

V.I.A.

Specification Guide



Availability

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

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

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

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

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

Surface Materials

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

Prices

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

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

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Surface Materials

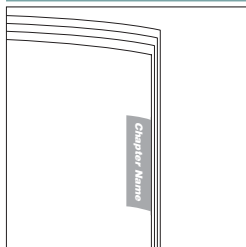
Resources

205

213

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

[illegible]

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

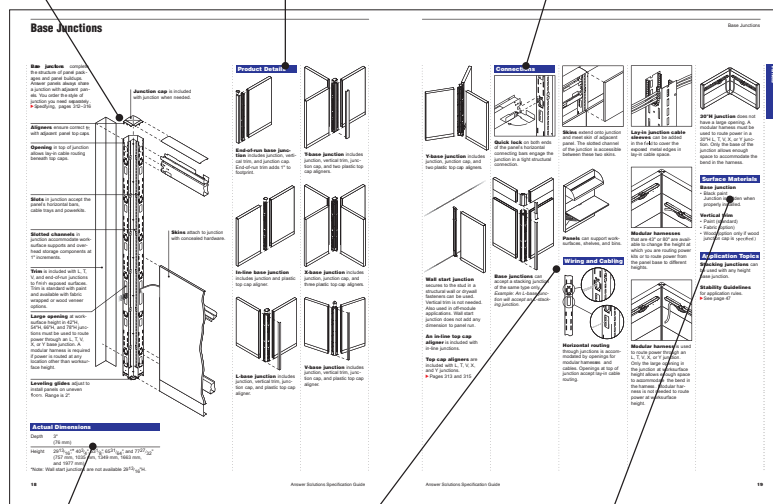
Study the product detail pages in the *Understanding* section to learn everything an expert knows about specific products. Each product detail page in this section contains the following features, where applicable:

- 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.

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.

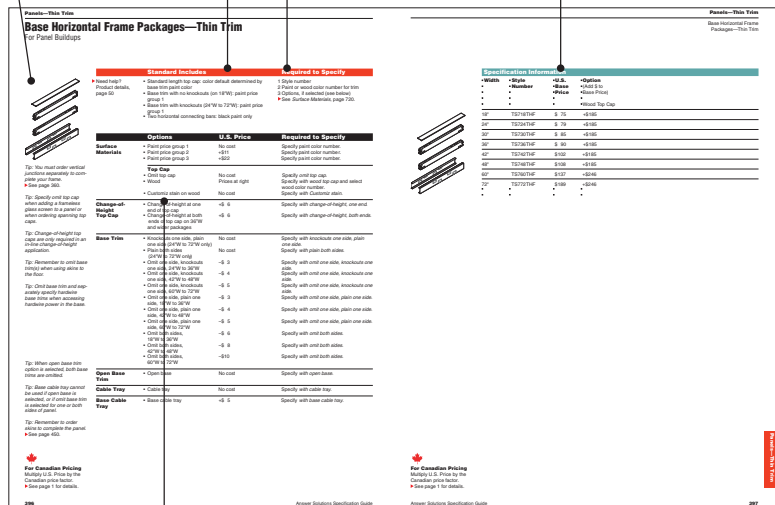
Required to Specify

(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.



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.

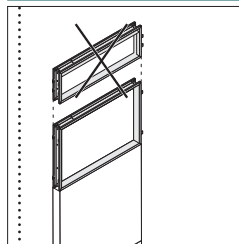
Tip 7

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.”

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 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.

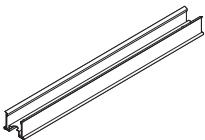
Structural Frame Components



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Post

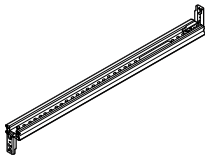
15"—144"



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Structural Horizontal

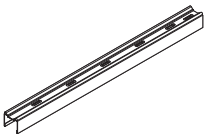
6"—120"



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Intermediate Horizontal

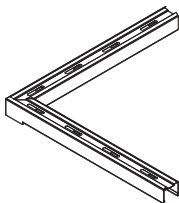
6"—120"



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Straight Ceiling Track

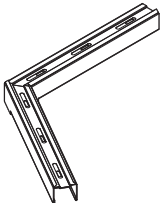
120' 144'



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Corner Fixed Angle Ceiling Track

90° 120° 135°



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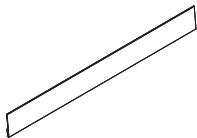
Corner Variable Angle Ceiling Track

91°—179°



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T/X Ceiling Track Bracket



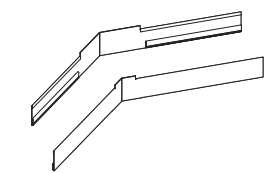
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Straight Base Trim

120" 144"



Structural Frame Components, continued

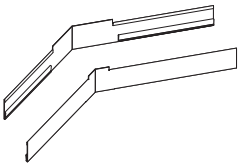


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Corner Fixed Angle Base Trim

90° 120° 135°

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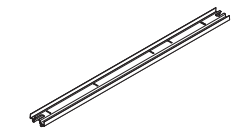


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Corner Variable Angle Base Trim

91°–179°

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Floor Track

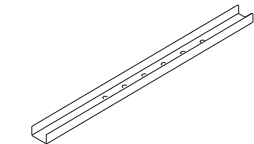
6"–120"

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Floor Track Spring



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Floor Guide



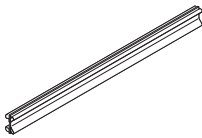
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Post Acoustic Seal Packages



