Specification Information

• Style Number
FEDRL

Door Drop Seal



	Standard Includes	Required to Specify
▶Need help? Product details, page 54	• Drop seal for reversible swing door • Width: 28"–44.445"	1 Style number 2 Width 3 Door Type (See below under Required Selections) ▶See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Door Type	• Solid • Polished edge	Specify *with solid.* Specify *with polished edge.*

Specification Information

- **Style Number**

FEDDS

Electric Hinge

	Standard Includes	Required to Specify
▶Need help? Product details, page 54	• One electric hinge with wire conductors	1 Style number 2 Hardware finish (see below under Required Selections)

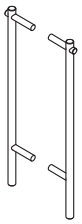
	Required Selections	Required to Specify
Hardware Finish	• Satin chrome • Polished chrome	Specify *with satin chrome.* Specify *with polished chrome.*

Specification Information

- **Style Number**

FEDHE

Ladder Pull, Aligned



Tip: Latch prep with lockset includes cylinder with random keyed removable core.

Standard Includes	Required to Specify
▶Need help? Product details, page 54	1 Style number 2 Latch prep (see below under Required Selections) 3 Keying (see below under Required Selections) 4 Door type (See below under Required Selections) ▶See *Surface Materials,* page 266.
• Ladder pull, aligned: 8031 Satin Stainless	

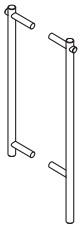
Required Selections		Required to Specify
Latch Prep	• Passage • Lockset	Specify *with passage.* Specify *with lockset.*
Door Type	• Solid • Polished edge	Specify *with solid.* Specify *with polished edge.*

Specification Information

• Style Number

FEDLPA

Ladder Pull, Offset



Tip: Latch prep with lockset includes cylinder with random keyed removable core.

Standard Includes	Required to Specify
▶Need help? Product details, page 54	1 Style number 2 Latch prep (see below under Required Selections) 3 Keying (see below under Required Selections) 4 Door type (see below under Required Selections) ▶See *Surface Materials,* page 266.
• Ladder pull, offset: 8031 Satin Stainless	

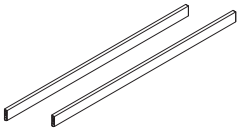
Required Selections		Required to Specify
Latch Prep	• Passage • Lockset	Specify *with passage.* Specify *with lockset.*
Door Type	• Solid • Polished edge	Specify *with solid.* Specify *with polished edge.*

Specification Information

• Style Number

FEDLPO

Door Drop Seals



Standard Includes	Required to Specify
▶Need help? Product details, page 54	• Pair of door drop seals: 8031 Satin Stainless	1 Style number 2 Door type (See below under Required Selections) ▶See *Surface Materials,* page 266.

Required Selections		Required to Specify
Door Type	• Solid	Specify *with solid.*
	• Polished edge	Specify *with polished edge.*

Specification Information

Style Number

FEDDSP

Flush Bolts

Standard Includes	Required to Specify
▶Need help? Product details, page 55	• Pair of flush bolts: metal	1 Style number 2 Hardware finish (See below under Required Selections) ▶See *Surface Materials,* page 266.

Required Selections		Required to Specify
Hardware Finish	• Satin chrome	Specify *with satin chrome.*
	• Polished chrome	Specify *with polished chrome.*

Specification Information

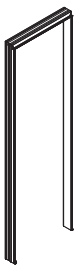
Style Number

FEDFBP

Specifying Slider Doors

Single Surface Mounted Slider Door Frame 188
Single Surface Mounted Polished Edge Slider Door Leaf 189
Basic Single Surface Mounted Slider Door Track 190
Reinforced Single Surface Mounted Slider Door Track 191
Frame for Pair of Surface Mounted Slider Doors 192
Pair of Surface Mounted Polished Edge Slider Door Leaves 193
Reinforced Track for Pair of Surface Mounted Slider Doors 194
Slider Door Track Bracket 195

Single Surface Mounted Slider Door Frame



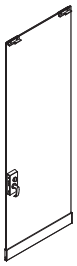
Standard Includes	Required to Specify
▶ Need help? Product details, page 58	• Door frame: paint or 8043 Clear Anodized Aluminum • Height: 80.984"–120" • Width: 38"–48" • Door type: polished edge • Tubular door pull	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum color number for frame 5 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) ▶ See *Surface Materials,* page 266.

Required Selections		Required to Specify
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
Lock	• No lever lock • Lever lock	Specify *with no lock.* Specify *with lever lock.*
Pull	• Push/pull • Separate pull	Specify *with push/pull.* Specify *with separate pull.*
Keying	• No cylinder • Core, keyed random	Specify *with no cylinder.* Specify *with core.*
Lever	• No lever • Lever one	Specify *with no lever.* Specify *with lever one.*
Cylinder Orientation	• Key inside • Key outside	Specify *with key inside.* Specify *with key outside.*

Specification Information

• **Style Number**
FEDFSLSM

Single Surface Mounted Polished Edge Slider Door Leaf



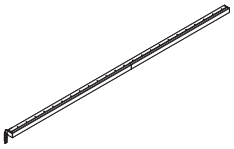
Standard Includes	Required to Specify
▶ Need help? Product details, page 58	1 Style number 2 Height 3 Width 4 Glass color number for door leaf 5 Paint or anodized aluminum color number for bottom trim 6 Glass surface orientation (see below for Required Selections) 7 Top mount type (see below for Required Selections) 8 Handedness (see below for Required Selections) 9 Latch prep (see below for Required Selections) 10 Acoustic seal (see below for Required Selections) ▶ See *Surface Materials,* page 266.
• Door leaf: 1/2" thick polished edge glass • Bottom trim: paint or 8043 Clear Anodized Aluminum • Height: 80.984"–120" • Width: 38"–48"	

Required Selections		Required to Specify
Glass Surface Orientation	• Polished to inside • Polished to outside	Specify *with polished to inside.* Specify *with polished to outside.*
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
Latch Prep	• Ladder aligned • Ladder offset • Lever lock • Push/pull	Specify *with ladder aligned.* Specify *with ladder offset.* Specify *with lever lock.* Specify *with push/pull.*
Acoustic Seal	• No seal • Drop seal	Specify *with no seal.* Specify *with drop seal.*

Specification Information

• **Style Number**
FEDLSLPSM

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 58	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) ▶ See *Surface Materials,* page 266.
• Door track: paint or 8043 Clear Anodized Aluminum • Width: 6"–144" • Door type: polished edge	

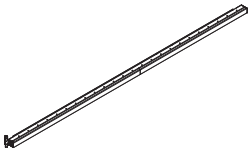
Tip: Handedness, bracket hole count, and bracket hole location only required if hardware is selected.

Required Selections	Required to Specify
Hardware • No hardware • Hardware	Specify *with no hardware.* Specify *with hardware.*
Handedness • Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
End Configuration, Left • Actual • At adapter • L junction • Support junction • At junction • At bypass • Support bypass • Cut	Specify actual. Specify at adapter. Specify at L junction. Specify at support junction. Specify at junction. Specify at bypass. Specify at support bypass. Specify cut.
End Configuration, Right • Actual • At adapter • L junction • Support junction • At junction • At bypass • Support bypass • Cut	Specify actual. Specify at adapter. Specify at L junction. Specify at support junction. Specify at junction. Specify at bypass. Specify at support bypass. Specify cut.
Utility Panel • No utility panel • Utility panel	Specify *with no utility panel.* Specify *with utility panel.*
End Notch • No notch • Left notch • Right notch • Both notch	Specify no notch. Specify left notch. Specify right notch. Specify both notch.
Bracket Hole Count • One hole • Two holes	Specify *with one hole.* Specify *with two holes.*
Bracket Hole Location • Hole one location • Hole two location, if selected	Specify X dimension for hole one. Specify X dimension for hole two, if selected.

Specification Information

• Style Number
FEDTSLSMB

Reinforced Single Surface Mounted Slider Door Track



▶ Need help?
Product details, page 58

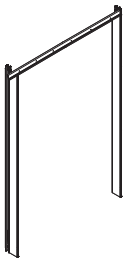
Standard Includes	Required to Specify
• Door track: paint or 8043 Clear Anodized Aluminum • Width: 98.00001"–168" • Door type: polished edge	1 Style number 2 Width 3 Paint or anodized aluminum color number for door track 4 Handedness (see below under Required Selections) 5 End configuration left (see below under Required Selections) 6 End configuration right (see below under Required Selections) 7 Utility panel configuration (see below under Required Selections) 8 Bracket hole location (see below under Required Selections) ▶ See *Surface Materials,* page 266.

Required Selections		Required to Specify
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
End Configuration, Left	• Actual	Specify actual.
End Configuration, Right	• Actual	Specify actual.
Utility Panel	• No utility panel • Utility panel	Specify *with no utility panel.* Specify *with utility panel.*
Bracket Hole Location	• Hole one location	Specify X dimension for hole one.

Specification Information

• **Style Number**
FEDTSLSMR

Frame for Pair of Surface Mounted Slider Doors



Standard Includes	Required to Specify
▶ Need help? Product details, page 58	• 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)

▶ See *Surface Materials*, page 266.

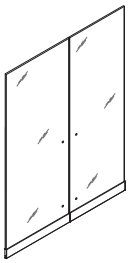
Required Selections		Required to Specify
Top Mount Type	• Ceiling	Specify *with ceiling mount.*
	• Intermediate	Specify *with intermediate mount.*

Specification Information

• **Style Number**

FEDFSLPM

Pair of Surface Mounted Polished Edge Slider Door Leaves



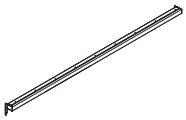
Standard Includes	Required to Specify
▶ Need help? Product details, page 58	• Door leaf: 1/2" thick polished edge glass • Bottom trim: paint or 8043 Clear Anodized Aluminum • Height: 80.984" - 120" • Width: 60" - 80"	1 Style number 2 Height 3 Width 4 Glass color number for door leaf 5 Paint or anodized 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) ▶ See *Surface Materials,* page 266.