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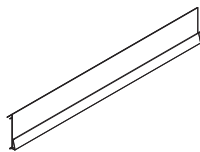
Short Post Leveler Bracket



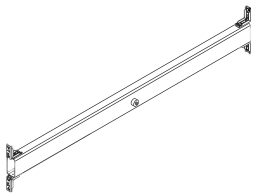
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Intermediate Horizontal Acoustic Seals

Structural Frame Components, continued



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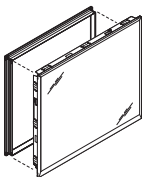
Structural Horizontal Acoustic Seals

Structural Beam

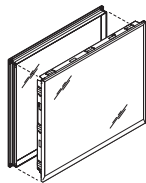
12"–120"W



Captured Glass Frames



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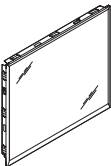
Single Glazed Captured Glass Frame

12"–141.71654"H x 12"–120"W

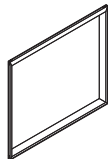


Double Glazed Captured Glass Frame

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



Single Side Captured Glass Frame—Side B

12"–141.71654"H x 12"–120"W



Captured Glass Frames, continued



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

12"–120"H x 12"–120"W

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Acoustic Seal for Captured Glass

24"W 48"W 72"W 96"W 120"W

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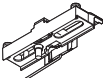
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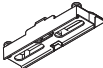
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Brackets and T Nuts



Locking Bracket
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Non-Locking Bracket
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Load Bracket
Specifying
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T Nuts
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Skins



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Solid Steel Skin

6"–141.71654"H x 6"–120"W

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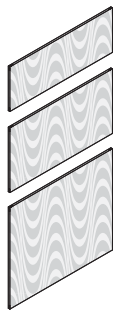
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Solid Veneer Skin

6"–120"H x 6"–120"W

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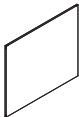
Skins, continued



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Solid Veneer Skin Set

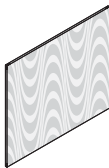
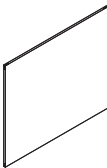
12"–118"H x 12"–118"W



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Ceramic Skin

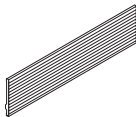
24"–120"H x 24"–120"W



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Solid Laminate Skin

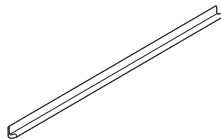
6"–120"H x 6"–120"W



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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



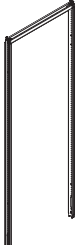
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Acoustic Skin Seal

24"W 48"W 72"W 96"W 120"W



Reversible Swing Doors



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Single Reversible Swing Door Frame

82.44100"—123.71627"H x 28—44.445"

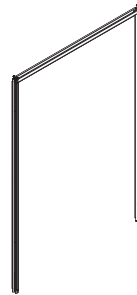


Single Reversible Solid Swing Door Leaf

82.44100"—123.71627"H x 28—44.445"



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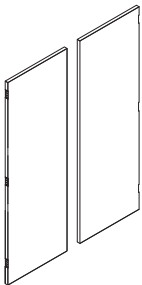
Single Reversible Polished Edge Swing Door Leaf

82.44100"—123.71627"H x 28—44.445"

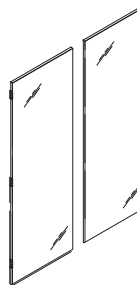


Pair of Reversible Swing Door Frames

82.44100"—123.71627"H x 48"—80"



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Pair of Reversible Solid Swing Door Leaves

82.44100"—123.71627"H x 48"—80"

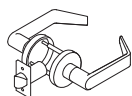


Pair of Reversible Polished Edge Swing Door Leaves

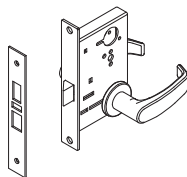
82.44100"—123.71627"H x 48"—80"



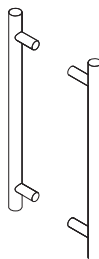
Door Hardware



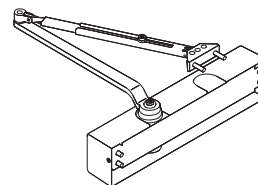
Cylindrical Latch Set
Specifying
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Mortise Latch Set
Specifying
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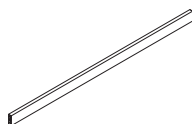
Push/Pull Handle
Specifying
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Door Closer
Specifying
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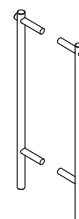
Roller Latch
Specifying
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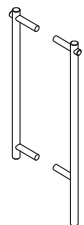
Door Drop Seal
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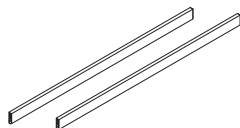
Electric Hinge
Specifying
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Ladder Pull, Aligned
Specifying
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Ladder Pull, Offset
Specifying
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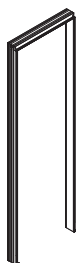


Door Drop Seals
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Flush Bolts
Specifying
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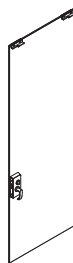
Slider Doors



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Single Surface Mounted Slider Door Frame

80.984"–120"H x 38–48"W



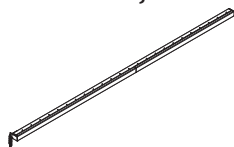
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Single Surface Mounted Polished Edge Slider Door Leaf

80.984"–120"H x 38–48"W



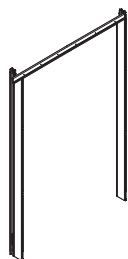
Slider Doors, continued



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Basic Single Surface Mounted Slider Door Track

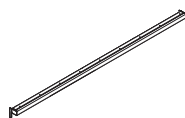
6"—144"W



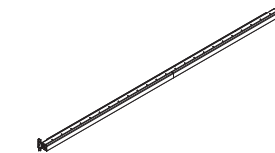
Understanding
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Frame for Pair of Surface Mounted Slider Doors

80.984"—120"W

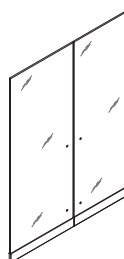


Understanding
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 Specifying
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Reinforced Single Surface Mounted Slider Door Track

98.00001"—168"W



Understanding
 ▶ Page 40
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Pair of Surface Mounted Polished Edge Slider Door Leaves

80.984"—120"W



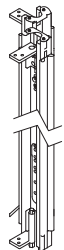
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Reinforced Track for Pair of Surface Mounted Slider Doors

106.874"—288"W



Intersections—Junctions and Adapters



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Two-Way Fixed Angle Junction Assembly

80"—144"H

90°

120°

135°

180°



Understanding
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 Specifying
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Two-Way Variable Angle Junction Assembly

80"—144"H

91°—179°



Intersections—Junctions and Adapters, continued



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 Specifying
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Three-Way Junction Assembly

80"—144"H	90°	120°	135°
	●	●	●



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 Specifying
 ▶ Page 169

Four-Way Junction Assembly

80"—144"H
●



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 Specifying
 ▶ Page 170

Inner Junction Cover

77.71654"—141.71654"H	120°	135°
	●	●



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 ▶ Page 56
 Specifying
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Variable Angle Inner Junction Cover

77.71654"—141.71654"H	91°–179°
	●



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 ▶ Page 56
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90° Inner Junction Trim

77.71654"—141.71654"H	90°
	●



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 ▶ Page 56
 Specifying
 ▶ Page 171

Outer Junction Cover

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

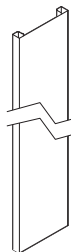
Intersections—Junctions and Adapters, continued



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Variable Angle Outer Junction Cover

77.71654"—141.71654"H 91°–179°



Understanding
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Bypass Outer Junction Cover

77.71654"—141.71654"H



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 ▶ Page 56
 Specifying
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90° T/X Adapter

77.71654"—141.71654"H



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Finished End

77.71654"—141.71654"H



Mini Ends



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 ▶ Page 62
 Specifying
 ▶ Page 180

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)



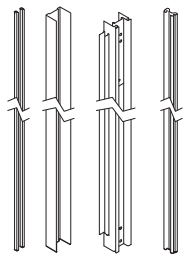
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Mini End Cover

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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Specifying
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Understanding
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Specifying
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90° Cuttable End Assembly

80"–144"H



90° Cuttable End Inner Channel

48"L 120"L 144"L



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90° Cuttable End Outer Channel

48"L 120"L 144"L



Cutable End Capture Trim

12.1"–144"H



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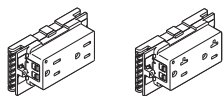


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Cutable End Corner Angle

Cutable End Elbow

Electrical Components



15 amp

20 amp

Receptacle

Understanding

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Specifying

► Page 188



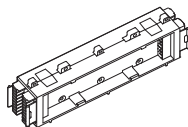
USB Receptacle

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Power Block

Understanding

► Page 68

Specifying

► Page 189



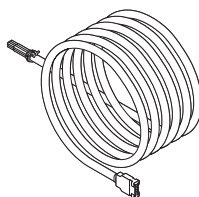
Power/Communication Receptacle Trim

Understanding

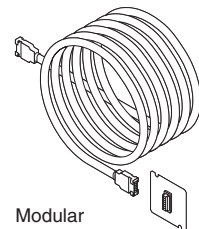
► Page 68

Specifying

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Hardwire



Modular



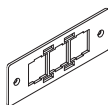
Blank Cut-Out Cover

Understanding

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Modular Communication Faceplate

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Multipurpose Infeed

Understanding

► Page 67

Specifying

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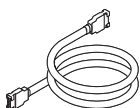
Power Block Connector

Understanding

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Modular Harness

Understanding

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Specifying

► Page 193



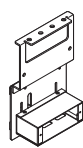
Harness-to-Harness Branching Connector

Understanding

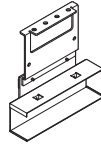
► Page 66

Specifying

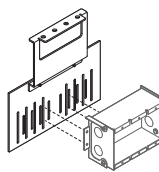
► Page 193



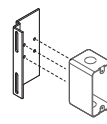
Data



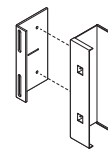
Modular



Hardwire



Hardwire box



Modular power block

Electrical Mounting Bracket-Skin

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Specifying

► Page 194

Electrical Mounting Bracket- Utility Panel

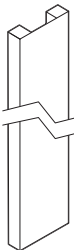
Understanding

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Specifying

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Electrical Components, continued



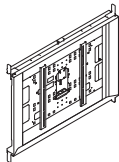
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Utility Panel Cover

77.71654"–141.71654"H



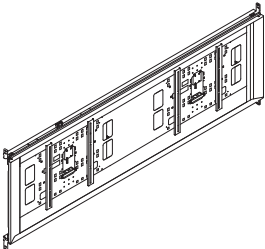
Technology Components



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Specifying
▶ Page 198

Single Monitor Shroud

42"W 48"W 54"W 60"W



Understanding
▶ Page 75
Specifying
▶ Page 199

Double Monitor Shroud

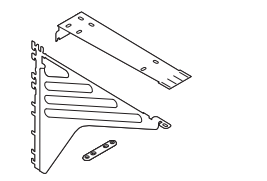
96"W



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Camera Shelf for Monitor Shroud