Required Selections		Required to Specify
Glass Surface Orientation	• Polished to inside	Specify *with polished to inside.*
	• Polished to outside	Specify *with polished to outside.*
Top Mount Type	• Ceiling	Specify *with ceiling mount.*
	• Intermediate	Specify *with intermediate mount.*
Latch Prep	• Ladder aligned	Specify *with ladder aligned.*
	• Ladder offset	Specify *with ladder offset.*
	• Push/pull	Specify *with push/pull.*

Specification Information

• **Style Number**
FEDLSLPPM

Reinforced Track for Pair of Surface Mounted Slider Doors



Standard Includes	Required to Specify
▶ Need help? Product details, page 58	• 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 one location (see below under Required Selections) 7 Bracket hole two location (see below under Required Selections) ▶ See *Surface Materials,* page 266.

Required Selections		Required to Specify
End Configuration, Left	• Actual	Specify actual.
End Configuration, Right	• Actual	Specify actual.
Bracket Hole Location	• Hole one location • Hole two location	Specify X dimension for hole one. Specify X dimension for hole two.

Specification Information

• **Style Number**
FEDTSLPMR

Slider Door Track Bracket

Standard Includes	Required to Specify
▶ Need help? Product details, page 60	• 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) ▶ See *Surface Materials,* page 266.

Required Selections		Required to Specify
Top Mount Type	• Ceiling • Intermediate	Specify *with ceiling mount.* Specify *with intermediate mount.*
Bracket Type	• L at left • L at right • T at center	Specify *with L at left.* Specify *with L at right.* Specify *with T at center.*

Specification Information

• **Style Number**
FEDTSLB

Specifying Intersections—Junctions and Adapters

Two-Way Fixed Angle Junction Assembly	**198**
Two-Way Variable Angle Junction Assembly	**199**
Three-Way Junction Assembly	**200**
Four-Way Junction Assembly	**201**
Junction Covers, Trim, Hardware, and Seals	**202**
90° T/X Adapter and Finished End	**209**

Two-Way Fixed Angle Junction Assembly

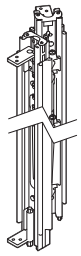
Standard Includes	Required to Specify
▶Need help? Product details, page 75	1 Style number 2 Height 3 Plastic color number for seal 4 Angle (see below under Required Selections) 5 Horizontal hole cut-out (see below under Required Selections) ▶See *Surface Materials,* page 266.
• Junction assembly • Height: 80"–144" • Seal: plastic	

Required Selections	Required to Specify
Fixed Angles	
• 90°	Specify *with 90° angle.*
• 120°	Specify *with 120° angle.*
• 135°	Specify *with 135° angle.*
• 180°	Specify *with 180° angle.*
Horizontal Hole Cut-Out	
Horizontal Hole	
• No holes	Specify *with no holes.*
• Hole 1 location	Specify Y dimension for hole 1.
• Hole 2 location	Specify Y dimension for hole 2.
• Hole 3 location	Specify Y dimension for hole 3.
• Hole 4 location	Specify Y dimension for hole 4.
• Hole 5 location	Specify Y dimension for hole 5.
• Hole 6 location	Specify Y dimension for hole 6.
• Hole 7 location	Specify Y dimension for hole 7.
• Hole 8 location	Specify Y dimension for hole 8.
• Hole 9 location	Specify Y dimension for hole 9.
• Hole 10 location	Specify Y dimension for hole 10.
• Hole 11 location	Specify Y dimension for hole 11.

Specification Information

• **Style Number**
FEIJA2F

Two-Way Variable Angle Junction Assembly



Standard Includes	Required to Specify
▶Need help? Product details, page 75	1 Style number
• Junction assembly	2 Height
• Height: 80"–144"	3 Plastic color number for seal
• Seal: plastic	4 Angle (see below under Required Selections)
	5 Horizontal hole cut-out (see below under Required Selections)
	▶See *Surface Materials*, page 266.

Required Selections		Required to Specify
Angle	• 91°–119°	Specify angle in 1° increment.
	• 121°–134°	Specify angle in 1° increment.
	• 136°–179°	Specify angle in 1° increment.
Horizontal Hole Cut-Out	**Horizontal Hole**	
	• No holes	Specify *with no holes.*
	• Hole 1 location	Specify Y dimension for hole 1.
	• Hole 2 location	Specify Y dimension for hole 2.
	• Hole 3 location	Specify Y dimension for hole 3.
	• Hole 4 location	Specify Y dimension for hole 4.
	• Hole 5 location	Specify Y dimension for hole 5.
	• Hole 6 location	Specify Y dimension for hole 6.
	• Hole 7 location	Specify Y dimension for hole 7.
	• Hole 8 location	Specify Y dimension for hole 8.
	• Hole 9 location	Specify Y dimension for hole 9.
	• Hole 10 location	Specify Y dimension for hole 10.
	• Hole 11 location	Specify Y dimension for hole 11.

Specification Information

• **Style Number**
FEIJA2V

Three-Way Junction Assembly

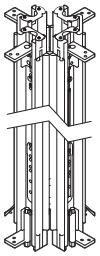
	Standard Includes	Required to Specify
▶Need help? Product details, page 75	• Junction assembly • Height: 80"–144" • Seal: plastic	1 Style number 2 Height 3 Plastic color number for seal 4 Angle (see below under Required Selections) 5 Horizontal hole cut-out (see below under Required Selections) ▶See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Angle	• 90° • 120° • 135°	Specify *with 90° angle.* Specify *with 120° angle.* Specify *with 135° angle.*
Horizontal Hole Cut-Out	**Horizontal Hole** • No holes • Hole 1 location • Hole 2 location • Hole 3 location • Hole 4 location • Hole 5 location • Hole 6 location • Hole 7 location • Hole 8 location • Hole 9 location • Hole 10 location • Hole 11 location	 Specify *with no holes.* Specify Y dimension for hole 1. Specify Y dimension for hole 2. Specify Y dimension for hole 3. Specify Y dimension for hole 4. Specify Y dimension for hole 5. Specify Y dimension for hole 6. Specify Y dimension for hole 7. Specify Y dimension for hole 8. Specify Y dimension for hole 9. Specify Y dimension for hole 10. Specify Y dimension for hole 11.

Specification Information

• **Style Number**
FEIJA3

Four-Way Junction Assembly



Standard Includes	Required to Specify
▶Need help? Product details, page 75	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 266.

Required Selections		Required to Specify
Horizontal Hole Cut-Out	**Horizontal Hole**	
	• No holes	Specify *with no holes.*
	• Hole 1 location	Specify Y dimension for hole 1.
	• Hole 2 location	Specify Y dimension for hole 2.
	• Hole 3 location	Specify Y dimension for hole 3.
	• Hole 4 location	Specify Y dimension for hole 4.
	• Hole 5 location	Specify Y dimension for hole 5.
	• Hole 6 location	Specify Y dimension for hole 6.
	• Hole 7 location	Specify Y dimension for hole 7.
	• Hole 8 location	Specify Y dimension for hole 8.
	• Hole 9 location	Specify Y dimension for hole 9.
	• Hole 10 location	Specify Y dimension for hole 10.
	• Hole 11 location	Specify Y dimension for hole 11.

Specification Information

- **Style Number**

FEIJA4

Junction Covers, Trim, Hardware, and Seals

Inner Junction Cover

	Standard Includes	Required to Specify
▶Need help? Product details, page 74	• 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) ▶See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Fixed Angles	• 120° • 135°	Specify *with 120° angle.* Specify *with 135° angle.*

Specification Information

- **Style Number**

FEIJCI

Variable Angle Inner Junction Cover

	Standard Includes	Required to Specify
▶Need help? Product details, page 74	• Junction cover: paint • Height: 77.71654"–141.71654"	1 Style number 2 Paint color number for cover 3 Height 4 Angle (see below under Required Selections) ▶See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Variable Angles	• 91°–119° • 121°–134° • 136°–179°	Specify angle in 1° increment. Specify angle in 1° increment. Specify angle in 1° increment.

Specification Information

- **Style Number**

FEIJCIV

90° Inner Junction Trim

	Standard Includes	Required to Specify
▶Need help? Product details, page 74	• Junction trim: paint • Height: 77.71654"–141.71654"	1 Style number 2 Paint color number for trim 3 Height ▶See *Surface Materials,* page 266.

Specification Information
• **Style Number**
FEI90T

Outer Junction Cover

	Standard Includes	Required to Specify
▶Need help? Product details, page 74	• 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) ▶See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Fixed Angles	• 90° • 120° • 135° • 180°	Specify *with 90° angle.* Specify *with 120° angle.* Specify *with 135° angle.* Specify *with 180° angle.*
Bottom Alignment (for 180° cover)	• To the skin • To the floor	Specify *with to the skin.* Specify *with to the floor.*

Specification Information
• **Style Number**
FEIJCO

Variable Angle Outer Junction Cover

Standard Includes	Required to Specify
▶Need help? Product details, page 76	1 Style number 2 Paint color number for cover 3 Height 4 Angle (see below under Required Selections) ▶See *Surface Materials,* page 266.
• Junction cover: paint • Height: 77.71654"–141.71654" • Seal	

Required Selections	Required to Specify
Variable Angles	
• 91°–119°	Specify angle in 1° increment.
• 121°–134°	Specify angle in 1° increment.
• 136°–179°	Specify angle in 1° increment.

Specification Information

Style Number

FEIJCOV

Bypass Outer Junction Cover

Standard Includes	Required to Specify
▶Need help? Product details, page 78	1 Style number 2 Paint or anodized aluminum color number for cover 3 Height ▶See *Surface Materials,* page 266.
• Junction cover: paint or 8043 Clear Anodized Aluminum • Height: 77.71654"–141.71654" • Bottom alignment: to the skin	

Specification Information

Style Number

FEIJCOB

Two-Way Junction Hardware

Standard Includes	Required to Specify
▶Need help? Product details, page 74 • Hardware • Height: 80"–144"	1 Style number 2 Height 3 Angle (see below under Required Selections)

Required Selections	Required to Specify
Fixed Angles • 90° • 120° • 135° • 180°	Specify *with 90° angle.* Specify *with 120° angle.* Specify *with 135° angle.* Specify *with 180° angle.*

Specification Information

• **Style Number**

FEIJH2

Two-Way Variable Angle Junction Hardware

Standard Includes	Required to Specify
▶Need help? Product details, page 74 • Hardware • Height: 80"–144"	1 Style number 2 Height 3 Angle (see below under Required Selections)

Required Selections	Required to Specify
Variable Angles • 91°–119° • 121°–134° • 136°–179°	Specify angle in 1° increment. Specify angle in 1° increment. Specify angle in 1° increment.