Hang-On Components



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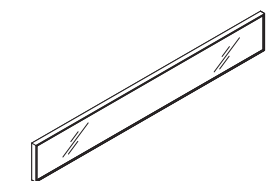
On-Module Cantilever



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▶ Page 202

Side Support Brackets

Lighting



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▶ Page 100
Specifying
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Ambient LED Light

12"–120"W



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▶ Page 101
Specifying
▶ Page 204

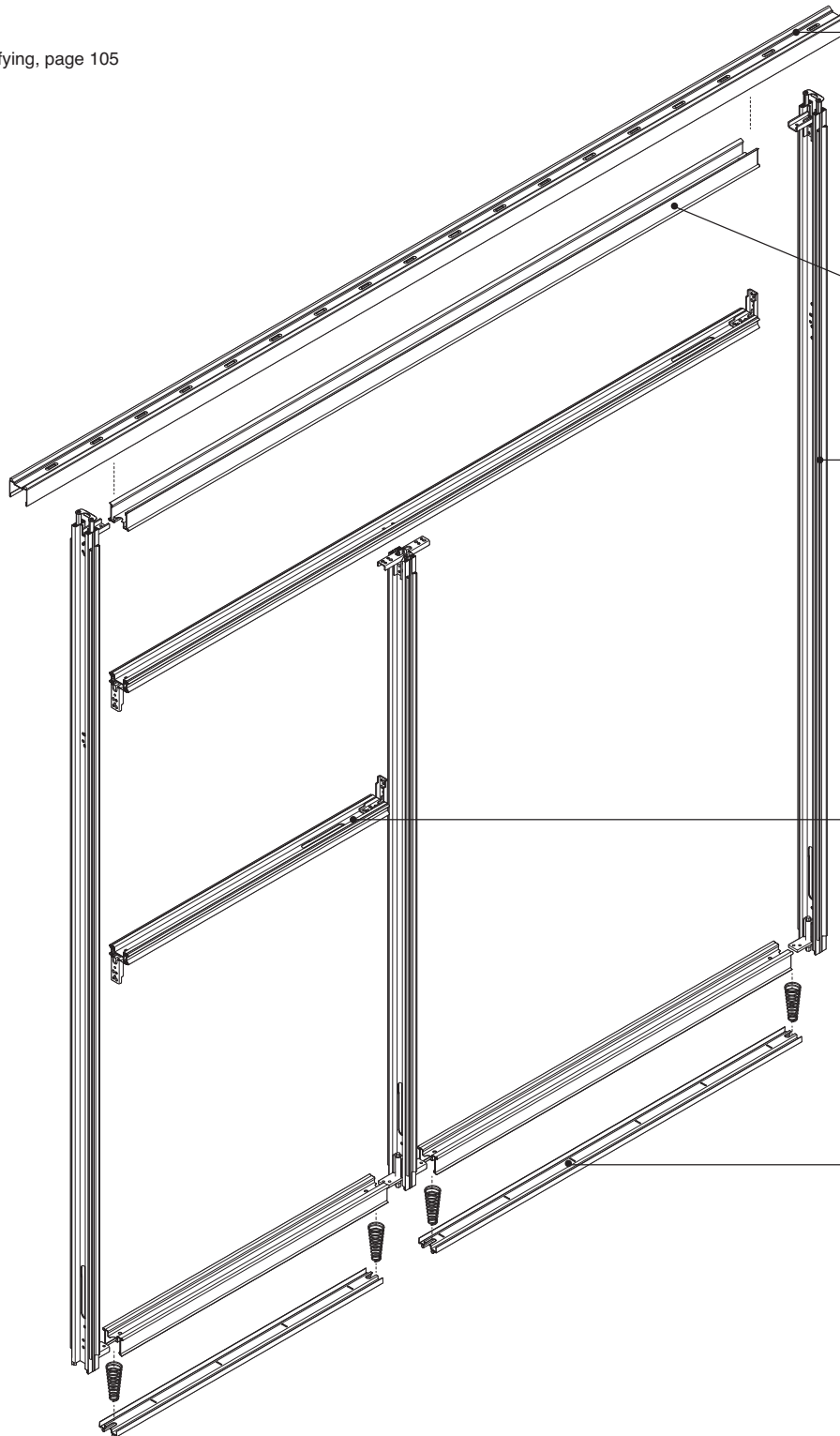
LED Driver

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Structural Frame Components

► Specifying, page 105



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 levers 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

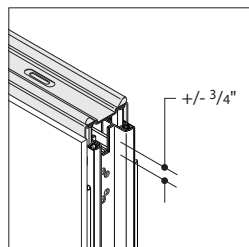
► See *V.I.A. Planning Dimensions*, page 89, for important information regarding dimensional references for all V.I.A. components.

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.

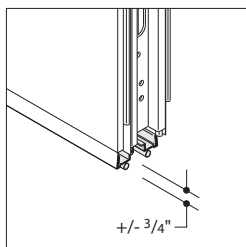
Power and communication mounting brackets are attached to structural and intermediate horizontals for positioning modular and hardware electrical components.

► See *Electrical Components*, page 66



Ceiling track comes in 120" and 144" lengths; can be field cut on site. Allows $\frac{3}{4}$ " 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.

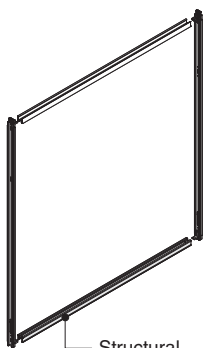


Floor track fits between vertical posts, junctions, or adapters. Allows $\frac{3}{4}$ " of vertical adjustment to accommodate variations at the base of the wall. Floor track is available from 6" to 120"W to fit V.I.A. wall module width.