Specification Information

• **Style Number**

FEIJH2V

Three-Way Junction Hardware

Standard Includes	Required to Specify
▶ Need help? Product details, page 74	1 Style number 2 Height 3 Angle (see below under Required Selections)

Required Selections	Required to Specify
Fixed Angles • 90° • 120° • 135°	Specify *with 90° angle.* Specify *with 120° angle.* Specify *with 135° angle.*

Specification Information

• **Style Number**
FEIJH3

Four-Way Junction Hardware

Standard Includes	Required to Specify
▶ Need help? Product details, page 74	1 Style number 2 Height

Specification Information

• **Style Number**
FEIJH4

Two-Way Bypass Junction Hardware

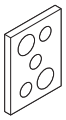
Standard Includes	Required to Specify
▶ Need help? Product details, page 74	• Hardware • Height: 80"–144"	1 Style number 2 Height

Specification Information

- **Style Number**

FEIJHB

Junction Nut Plate



Standard Includes	Required to Specify
▶ Need help? Product details, page 74	• Nut plate	Style number

Specification Information

- **Style Number**

FEIJNP

Junction Seals

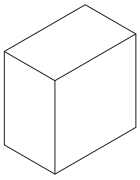
Standard Includes	Required to Specify
▶ Need help? Product details, page 74	• Junction seal	Style number

Specification Information

- **Style Number**

Junction Cover Seal

FEIJS



Bottom Junction Seal

FEIJBS

90° T/X Adapter and Finished End

90° T/X Adapter

Standard Includes	Required to Specify
▶Need help? Product details, page 74	• 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) ▶See *Surface Materials,* page 266.

Required Selections		Required to Specify
Bottom Alignment	• To the skin	Specify *with to the skin.*
	• To the floor	Specify *with to the floor.*

Specification Information

- **Style Number**

FEIA

Finished End

Standard Includes	Required to Specify
▶Need help? Product details, page 74	• 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 ▶See *Surface Materials,* page 266.

Specification Information

- **Style Number**

FEIFE

Specifying Mini Ends

90° Adjustable Mini End and Mini End Cover 212

Door Frame/Mini End Hardware Kit 213

90° Adjustable Mini End and Mini End Cover

90° Adjustable Mini End

	Standard Includes	Required to Specify
▶Need help? Product details, page 80	• 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) ▶See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Width	• Small (2¼"– < 3" range) • Medium (3"– < 4½" range) • Large (4½"–6¾" range)	Specify *with small width.* Specify *with medium width.* Specify *with large width.*

Specification Information

Style Number

FEEAM

Mini End Cover

	Standard Includes	Required to Specify
▶Need help? Product details, page 80	• 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) ▶See *Surface Materials,* page 266.

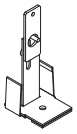
	Required Selections	Required to Specify
Width	• Small (2¼"– < 3" range) • Medium (3"– < 4½" range) • Large (4½"–6¾" range)	Specify *with small width.* Specify *with medium width.* Specify *with large width.*
Bottom Alignment	• To the skin • To the floor	Specify *with to the skin.* Specify *with to the floor.*

Specification Information

Style Number

FEEAMC

Door Frame/Mini End Hardware Kit



Standard Includes	Required to Specify
▶Need help? Product details, page 80 • Hardware kit: paint	1 Style number 2 Paint color number for kit ▶See *Surface Materials,* page 266.

Specification Information

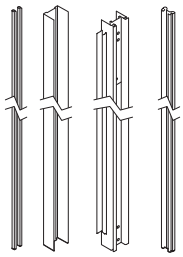
• Style Number
FEEHDM

Specifying Cutable Ends

90° Cutable End Assembly	**216**
90° Cutable End Inner Channel	**216**
90° Cutable End Outer Channel	**217**
Cutable End Capture Trim	**217**
Cutable End Corner Angle	**218**
Cutable End Elbow	**218**

Cutable Ends

90° Cutable End Assembly



Standard Includes	Required to Specify
▶ Need help? Product details, page 83	1 Style number 2 Paint color number for cutable end assembly 3 Plastic color number for seal 4 Height ▶ See *Surface Materials,* page 266.
• Cutable end assembly: paint • Height: 80"–144" • Seal: plastic	

Specification Information

• Style Number
FEECEA

90° Cutable End Inner Channel

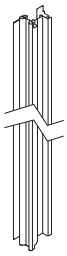
Standard Includes	Required to Specify
▶ Need help? Product details, page 82	1 Style number 2 Paint color number for cutable end assembly 3 Length (see below under Required Selections) ▶ See *Surface Materials,* page 266.
• Cutable end inner channel: paint	

Required Selections	Required to Specify
Length	
• 48"	Specify 48" long.
• 120"	Specify 120" long.
• 144"	Specify 144" long.

Specification Information

• Style Number
FEECEI

90° Cutable End Outer Channel



Standard Includes	Required to Specify
▶Need help? Product details, page 82	1 Style number
• Cutable end outer channel	2 Length (see below under Required Selections)
• Seal: plastic	3 Plastic color number for seal

Required Selections	Required to Specify
Length	
• 48"	Specify 48" long.
• 120"	Specify 120" long.
• 144"	Specify 144" long.

Specification Information

• Style Number

FEECEO

Cutable End Capture Trim

Standard Includes	Required to Specify
▶Need help? Product details, page 82	1 Style number
• Cutable end capture trim: paint	2 Paint color number for capture trim
• Height: 12.1"–144"	3 Height
	▶See *Surface Materials,* page 266.

Specification Information

• Style Number

FEECECT

Cutable End Corner Angle

	Standard Includes	Required to Specify
▶ Need help? Product details, page 82	• Cutable end corner angle	Style number

Specification Information

- **Style Number**

FEECEAI

Cutable End Elbow

	Standard Includes	Required to Specify
▶ Need help? Product details, page 82	• Cutable end elbow	1 Style number 2 Miter configuration (see below under Required Selections)

Required Selections		Required to Specify
Miter Configuration	• Inside corner	Specify *with inside corner.*
	• Outside corner	Specify *with outside corner.*

Specification Information

- **Style Number**

FEECEEO

Specifying Electrical Components

Receptacles and Power Block 220

Power/Communication Receptacle Trim, Blank Cut-Out Cover, and Modular Communication Faceplate 222

Multipurpose Infeed and Power Block Connector 224

Modular Harness and Harness-to-Harness Branching Connector 225

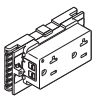
Electrical Mounting Brackets 226

Utility Panel Cover 227

Receptacles and Power Block

Receptacle

15 amp


20 amp

Standard Includes	Required to Specify
▶Need help? Product details, page 86 • 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 266.

Required Selections		Required to Specify
Wiring Schematic	• 3+1 • 2+2 • 3SN	Specify *with 3+1.* Specify *with 2+2.* Specify *with 3SN.*
Line	• Line 1 • Line 2 • Line 3 • Line 4	Specify *with line 1.* Specify *with line 2.* Specify *with line 3.* Specify *with line 4.*
Ground Type	• System • Isolated	Specify *with system ground.* Specify *with isolated ground.*
Amp Type	• 15 amp • 20 amp	Specify *with 15 amp.* Specify *with 20 amp.*

Options		Required to Specify
Controlled Stamp	• No stamp • Controlled stamp	Specify *with no stamp.* Specify *with controlled stamp.*

Specification Information

• **Style Number**

FEPRC

USB Receptacle

Standard Includes	Required to Specify
▶Need help? Product details, page 86	1 Style number 2 Plastic color number for receptacle 3 Wiring schematic (see below under Required Selections) 4 Line (see below under Required Selections)
• USB receptacle: plastic	▶See *Surface Materials,* page 266.

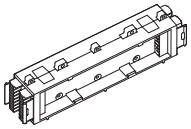
Required Selections		Required to Specify
Wiring Schematic	• 3+1 • 2+2 • 3SN	Specify *with 3+1.* Specify *with 2+2.* Specify *with 3SN.*
Line	• Line 1 • Line 2 • Line 3 • Line 4	Specify *with line 1.* Specify *with line 2.* Specify *with line 3.* Specify *with line 4.*

Specification Information

Style Number

FEPRCUSB

Power Block



Standard Includes	Required to Specify
▶Need help? Product details, page 86	1 Style number 2 Wire schematic (see below under Required Selections)
• Power block	

Required Selections		Required to Specify
Wiring Schematic	• 3+1 • 2+2 • 3SN	Specify *with 3+1.* Specify *with 2+2.* Specify *with 3SN.*

Specification Information

Style Number

FEPB

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 86	1 Style number 2 Plastic color number for receptacle trim 3 Cut-out type (see below under Required Selections) ▶See *Surface Materials,* page 266.
• Receptacle trim: plastic	

Required Selections	Required to Specify
Cut-out Type	
• Power	Specify *with power cut-out.*
• Communications	Specify *with communications cut-out.*

Specification Information

Style Number

FEPRCT

Blank Cut-Out Cover

Standard Includes	Required to Specify
▶Need help? Product details, page 86	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 266.
• Cover cut-out: plastic	

Required Selections	Required to Specify
Cut-Out Type	
• Power	Specify *with power cut-out.*
• Communications	Specify *with communications cut-out.*
Wiring Schematic	
• 3+1	Specify *with 3+1.*
• 2+2	Specify *with 2+2.*
• 3SN	Specify *with 3SN.*
• No wiring configuration	Specify *with no wiring configuration*

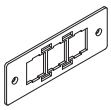
Tip: Wiring schematic specification only required if cut-out type is power.

Specification Information

Style Number

FEPCCB

Modular Communication Faceplate



Standard Includes	Required to Specify
▶Need help? Product details, page 84	1 Style number 2 Plastic color number for modular communication faceplate 3 Faceplate configuration type (see below under Required Selections) ▶See *Surface Materials,* page 266.
• Modular communication faceplate: plastic	

Required Selections		Required to Specify
Faceplate Configuration Type	• RJ45 x 3	Specify *with RJ45 x 3.*
	• RJ45 + VGA	Specify *with RJ45 + VGA.*

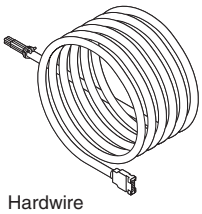
Specification Information

- **Style Number**

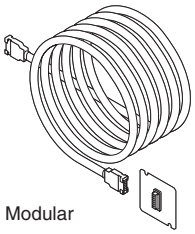
FEPFPC

Multipurpose Infeed and Power Block Connector

Multipurpose Infeed



Hardwire



Modular

Standard Includes	Required to Specify
▶ Need help? Product details, page 85 • 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		Required to Specify
Wiring Schematic	• 3+1 • 2+2 • 3SN	Specify *with 3+1.* Specify *with 2+2.* Specify *with 3SN.*
Building Connection Type	• Hardwire • Modular	Specify *with hardwire.* Specify *with modular infeed.*

Specification Information

• **Style Number**
FEPIMP

Power Block Connector

Standard Includes	Required to Specify
▶ Need help? Product details, page 86 • Power block connector	1 Style number 2 Wiring schematic (see below under Required Selections)

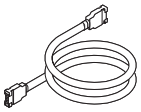
Required Selections		Required to Specify
Wiring Schematic	• 3+1 • 2+2 • 3SN	Specify *with 3+1.* Specify *with 2+2.* Specify *with 3SN.*

Specification Information

• **Style Number**
FEPBC

Modular Harness and Harness-to-Harness Branching Connector

Modular Harness



Standard Includes	Required to Specify
▶ Need help? Product details, page 84	• Modular harness	1 Style number 2 Harness length (see below under Required Selections) 3 Wiring schematic (see below under Required Selections)

Required Selections		Required to Specify
Harness Length	• 36" long	Specify *with 36" harness.*
	• 72" long	Specify *with 72" harness.*
	• 144" long	Specify *with 144" harness.*
Wiring Schematic	• 3+1	Specify *with 3+1.*
	• 2+2	Specify *with 2+2.*
	• 3SN	Specify *with 3SN.*

Specification Information

• **Style Number**

FEPHN

Harness-to-Harness Branching Connector

Standard Includes	Required to Specify
▶ Need help? Product details, page 86	• Connector	1 Style number 2 Wiring schematic (see below under Required Selections)

Required Selections		Required to Specify
Wiring Schematic	• 3+1	Specify *with 3+1.*
	• 2+2	Specify *with 2+2.*
	• 3SN	Specify *with 3SN.*

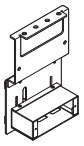
Specification Information

• **Style Number**

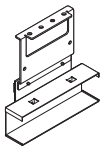
FEPHNC

Electrical Mounting Brackets

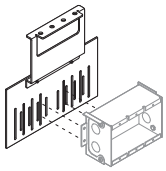
Electrical Mounting Bracket – Skin



Data



Modular



Hardwire

Tip: Hardwire boxes are not included with bracket.
▶ See page 87 for a list of compatible electrical boxes.

Standard Includes	Required to Specify
▶ Need help? Product details, page 84	1 Style number 2 Device type (see below under Required Selections)
• Bracket	

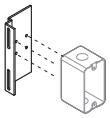
Required Selections	Required to Specify
Device Type	
• Hardwire	Specify *with hardwire.*
• ADA hardwire	Specify *with ADA hardwire.*
• Modular	Specify *with modular.*
• Modular hardwire	Specify *with modular hardwire.*
• Modular communication	Specify *with communication.*
• ADA modular communication	Specify *with ADA modular communication.*

Specification Information

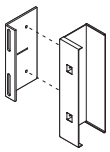
Style Number

FEPMBES

Electrical Mounting Bracket – Utility Panel



Hardwire box



Modular power block

Tip: Hardwire boxes are not included with bracket.
▶ See page 87 for a list of compatible electrical boxes.

Standard Includes	Required to Specify
▶ Need help? Product details, page 84	1 Style number 2 Device type (see below under Required Selections)
• Bracket	

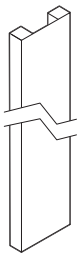
Required Selections	Required to Specify
Device Type	
• Hardwire shallow	Specify *with hardwire shallow.*
• Hardwire deep	Specify *with hardwire deep.*
• Modular	Specify *with modular.*

Specification Information

Style Number

FEPMBEU

Utility Panel Cover



Standard Includes	Required to Specify
▶ Need help? Product details, page 87	• 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 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) ▶ See *Surface Materials,* page 266.

Required Selections		Required to Specify
Bottom Alignment Type	• To the skin	Specify *with to the skin.*
	• To the floor	Specify *with to the floor.*
Cable Management	**Cut-out count**	
	• No holes	Specify *with no holes.*
	• One hole	Specify *with one hole.*
	• Two holes	Specify *with two holes.*
	• Three holes	Specify *with three holes.*
	Cut-out position, if cut-out(s) selected	
	• No cut-outs	Specify *with no cut-outs.*
	• Cut-out 1 location	Specify Y dimensions for cut-out 1.
	• Cut-out 2 location	Specify Y dimensions for cut-out 2.
	• Cut-out 3 location	Specify Y dimensions for cut-out 3.
	Cut-out type (for each cut-out specified)	
	• Clearance notch	Specify *with clearance notch cut-out type for each applicable location.*
	• Hardwire—2x4 rectangular	Specify *with hardwire–2x4 rectangular cut-out type for each applicable location.*
	• Modular power	Specify *with modular power cut-out type for each applicable location.*

Specification Information

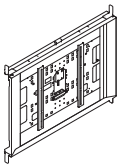
Style Number

FEUPC

Specifying Technology Components

Single Monitor Shroud 230
Double Monitor Shroud 231
Camera Shelf for Monitor Shroud 232

Single Monitor Shroud



Standard Includes	Required to Specify
▶ Need help? Product details, page 92	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) ▶ See *Surface Materials,* page 266.
• Frame: paint or 8043 Clear Anodized Aluminum • Seal: plastic • Power assembly	

Required Selections	Required to Specify
Width	
• 34.5"	Specify 34.5".
• 42"	Specify 42".
• 48"	Specify 48".
• 54"	Specify 54".
• 60"	Specify 60".
• 63.5"	Specify 63.5".
• 70"	Specify 70".
• 80"	Specify 80".
• 89"	Specify 89".
Building Connection Type	
• Hardwire	Specify *with hardwire*.
• Modular	Specify *with modular*.
Wiring Schematic	
• 3+1	Specify *with 3+1*.
• 2+2	Specify *with 2+2*.
• 3SN	Specify *with 3SN*.

Tip: Wiring schematic only required when building connection type is modular.

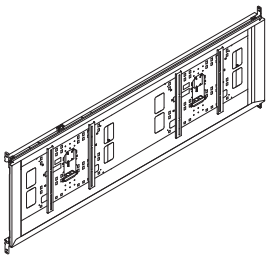
Tip: The power assembly connector is configured to connect to circuit 1.

Specification Information

- **Style Number**

FEMSS

Double Monitor Shroud



Need help? Product details, page 93

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) See *Surface Materials,* page 266.

Required Selections		Required to Specify
Width	• 96" • 103" • 120"	Specify 96". Specify 103". Specify 120".
Building Connection Type	• Hardwire • Modular	Specify *with hardwire.* Specify *with modular.*
Wiring Schematic	• 3+1 • 2+2 • 3SN	Specify *with 3+1.* Specify *with 2+2.* 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.

Specification Information

- **Style Number**

FEMSD

Camera Shelf for Monitor Shroud

Standard Includes	Required to Specify
▶Need help? Product details, page 92 • Frame: paint	1 Style number 2 Paint color number for frame ▶See *Surface Materials,* page 266.

Specification Information

- **Style Number**

FEMSCS

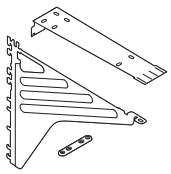
Specifying Hang-On Components

Universal Systems Worksurface Supports **234**

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 103	• One cantilever: paint • Tie plate • Attachment hardware	1 Style number 2 Paint color number for cantilever ▶ See *Surface Materials,* page 266.

Specification Information
• **Style Number**
VUCANT

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 103	• Pair of handed side support brackets: black paint only • Attachment hardware	Style number

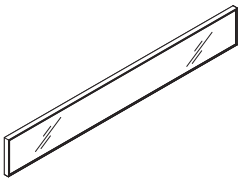
Specification Information
• **Style Number**
VUSSBR

Specifying Lighting

Ambient LED Light and LED Driver **236**

Ambient LED Light and LED Driver

Ambient LED Light



	Standard Includes	Required to Specify
▶ Need help? Product details, page 120	• Ambient LED Light: paint or 8043 Clear Anodized Aluminum • Height: 7.875" • Width: 12"–120"	1 Style number 2 Width 3 Paint or anodized aluminum color number for light ▶ See *Surface Materials,* page 266.

Specification Information

- **Style**
  Number

FELLA

LED Driver

	Standard Includes	Required to Specify
▶ Need help? Product details, page 121	• LED driver	Style number

Specification Information

- **Style**
  Number

FELPS

Specifying Lite Scale Glazing V.I.A.