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.

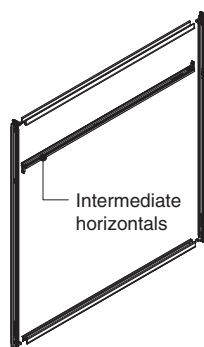


Structural horizontals provide structural connection from post to post at the top and bottom of the wall.

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.

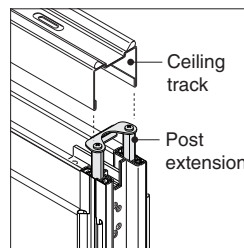
Skins can span across intermediate horizontals.

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.

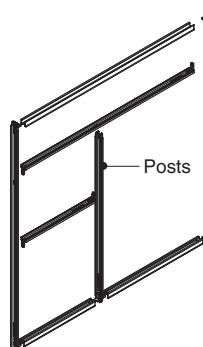
When the ceiling height exceeds 10'-0", posts cannot be spaced more than 48' apart.

Posts include threaded levers 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.

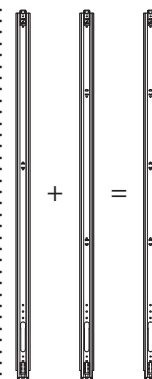


When connecting at the ceiling track, the post includes a post extension to accommodate for variation at the ceiling.

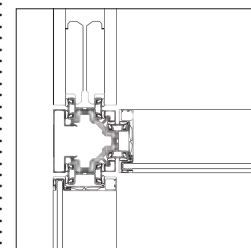


Posts are factory prepared to receive intermediate horizontals at specified heights.

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

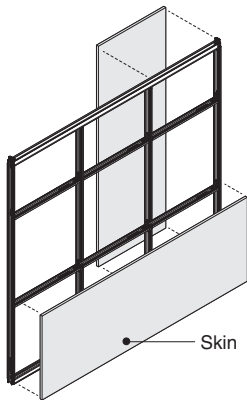


Posts can be configured to receive up to 11 intermediate horizontals. Positions are optimized so that multiple segmentation configurations can be applied to every post to create a universal post as appropriate for a specific project. ► See *SmartTools*, page 4



Multiple posts are joined together at intersections to create junctions. ► See page 56

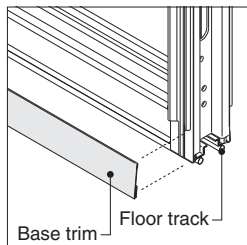
A cable access hole at the bottom of each post allows for routing of power and communications cabling.



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.

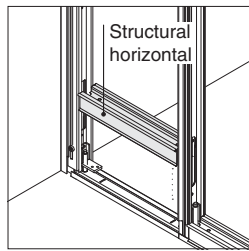
► See page 115



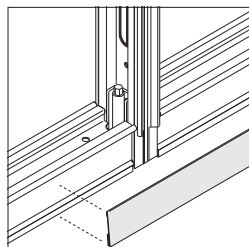
Base trim fits into position at the bottom of the wall over the floor track. Two sizes are available: 10' and 12'L. Base trim is cut to length during installation. 12' lengths can be used over larger spans to minimize the number of seams.

Base trim corner options are:

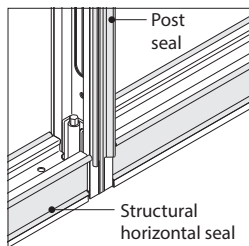
- Fixed angle corners: 90°, 120°, and 135°.
- Variable angle corners: 91° to 119°, 121° to 134°, and, 136° to 179° in 1° increments.



Structural horizontals that are positioned adjacent to cuttable 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:

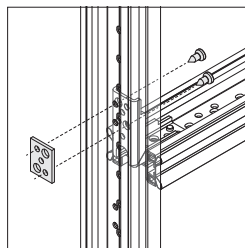
- 1"W exposed T
- 9/16"W exposed T
- 1/4" Donn fineline
- 1/8" Donn fineline
- 1" fluted runner 1/4-20
- 1"W T for tegular ceiling tiles
- 9/16"W T for tegular ceiling tiles

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 24

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.

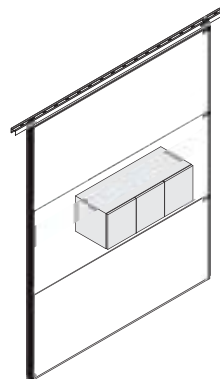
Screws affix structural and intermediate horizontals to posts.

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 114

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 82

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 89

Electrical Components

► See page 66

Acoustic Planning Considerations

► See page 96

Planning with Solid Skins and Landscape Oriented Components

► See page 90

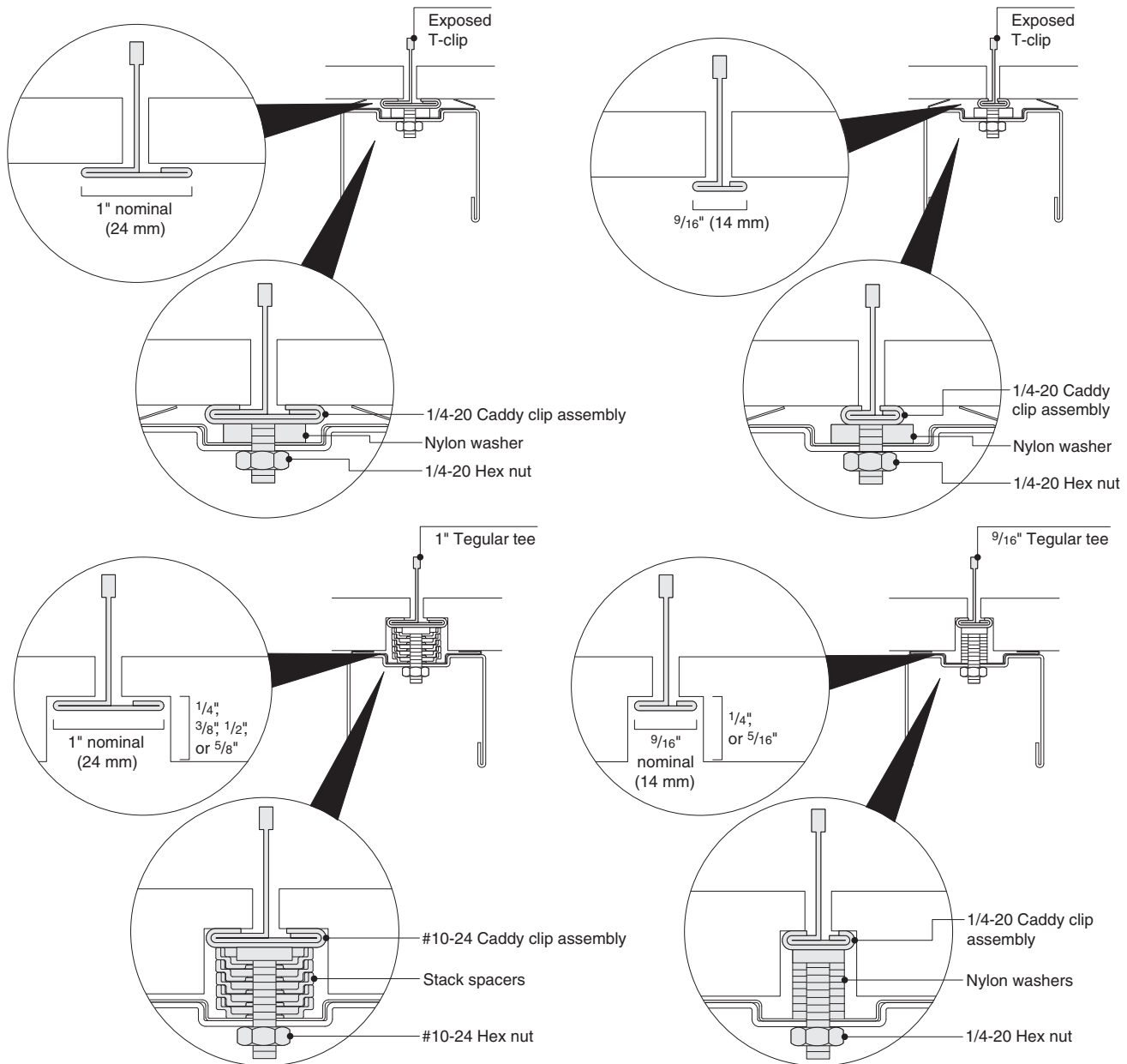
Hang-On Components

► See page 80

Ceiling Clip Application

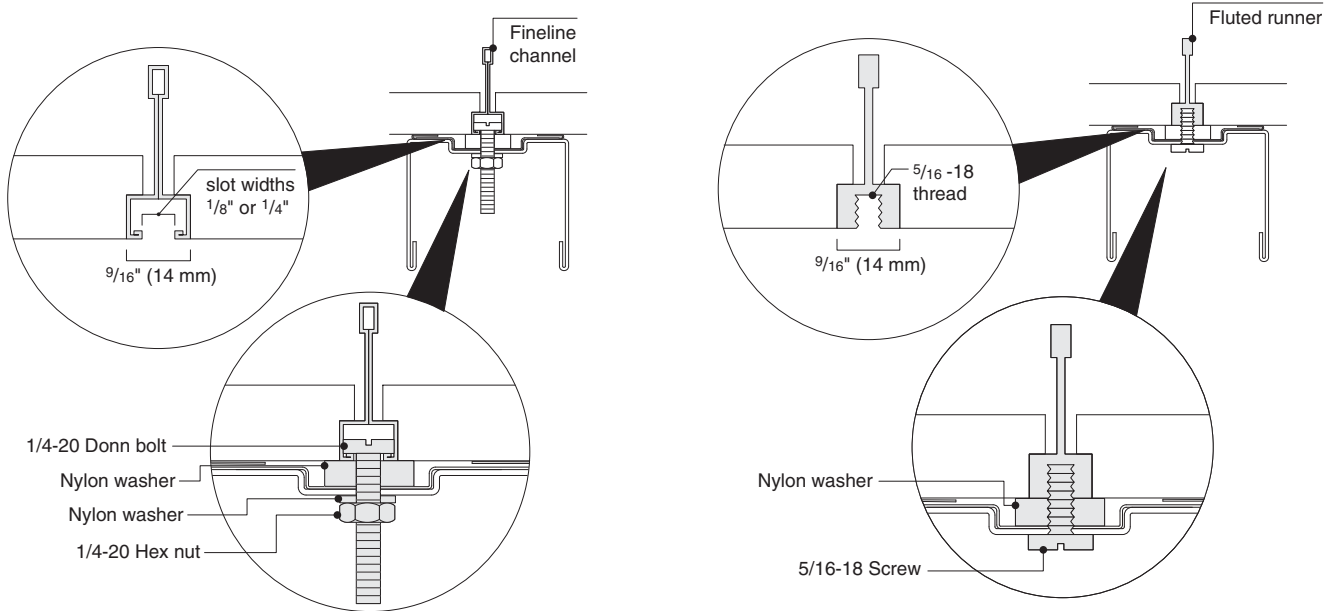
Note: All planning and application guidelines contained in this section of the specification guide are based on the requirement that ceiling track is connected to a ceiling in order to properly support the wall components as shown. The building's designated design professional (architect or engineer) must verify that the ceiling grid is adequate to support the lateral loads imposed by V.I.A. Local codes may require independent bracing.