Glass Lite Butt Glazed – Lite Scale 238
Structural Vertical Post – Lite Scale 239
Structural Horizontal – Lite Scale 240
Vertical Transitions and Stop – Lite Scale 241
Junction Covers and Trim – Lite Scale 242
Utility Panel Cover – Lite Scale 244
Ceiling Tracks – Lite Scale 245
Glass Channels and Stops – Lite Scale 246
Finished End Caps – Lite Scale 247
Tapes and Seals – Lite Scale 248
Glazing Accessories – Lite Scale 249
Single Reversible Swing Door Frame – Lite Scale 251
Single Reversible Solid Swing Door Leaf – Lite Scale 252
Single Reversible Polished Edge Swing Door Leaf – Lite Scale 253
Pair of Reversible Swing Door Frames – Lite Scale 254
Pair of Reversible Solid Swing Door Leaves – Lite Scale 255
Pair of Reversible Polished Edge Swing Door Leaves – Lite Scale 256
Single Surface Mounted Slider Door Frame – Lite Scale 257
Single Surface Mounted Polished Edge Slider Door Leaf – Lite Scale 258
Basic Single Surface Mounted Slider Door Track – Lite Scale 259
Reinforced Single Surface Mounted Slider Door Track – Lite Scale 260
Frame for Pair of Surface Mounted Slider Doors – Lite Scale 261
Pair of Surface Mounted Polished Edge Slider Door Leaves – Lite Scale 262
Reinforced Track for Pair of Surface Mounted Slider Doors – Lite Scale 263
Slider Door Track Bracket – Lite Scale 264

Glass Lite Butt Glazed – Lite Scale

▶ Need help? Product details, page 124

Standard Includes	Required to Specify
• ½" thick clear tempered glass: 6500 Clear Glass • Height: 6"–120" • Width: 6"–120"	1 Style number 2 Height (see below under Required Selections) 3 Width (see below under Required Selections) 4 Square foot (see below under Defaulted Components) 5 Glass color number 6 Options, if selected (see below) ▶ See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Height and Width	• Height 6"–120" • Width 6"–120"	Specify height. Specify width.

Tip: Square footage is determined base on height and width selections.

	Defaulted Components	Condition
Square foot	• Square foot upcharge	Square foot upcharge will be automatically applied based on height and width selections.

	Options	Required to Specify
Surface Materials	• 6500 Clear Glass • 6540 Clear Laminated Glass	Specify 6500 Clear Glass. Specify 6540 Clear Laminated Glass.

Specification Information

• Style Number
FELGLBG

Tip: Prices are calculated based on height and width specifications.

Structural Vertical Post – Lite Scale

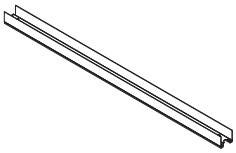
Standard Includes		Required to Specify
▶ Need help? Product details, page 124	• Post • Height: 82.24409"–120" • Seal: plastic	1 Style number 2 Height 3 Plastic color number for seal ▶ See *Surface Materials,* page 266.

Specification Information

• Style Number

FELPVS

Structural Horizontal – Lite Scale



Standard Includes	Required to Specify
▶ Need help? Product details, page 124 • Post • Width: 38"–80"	1 Style number 2 Width ▶ See *Surface Materials,* page 266.

Specification Information

- **Style Number**

FELRHS

Vertical Transitions and Stop – Lite Scale

Standard Includes	Required to Specify
▶ Need help? Product details, page 124	1 Style number 2 Paint color number for transition or stop 3 Options, if selected (see below) ▶ See *Surface Materials,* page 266.
• Vertical transition, if selected: paint price group 1 • Vertical stop, if selected: paint price group 1	

Options		Required to Specify
Bottom Prep	**Available on inner and cover vertical transitions**	
	• No notch	Specify *with no notch.*
	• Both notch	Specify *with both notch.*

Specification Information

Dimensions Length	Style Number

Vertical Transition—Butt Glazed

122"	**FELVTBGSC**

Vertical Transition—Inner

122"	**FELVTIBG**

Vertical Transition—Cover

122"	**FELVTCBG**

Vertical Transition—Stop

122"	**FELVTSBG**

Vertical Transition—Safety Spring

N.A.	**FELVTSSS**

Junction Covers and Trim – Lite Scale

90° Junction Trim – Lite Scale

Standard Includes	Required to Specify
▶Need help? Product details, page 124	• Junction trim: paint • Height: 82.24409"–120"	1 Style number 2 Paint color number for trim 3 Height ▶See *Surface Materials,* page 266.

Specification Information
• **Style Number**
FELI90T

Outer Junction Cover – Lite Scale

Standard Includes	Required to Specify
▶Need help? Product details, page 124	• Junction cover: paint price group 1 or 8043 Clear Anodized Aluminum • Height: 82.24409"–120"	1 Style number 2 Paint or anodized aluminum color number for cover 3 Height 4 Angle (see below under Required Selections) ▶See *Surface Materials,* page 266.

Required Selections	Required to Specify
Fixed Angles	• 90° • 180°	Specify *with 90° angle.* Specify *with 180° angle.*

Specification Information
• **Style Number**
FELIJCO

Bypass Outer Junction Cover – Lite Scale

Standard Includes	Required to Specify
▶ Need help? Product details, page 124	• Junction cover: paint price group 1 or 8043 Clear Anodized Aluminum • Height: 82.24409"–120"

1 Style number
2 Paint or anodized aluminum color number for cover
3 Height
▶ See *Surface Materials,* page 266.

Specification Information

- **Style Number**

FELIJCOB

Utility Panel Cover – Lite Scale

	Standard Includes	Required to Specify
▶Need help? Product details, page 124	• Cover: paint price group 1 or 8043 Clear Anodized Aluminum • Height: 82.24409"–120"	1 Style number 2 Paint or anodized aluminum color number for cover 3 Height 4 Cut-outs (see below under Required Selections) 5 Cut-out type (see below under Required Selections) ▶See *Surface Materials,* page 266.

	Required Selections	Required to Specify
Cable Management	**Cut-out count**	
	• No holes	Specify *with no holes.*
	• One hole	Specify *with one hole.*
	• Two holes	Specify *with two holes.*
	• Three holes	Specify *with three holes.*
	Cut-out position, if cut-out(s) selected	
	• No cut-outs	Specify *with no cut-outs.*
	• Cut-out 1 location	Specify Y dimensions for cut-out 1.
	• Cut-out 2 location	Specify Y dimensions for cut-out 2.
	• Cut-out 3 location	Specify Y dimensions for cut-out 3.
	Cut-out type (for each cut-out specified)	
	• Clearance notch	Specify *with clearance notch cut-out type for each applicable location.*
	• Hardwire—2x4 rectangular	Specify *with hardwire–2x4 rectangular cut-out type for each applicable location.*
	• Modular power	Specify *with modular power cut-out type for each applicable location.*

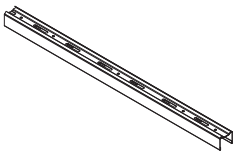
Specification Information

- **Style Number**

FELUPC

Ceiling Tracks – Lite Scale

Straight Ceiling Track – Lite Scale

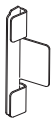


Standard Includes	Required to Specify
▶ Need help? Product details, page 124	1 Style number
• Ceiling track: paint	2 Paint color number for ceiling track
• Seal to match paint color, when applicable:	3 Plastic color number for seal, if required
–7190 Platinum Solid paint will default 6249 Platinum Solid plastic	▶ See *Surface Materials,* page 266.
–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	

Specification Information

• Length	• Style Number
144"	**FELCTS**

Ceiling Track–End Channel – Lite Scale



Standard Includes	Required to Specify
▶ Need help? Product details, page 124	1 Style number
• End channel: paint price group 1	2 Paint color number for end channel
	▶ See *Surface Materials,* page 266.

Specification Information

• Style Number
FELCTEC

Glass Channels and Stops – Lite Scale

Standard Includes	Required to Specify
▶ Need help? Product details, page 124	• Glass channel, if selected: paint price group 1 • Glass stop, if selected: paint price group 1	1 Style number 2 Paint color number for channels or stops ▶ See *Surface Materials,* page 266.

Specification Information

- **Dimensions**
  - **Length**
- **Style**
  - **Number**

Glass Stop–Vertical – Lite Scale

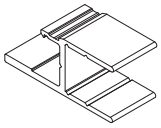
Length	Number
122"	**FELGSVT**

Glass Channel–Vertical – Lite Scale

Length	Number
122"	**FELGCVT**

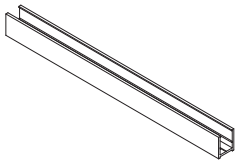
Glass Channel–Ceiling Track, Single – Lite Scale

Length	Number
122"	**FELGCCTS**



Glass Channel–Variable Angle – Lite Scale

Length	Number
122"	**FELGCV**



Glass Channel–Floor Track, Single – Lite Scale

Length	Number
122"	**FELGCFTS**

Finished End Caps – Lite Scale

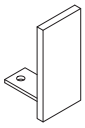
Standard Includes	Required to Specify
▶ Need help? Product details, page 124	1 Style number 2 Paint color number for finished end cap ▶ See Surface Materials, page 266.
• Finished end cap: paint price group 1	

Specification Information

- **Style Number**

Finished End Cap–Small – Lite Scale

FELFECGCS



Finished End Cap–Large – Lite Scale

FELFECGCL

Tapes and Seals – Lite Scale

Standard Includes	Required to Specify
▶ Need help? Product details, page 124	• Tape or seal	Style number

Specification Information

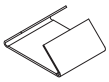
• Dimensions Length	• Style Number

Glazing Tape–Clear – Lite Scale

54'	**FELGTC**

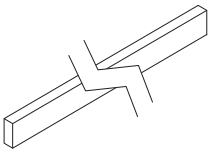
Glazing Tape–Black – Lite Scale

108'	**FELGTB**



Seal–Ceiling Grid – Lite Scale

N.A.	**FELSCG**



Seal–Light and Sound – Lite Scale

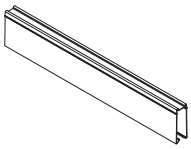
122'	**FELSL**

Glazing Accessories – Lite Scale

Standard Includes	Required to Specify
▶ Need help? Product details, page 124	• Channel or strip	Style number

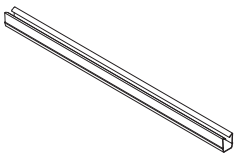
Specification Information

- **Dimensions**
  - **Length**
- **Style**
  - **Number**



Glazing Channel–Ceiling – Lite Scale

Length	Number
122"	**FELGCC**



Glazing Channel–Floor – Lite Scale

Length	Number
122"	**FELGCF**

Glazing Strip–Vertical – Lite Scale

Length	Number
122"	**FELGSV**

Glazing Blocks – Lite Scale

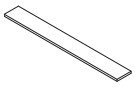
Standard Includes	Required to Specify
• Block: 100 pieces	Style number

Specification Information

- **Style Number**

FELGB

Glazing Shim–Small – Lite Scale



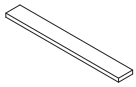
Standard Includes	Required to Specify
• Shim: 100 pieces	Style number

Specification Information

- **Style Number**

FELGSS

Glazing Shim–Medium – Lite Scale



Standard Includes	Required to Specify
• Shim: 100 pieces	Style number

Specification Information

- **Style Number**

FELGSM

Single Reversible Swing Door Frame – Lite Scale

▶ Need help? Product details, page 124

Standard Includes	Required to Specify
• Door frame: paint price group 1 or 8043 Clear Anodized Aluminum • Height: 83.62992"–119.80315" • Width: 28"–44.5" • Hinges: 9000 Satin Chrome or 9201 Polished Chrome • Strike plate • Top mount type: ceiling	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum or paint color number for frame 5 Satin stainless or polished chrome for hinges 6 Handedness (see below under Required Selections) 7 Door type (see below under Required Selections) 8 Roller latch (see below under Required Selections) 9 Door hardware (see below under Required Selections) 10 Strike plate (see below under Required Selections) 11 Electrification (see below under Required Selections) ▶ See Surface Materials, page 266.