T Grid Ceiling Fastener Kits

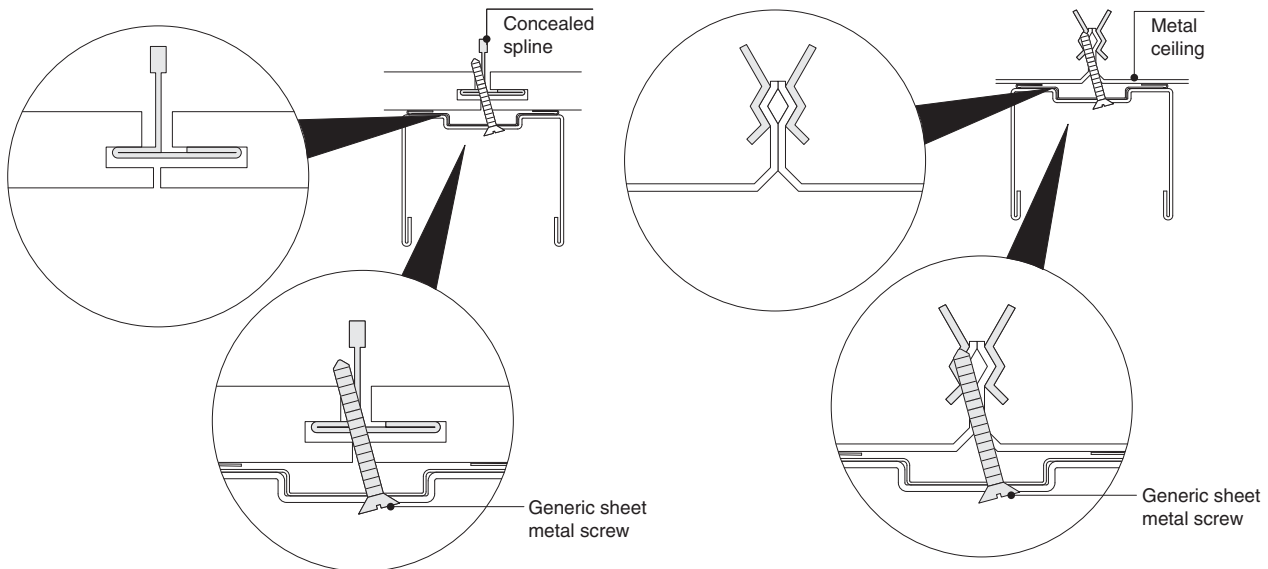


Bolt Slot Grids Ceiling Fastener Kits

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

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 119

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

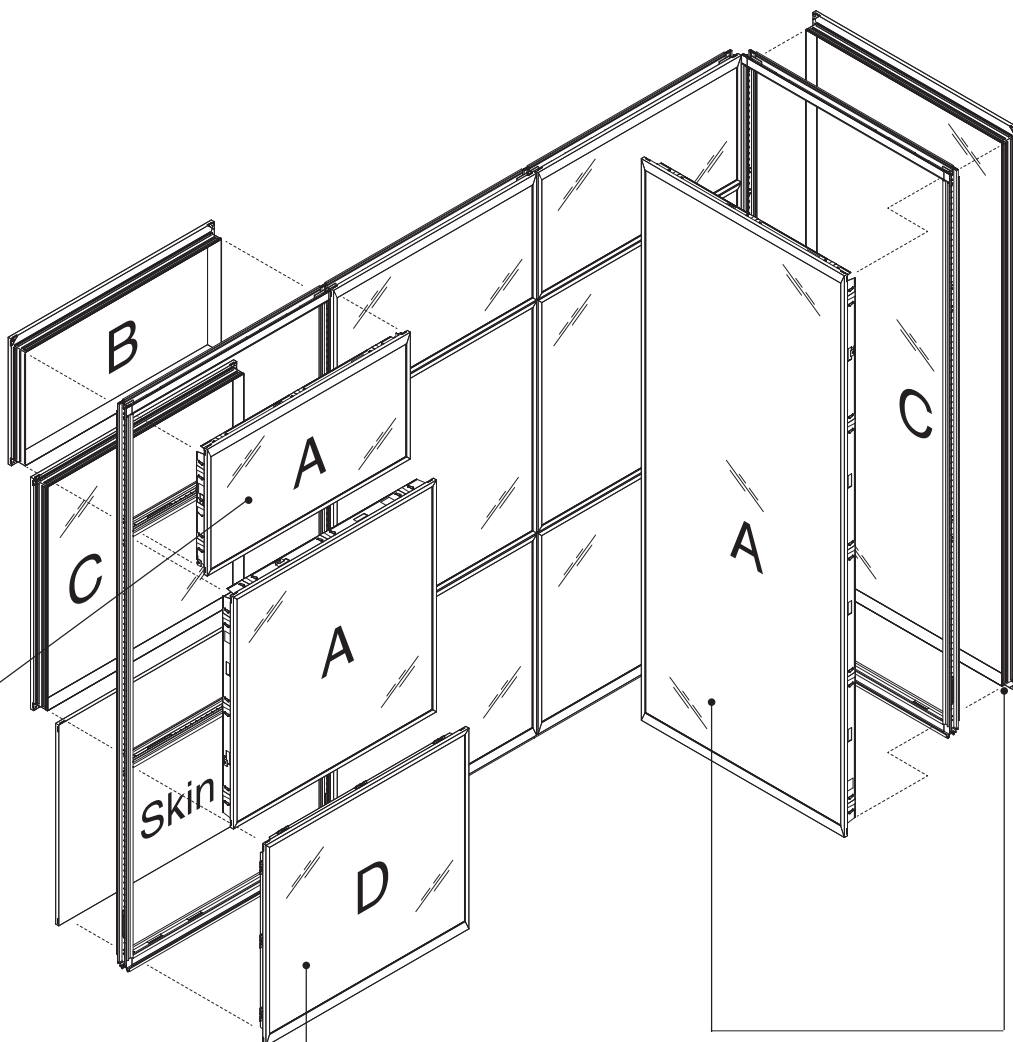
frames can be either single or double glazed.