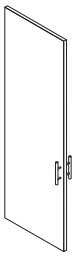
Required Selections		Required to Specify
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
Door Type	• Solid • Polished edge	Specify *with solid.* Specify *with polished edge.*
Latch Prep	• Cylindrical • Ladder aligned • Ladder offset • Mortise • Push/pull handles	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 or ladder pull handles)	• No roller latch • Top roller latch	Specify *with no roller latch.* Specify *with roller latch.*
Door Hardware	• Satin chrome • Polished chrome	Specify *with satin chrome.* Specify *with polished chrome.*
Strike Plate (if latch prep is mortise)	• Type 1 • Type 2 • No strike plate	Specify *with type 1.* Specify *with type 2.* Specify *with no strike plate.*
Electrification	• No electric hinge • For use with electric hinge	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 or ladder pull handles are selected.

Specification Information

• **Style Number**
FELFSWSR

Single Reversible Solid Swing Door Leaf – Lite Scale



Standard Includes	Required to Specify
▶ Need help? Product details, page 124	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 Latch prep (see below under Required Selections) 7 Roller latch (see below under Required Selections) 8 Door closer (see below under Required Selections) 9 Electrification (see below under Required Selections) ▶ See Surface Materials, page 266.
• Door leaf: paint price group 1 or veneer • Height: 83.62992"–119.80315" • Width: 28"–44.5" • Top mount type: ceiling	

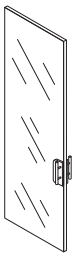
Required Selections		Required to Specify
Acoustic Seal	• No seal • Drop seal	Specify *with no seal.* Specify *with drop seal.*
Latch Prep	• Cylindrical • Ladder aligned • Ladder offset • Mortise • Push/pull handles	Specify *with cylindrical.* Specify *with ladder aligned.* Specify *with ladder offset.* Specify *with mortise.* Specify *with push/pull handles.*
Roller Latch (only if push/ pull or ladder pull handles)	• No roller latch (surface mounted door closer) • Top roller latch (no door closer)	Specify *with no roller latch.* Specify *with roller latch.*
Door Closer (only if mortise or cylindrical)	• No door closer • Surface mounted door closer	Specify *with no door closer.* Specify *with surface mounted door closer.*
Electrification	• No electric hinge • For use with electric hinge	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 or ladder pull handles are selected.

Specification Information

• **Style Number**	
FELLSWSSR	

Single Reversible Polished Edge Swing Door Leaf – Lite Scale



Standard Includes	Required to Specify
▶Need help? Product details, page 124 • Door leaf: polished edge glass • Height: 83.62992"–119.80315" • Width: 28"–44.5" • Top mount type: ceiling	1 Style number 2 Height 3 Width 4 Glass number for door leaf 5 Glass orientation (see below under Required Selections) 6 Handedness (see below under Required Selections) 7 Latch prep (see below under Required Selections) 8 Frame prep (see below under Required Selections) 9 Door closer (see below under Required Selections) 10 Door hardware (see below under Required Selections) ▶See Surface Materials, page 266.

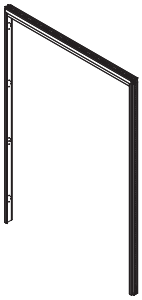
Tip: Glass orientation applies only when 6542 Satin is specified.

Required Selections		Required to Specify
Glass Orientation	• Polished to inside • Polished to outside	Specify *with polished to inside.* Specify *with polished to outside.*
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
Latch Prep	• Cylindrical • Ladder aligned • Ladder offset • Mortise • Push/pull handles	Specify *with cylindrical.* Specify *with ladder aligned.* Specify *with ladder offset.* Specify *with mortise.* Specify *with push/pull handles.*
Frame Prep (only if push/pull or ladder pull handles)	• No roller latch (surface mounted door closer) • Top roller latch (no door closer)	Specify *with no roller latch.* Specify *with roller latch.*
Door Closer (only if mortise or cylindrical)	• No door closer • Surface mounted door closer	Specify *with no door closer.* Specify *with surface mounted door closer.*
Door Hardware (only if mortise or cylindrical)	• Satin chrome • Polished chrome	Specify *with satin chrome.* Specify *with polished chrome.*

Specification Information

Style Number
FELLSWPSR

Pair of Reversible Swing Door Frames – Lite Scale



▶ Need help? Product details, page 124

Standard Includes	Required to Specify
• Door frame: paint price group 1 or 8043 Clear Anodized Aluminum • Height: 83.62992"–119.80315" • Width: 48"–80" • Hinges: 9000 Satin Chrome or 9201 Polished Chrome • Strike plate • Astragal (when solid door is specified and one hand is inactive) • Top mount type: ceiling	1 Style number 2 Height 3 Width 4 Active door width 5 Paint or anodized aluminum or paint color number for frame 6 Satin stainless or polished chrome for hinges 7 Paint or anodized aluminum or paint color number for astragal 8 Acoustic seal (see below under Required Selections) 9 Handedness (see below under Required Selections) 10 Door type (see below under Required Selections) 11 Roller latch (see below under Required Selections) 12 Door hardware (see below under Required Selections) 13 Electrification (see below under Required Selections) ▶ See Surface Materials, page 266.

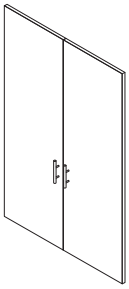
Required Selections		Required to Specify
Acoustic Seal	• No seal	Specify *with no seal.*
	• Drop seal	Specify *with drop seal.*
	• Vertical seal	Specify *with vertical seal.*
	• Drop seal and vertical seal	Specify *with drop and vertical seal.*
Handedness	• Right-hand active	Specify *with right-hand.*
	• Left-hand active	Specify *with left-hand.*
	• Both hands active	Specify *with both hands active.*
Door Type	• Solid	Specify *with solid.*
	• Polished edge	Specify *with polished edge.*
Roller Latch	• No roller latch	Specify *with no roller latch.*
	• Roller latch	Specify *with roller latch.*
Door hardware	• Satin chrome	Specify *with satin chrome.*
	• Polished chrome	Specify *with polished chrome.*
Electrification	• No electric hinge	Specify *with no electrification.*
	• For use with electric hinge	Specify *with electrification.*

Tip: Polished edge door type must have both hands active.

Specification Information

• **Style Number**	
FELFSWPR	

Pair of Reversible Solid Swing Door Leaves – Lite Scale



Standard Includes	Required to Specify
▶ Need help? Product details, page 124	1 Style number
• Door leaf: paint price group 1 or veneer	2 Height
• Height: 83.62992"–119.80315"	3 Width
• Width: 48"–80"	4 Active door width
• Top mount type: ceiling	5 Paint or veneer color number for door leaves
	6 Acoustic seal (see below under Required Selections)
	7 Handedness (see below under Required Selections)
	8 Latch prep (see below under Required Selections)
	9 Roller latch (see below under Required Selections)
	10 Door closer (see below under Required Selections)
	11 Electrification (see below under Required Selections)
	▶ See Surface Materials, page 266.

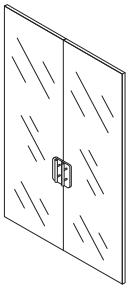
Tip: Acoustic seal is available only when both hands active.

Required Selections		Required to Specify
Acoustic Seal	• No seal	Specify *with no seal.*
	• Drop seal	Specify *with drop seal.*
	• Vertical seal	Specify *with vertical seal.*
	• Drop seal and vertical seal	Specify *with drop and vertical seal.*
Handedness	• Right-hand active	Specify *with right-hand.*
	• Left-hand active	Specify *with left-hand.*
	• Both hands active	Specify *with both hands active.*
Latch Prep	• Cylindrical	Specify *with cylindrical.*
	• Ladder, aligned	Specify *with ladder, aligned.*
	• Ladder, offset	Specify *with ladder, offset.*
	• Mortise	Specify *with mortise.*
	• No latch prep	Specify *with no latch prep.*
	• Push/pull handles	Specify *with push/pull handles.*
Roller Latch (only if ladder, push/pull or no latch prep)	• No roller latch	Specify *with no roller latch.*
	• Roller latch	Specify *with roller latch.*
Door Closer	• No door closer	Specify *with no door closer.*
	• Surface mounted door closer	Specify *with surface mounted door closer.*
Electrification	• No electric hinge	Specify *with no electrification.*
	• For use with electric lock	Specify *with electrification lock.*
	• For use with electric strike	Specify *with electrification strike.*

Specification Information

• **Style** : **Number**
FELLSWSPR :

Pair of Reversible Polished Edge Swing Door Leaves – Lite Scale



Standard Includes	Required to Specify
▶ Need help? Product details, page 124	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 Latch prep (see below under Required Selections) 8 Roller latch (see below under Required Selections) 9 Door closer (see below under Required Selections) ▶ See Surface Materials, page 266.
• Door leaf: polished edge glass • Height: 83.62992"–119.80315" • Width: 48"–80" • Top mount type: ceiling • Handedness: both hands active	

Tip: Glass orientation applies only when 6542 Satin is specified.

Required Selections	Required to Specify
Glass Orientation • Polished to inside • Polished to outside	Specify *with polished to inside.* Specify *with polished to outside.*
Latch Prep • Ladder, aligned • Ladder, offset • Push/pull handles	Specify *with ladder, aligned.* Specify *with ladder, offset.* Specify *with push/pull handles.*
Roller Latch • No roller latch • Roller latch	Specify *with no roller latch.* Specify *with roller latch.*
Door Closer • No door closer • Surface mounted door closer	Specify *with no door closer.* Specify *with surface mounted door closer.*

Specification Information

• Style Number
FELLSWPPR

Single Surface Mounted Slider Door Frame – Lite Scale

▶ Need help?
Product details,
page 124

Standard Includes	Required to Specify
• Door frame: paint price group 1 or 8043 Clear Anodized Aluminum • Height: 82.04724"–119.80315" • Width: 38"–48" • Door type: polished edge • Tubular door pull • Top mount type: ceiling	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum color number for frame 5 Handedness (see below under Required Selections) 6 Lock (see below under Required Selections) 7 Pull (see below under Required Selections) 8 Keying (see below under Required Selections) 9 Lever (see below under Required Selections) 10 Cylinder orientation (see below under Required Selections) ▶ See Surface Materials, page 266.

Tip: Pull option only available with no lever lock.

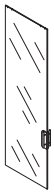
Tip: Keying and cylider orientation only available with lever lock option.

Required Selections		Required to Specify
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
Lock	• No lever lock • Lever lock	Specify *with no lock.* Specify *with lever lock.*
Pull	• Push/pull • Separate pull	Specify *with push/pull.* Specify *with separate pull.*
Keying	• No cylinder • Core, keyed random	Specify *with no cylinder.* Specify *with core.*
Lever	• No lever • Lever one	Specify *with no lever.* Specify *with lever one.*
Cylinder Orientation	• Key inside • Key outside	Specify *with key inside.* Specify *with key outside.*

Specification Information

• Style Number
FELFSLSM

Single Surface Mounted Polished Edge Slider Door Leaf – Lite Scale



	Standard Includes	Required to Specify
▶ Need help? Product details, page 124	• Door leaf: 1/2" thick polished edge glass • Bottom trim: paint price group 1 or 8043 Clear Anodized Aluminum • Height: 82.04724"–119.80315" • Width: 38"–48" • Top mount type: ceiling	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 Handedness (see below for Required Selections) 8 Latch prep (see below for Required Selections) 9 Acoustic seal (see below for Required Selections) ▶ See Surface Materials, page 266.

Tip: Glass orientation applies only when 6542 Satin is specified.

	Required Selections	Required to Specify
Glass Surface Orientation	• Polished to inside • Polished to outside	Specify *with polished to inside.* Specify *with polished to outside.*
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
Latch Prep	• Ladder aligned • Ladder offset • Lever lock • Push/pull	Specify *with ladder aligned.* Specify *with ladder offset.* Specify *with lever lock.* Specify *with push/pull.*
Acoustic Seal	• No seal • Drop seal	Specify *with no seal.* Specify *with drop seal.*

Specification Information

• Style Number
FELLSLPSM

Basic Single Surface Mounted Slider Door Track – Lite Scale

▶ Need help? Product details, page 124

Standard Includes	Required to Specify
• Door track: paint price group 1 or 8043 Clear Anodized Aluminum • Width: 6"–144" • Door type: polished edge (only when hardware selected) • Track orientation: flush	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) ▶ See Surface Materials, page 266.

Tip: Handedness, bracket hole count, and bracket hole location only required if hardware is selected.

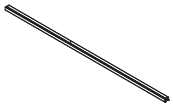
Required Selections		Required to Specify
Hardware	• No hardware • Hardware	Specify *with no hardware.* Specify *with hardware.*
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
End Configuration, Left	• Actual • L junction • Support junction • At junction • At bypass • Support bypass • Miniend • Fixed wall	Specify actual. Specify at L junction. Specify at support junction. Specify at junction. Specify at bypass. Specify at support bypass. Specify at miniend. Specify at fixed wall.
End Configuration, Right	• Actual • L junction • Support junction • At junction • At bypass • Support bypass • Miniend • Fixed wall	Specify actual. Specify at L junction. Specify at support junction. Specify at junction. Specify at bypass. Specify at support bypass. Specify at miniend. Specify at fixed wall.
Utility Panel	• No utility panel • Utility panel	Specify *with no utility panel.* Specify *with utility panel.*
End Notch	• No notch • Left notch • Right notch • Both notch	Specify no notch. Specify left notch. Specify right notch. Specify both notch.
Bracket Hole Count	• One hole • Two holes	Specify *with one hole.* Specify *with two holes.*
Bracket Hole Location	• Hole one location • Hole two location, if selected	Specify X dimension for hole one. Specify X dimension for hole two, if selected.

Specification Information

- **Style Number**

FELTSLSMB

Reinforced Single Surface Mounted Slider Door Track – Lite Scale



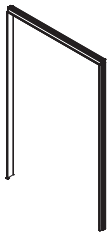
	Standard Includes	Required to Specify
▶ Need help? Product details, page 124	• Door track: paint price group 1 or 8043 Clear Anodized Aluminum • Width: 98.00001"–168" • Door type: polished edge • End configuration, left and right: actual • Track orientation: flush	1 Style number 2 Width 3 Paint or anodized aluminum color number for door track 4 Handedness (see below under Required Selections) 5 Utility panel configuration (see below under Required Selections) 6 End notch (see below under Required Selections) 7 Bracket hole location (see below under Required Selections) ▶ See Surface Materials, page 266.

	Required Selections	Required to Specify
Handedness	• Right hand • Left hand	Specify *with right hand.* Specify *with left hand.*
Utility Panel	• No utility panel • Utility panel	Specify *with no utility panel.* Specify *with utility panel.*
End Notch	• No notch • Left notch • Right notch • Both notch	Specify no notch. Specify left notch. Specify right notch. Specify both notch.
Bracket Hole Location	• Hole one location	Specify X dimension for hole one.

Specification Information

• **Style Number**
FELTSLSMR

Frame for Pair of Surface Mounted Slider Doors – Lite Scale



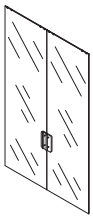
Standard Includes	Required to Specify
▶ Need help? Product details, page 124	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum color number for frame ▶ See *Surface Materials,* page 266.
• Door frame: paint price group 1 or 8043 Clear Anodized Aluminum • Height: 82.04724"–119.80315" • Width: 60"–80" • Door type: polished edge • Top mount type: ceiling	

Specification Information

• Style Number

FELFSLPM

Pair of Surface Mounted Polished Edge Slider Door Leaves – Lite Scale



Standard Includes	Required to Specify
▶ Need help? Product details, page 124	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 Latch prep (see below under Required Selections) ▶ See *Surface Materials,* page 266.
• Door leaf: 1/2" thick polished edge glass • Bottom trim: paint price group 1 or 8043 Clear Anodized Aluminum • Height: 82.04724"–119.80315" • Width: 60"–80" • Top mount type: ceiling	

Tip: Glass orientation applies only when 6542 Satin is specified.

Required Selections		Required to Specify
Glass Surface Orientation	• Polished to inside • Polished to outside	Specify *with polished to inside.* Specify *with polished to outside.*
Latch Prep	• Ladder aligned • Ladder offset • Push/pull	Specify *with ladder aligned.* Specify *with ladder offset.* Specify *with push/pull.*

Specification Information

Style Number
FELLSLPPM

Reinforced Track for Pair of Surface Mounted Slider Doors – Lite Scale

Standard Includes	Required to Specify
▶ Need help? Product details, page 124	• Door track: paint price group 1 or 8043 Clear Anodized Aluminum • Width: 106.874" to 288" • Door type: polished edge • Track orientation: flush • End configuration, left and right: actual	1 Style number 2 Width 3 Paint or anodized aluminum color number for door track 4 End notch (see below under Required Selections) 5 Bracket hole one location (see below under Required Selections) 6 Bracket hole two location (see below under Required Selections) ▶ See *Surface Materials,* page 266.

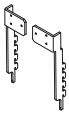
Required Selections		Required to Specify
End Notch	• No notch • Left notch • Right notch • Both notch	Specify no notch. Specify left notch. Specify right notch. Specify both notch.
Bracket Hole Location	• Hole one location • Hole two location	Specify X dimension for hole one. Specify X dimension for hole two.

Specification Information

• **Style Number**

FELTSLPMR

Slider Door Track Bracket – Lite Scale



Standard Includes	Required to Specify
▶ Need help? Product details, page 124	1 Style number 2 Paint color number for bracket 3 Height 4 Bracket type (see below under Required Selections) ▶ See *Surface Materials,* page 266.
• Bracket: paint price group 1 • Height: 82.04724"–119.80315" • Top mount type: ceiling	

Required Selections	Required to Specify
Bracket Type	
• L at left	Specify *with L at left.*
• L at right	Specify *with L at right.*
• T at center	Specify *with T at center.*

Specification Information

• **Style Number**

FELTSLB

Surface Materials

Surface Materials 266
Pleasing Match—Veneer 270
Paint Color and Anodized Aluminum Availability Matrix 271

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 271 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

Ⓔ = Established

Paint

Tip: All products may not be available in all colors listed below.
▶See page 271 for an overview of the paint colors available on each component.

Price Group 1

Smooth Paint
4242 Milk
4710 Low Gloss Black
4843 Linen
4844 Glacier
4849 Vapor
4858 Seagull
4859 Silk

Textured Paint
7190 Platinum Solid
7207 Black
7225 Sand
7236 Fog
7237 Slate
7238 Fieldstone
7239 Midnight
7241 Arctic White
7243 Seagull
7278 Dark Bronze
7360 Merle

Price Group 2

Smooth Metallic Paint
4728 Nickel Metallic
4743 Mineral Metallic
4744 Pearl Metallic
4750 Champagne Metallic
4752 Steel Metallic
4788 Gold Dust Metallic
4798 Sterling Metallic
4799 Platinum Metallic
4803 Near Black Metallic

Textured Metallic
7245 Carbon Metallic
7246 Midnight 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.

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
- Ambient LED light

8043 Clear Anodized Aluminum

Laminate

Steelcase Surfaces

Applies to:
- Laminate skins

High-Pressure Laminate

Price Group 1

Fiber Laminate
2850 Vanadium Fiber
2852 Tungsten Fiber
2854 Vellum Fiber Ⓔ
2860 Granite Fiber
2862 Stucco Fiber Ⓔ

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

Patina Laminate
2870 Blonde Bronze Patina
2873 Instant Iron Patina

Solid Laminate
2722 Cream Ⓔ
2730 Arctic White
2746 Black
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

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 Ⓔ
2612 Marbled Maple Ⓔ
2614 Chocolate Walnut Ⓔ
2615 Marbled Cherry Ⓔ
2714 Natural Walnut Ⓔ
2HAK Clear Oak
2HAN Ash Noce
2HAT Acacia
2HAW Ash Wenge
2HBN Bisque Noce
2HBW Bisque Wenge
2HCN Clay Noce
2HCW Clay Wenge
2HSN Storm Noce
2HSW Storm Wenge
2HWA Grey Kingswood
2HWB Planked Walnut
2HWD Resolute Walnut
2HWE Natural Recon
2HWF Smoked Walnut

Price Group 2

Textured Laminate
2TH2 Fawn Cypress
2TH4 Saddle Oak
2TH5 Veranda Teak
2TH7 Walnut Heights
2UH1 Reclaimed Aggregate
2UH2 Reclaimed Gravel
2UH4 Cement*
2UH6 Sheetrock

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.*

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
262L Marbled Maple LPL Ⓔ
264L Chocolate Walnut LPL Ⓔ
265L Marbled Cherry LPL
267L Marbled Cherry V2 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

Tip: Only Low-Pressure Laminate is available on laminate skin sets.

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 E
6041 Natural Walnut E
6052 Milk
6053 Seagull
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
6234 Clear Cherry E
6237 Clear Maple
6242 Virginia Walnut
6243 Blackwood E
6245 Clear Walnut
6249 Platinum Solid
6527 Merle
6615 Grey V5
6619 Ice
6631 Cream
6635 Dawn
6636 Mist
6654 Sand
6655 Warm White
6676 Marbled Maple E
6677 Chocolate Walnut E
6678 Marbled Cherry E
66WA Grey Kingswood
66WB Planked Walnut
66WD Resolute Walnut
66WE Natural Recon
66WF Smoked Walnut
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

E = Established

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

Price Group 1

6500 Clear Glass

Price Group 2

6540 Clear Laminated
6541 White Laminated

Price Group 3

6542 Satin

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

6542 Satin

Customer-specified glass is available.

Plated Metal

Steelcase Surfaces

Applies to:
- Push/pull handle
- Hinges
- Roller latch
- Lockset
- Flush bolts

8031 Satin Stainless
9200 Satin Chrome
9201 Polished Chrome

Vertical Surface Fabric

Steelcase Surfaces

Applies to:
- Solid steel skins

Price Group 1

Abacus E
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 E
5F05 Burgundy
5F06 Sky E
5F07 Blue
5F08 Navy
5F15 Stone
5F16 Grey
5F17 Black
5G50 Dunegrass
5G51 Sable
5G55 Pumpkin
5G57 Rouge
5G59 Meadow
5G61 Cyan
5G62 Atlantic
5G63 Crocus
5G64 Alpine
5G65 Tornado

Charm
P505 Shell
P506 Mimosa
P507 Birch
P508 Sparkle
P509 Ginkgo
P510 Debut
P511 Clover
P513 Twilight

Plated Metal

Steelcase Surfaces

Applies to:
- Push/pull handle
- Hinges
- Roller latch
- Lockset
- Flush bolts

8031 Satin Stainless
9200 Satin Chrome
9201 Polished Chrome

Vertical Surface Fabric

Steelcase Surfaces

Applies to:
- Solid steel skins

Price Group 1

Abacus E
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 E
5F05 Burgundy
5F06 Sky E
5F07 Blue
5F08 Navy
5F15 Stone
5F16 Grey
5F17 Black
5G50 Dunegrass
5G51 Sable
5G55 Pumpkin
5G57 Rouge
5G59 Meadow
5G61 Cyan
5G62 Atlantic
5G63 Crocus
5G64 Alpine
5G65 Tornado

Charm
P505 Shell
P506 Mimosa
P507 Birch
P508 Sparkle
P509 Ginkgo
P510 Debut
P511 Clover
P513 Twilight

E = Established

Optic
P540 Hazel
P541 Twinkle
P542 Orion
P543 Seaglass
P545 Halo
P546 Whiskey
P547 Bath
P548 Whisper
P549 Breezy
P551 Glimmer

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

Tinsel
P516 Lit
P517 Ego
P518 Fizz
P519 Muse
P520 Depth
P521 Bliss
P522 Grow
P523 Dolce

Price Group 2

Bariolage
G200 New Etude
G201 New Andante E
G202 New Cantata E
G203 New Adagio
G204 New Melody
G205 New Ballata

Bouquet E
P165 Hosta
P166 Dundee
P169 Argenta
P170 Hoya
P173 Camomile

Code
5FA1 Fossil
5FA2 Gabbro
5FA3 Reed
5FA4 Bluff
5FA5 Sea Salt
5FA6 Cannon
5FA7 Tussah
5FA8 Mica
5FA9 Ecru
5FB1 Bamboo

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

Intersection
P210 Silhouette
P211 Summit
P212 Chalk
P213 Lace
P214 Sea Salt
P215 Lagoon
P216 Electric Indigo
P217 Indigo
P218 Jungle
P219 Green Citrine
P220 Olivine
P221 Rose Quartz
P222 Mulberry
P223 Tango
P224 Scarlet
P225 Saffron
P226 Mousse

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

Milano E
N002 Delft
N003 Woodland
N004 Sunshadow
N005 Olivin
N012 Teakwood

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 E
3422 FC/OP Medium Cherry
3522 FC/OP Clear Maple
3592 FC/OP Blonde on Maple E
3702 FC/OP Clear Walnut
3712 FC/OP Natural Walnut
3752 FC/OP Medium Walnut E
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 E
3302 QC/OP Clear Walnut
3312 QC/OP Natural Walnut
3352 QC/OP Medium Walnut E
3362 QC/OP Dark Walnut
3372 QC/OP Medium Mahogany on Walnut
3382 QC/OP Graphite Walnut

Quarter-Cut Open-Pore, Natural Veneer
32A2 QC/OP Blanch Maple
33A2 QC/OP Thunder Walnut
3392 QC/OP Black Walnut

Rift-Cut Open-Pore
3602 RC/OP Desert Oak

Rift-Cut Full-Fill, Natural Veneer
36A2 RC/OP Volcanic Oak

Wood Group 3

Flat-Cut Open-Pore, Natural Veneer
3082 FC/OP Washed Walnut

Wood Group 1

Open-Pore Planked Veneer
3P41 OP Planked Cherry
3P51 OP Planked Maple
3P61 OP Planked Oak
3P71 OP Planked Walnut

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 E
3424 FC/FF Medium Cherry
3524 FC/FF Clear Maple
3544 FC/FF Blonde on Maple E
3704 FC/FF Clear Walnut
3714 FC/FF Natural Walnut
3754 FC/FF Medium Walnut E
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 E
3304 QC/FF Clear Walnut
3314 QC/FF Natural Walnut
3354 QC/FF Medium Walnut E
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 Graded-In Wood Group 3, 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 waterborne 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 Graded-In as Wood Group 1 pricing.

Wood Group 1

Flat-Cut Open-Pore
3JDX FC/OP Oak Composite
3JJX FC/OP Walnut Composite

Quarter-Cut Open-Pore
3F8X QC/OP European Walnut Composite
3GGX QC/OP Zebrano Composite
3HGX QC/OP Oak Composite
3HVX QC/OP Walnut Composite
3ZNX QC/OP Night Cerused Oak Composite

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.

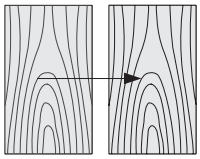
Customiz stain takes 10 days to formulate. Consult the *Surface Materials Reference Manual* for more information. Custom veneers are also available and must be quoted by Steelcase specials group. Customiz stain on custom veneers takes 2 to 4 weeks to formulate.

Requirements and information on ordering a Customiz stain color are found in the *Surface Materials Reference Manual*.

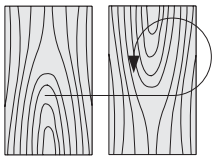
Pleasing Match—Veneer

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.

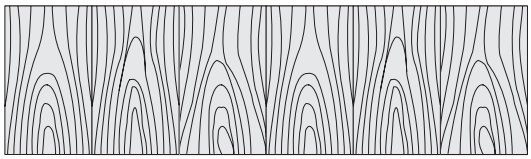
The pleasing match veneer configuration is used on V.I.A. veneer skins and veneer doors.



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 180°. 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
- Ⓔ = Established

	Paint Price Group 1 (Smooth)	4242 Milk	4710 Low Gloss Black	4843 Linen	4844 Glacier	4849 Vapor	4858 Seagull	4859 Silk	Paint Price Group 1 (Texture)	7190 Platinum Solid	7207 Black	7225 Sand	7236 Fog Ⓔ	7237 Slate Ⓔ	7238 Fieldstone	7239 Midnight	7241 Arctic White	7243 Seagull	7278 Dark Bronze	7360 Merle	Paint Price Group 2 (Metallic)	4728 Nickel Metallic	4743 Mineral Metallic	4744 Pearl Metallic	4750 Champagne Metallic	4752 Steel Metallic Ⓔ	4788 Gold Dust 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		■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■
Ambient LED Light		■	■	■	■	■	■	■		•	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■
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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