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.



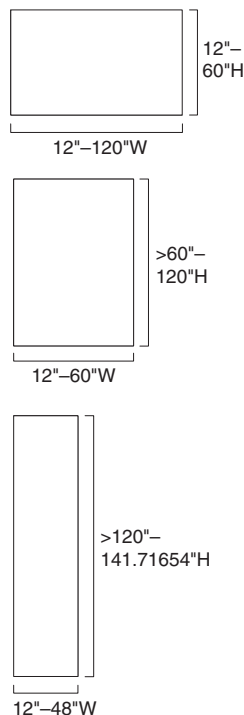
Back-painted glass frames

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

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

Product Details

► See *V.I.A. Planning Dimensions*, page 89, 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:

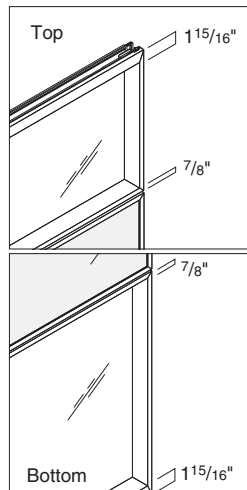
- If 12" to 60"H, then width can be 12"-120"W.
- If greater than 60" to 120"H, then width can be 12" to 60"W.
- If greater than 120" to 141.71654"H, then width can be 12" to 48"W.

Minimum frame height in the bottom position is 15".

Minimum frame height in the top position is 12".

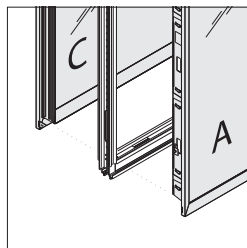
When the ceiling height exceeds 10'-0", posts cannot be spaced more than 48" apart.

Glass frames can accommodate glass thickness from $\frac{1}{4}$ " to $\frac{3}{8}$ ". Back-painted glass is available as $\frac{1}{4}$ " only.

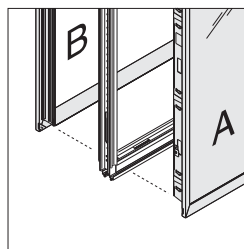


When segmented, top position frames are specifically configured to interface with the ceiling track. Bottom position frames are specifically configured to interface with the floor track. Intermediate frames can be installed in any intermediate position.

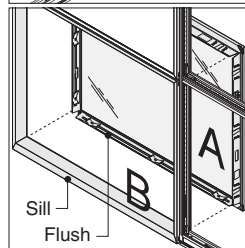
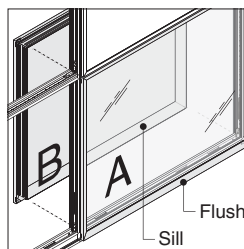
Captured glass frames are interchangeable with solid skins of the same size and orientation.



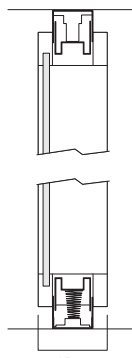
Captured glass frames consist of two sub-assemblies that engage with one another to create a finished frame.



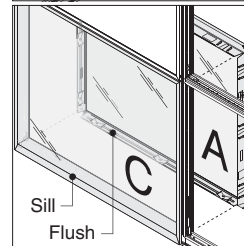
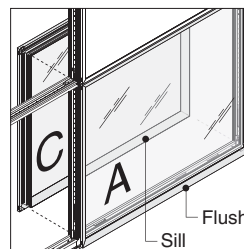
Single glazed frames are designed with a flush glazed side (side A) and a sill side (side B) to finish out the opening.



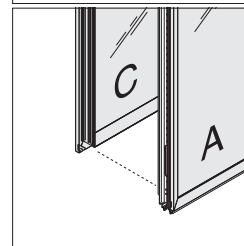
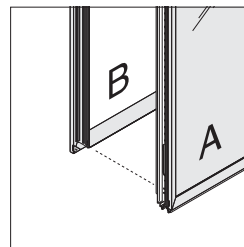
The flush side of a glass frame can be oriented to either face of the wall, without regard for other adjacent components.



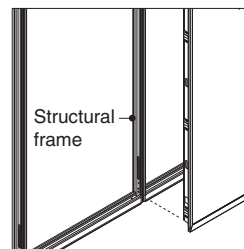
The overall wall thickness is $3\frac{15}{16}$ ".



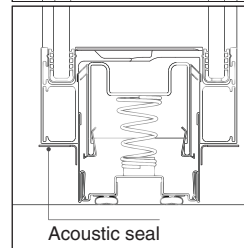
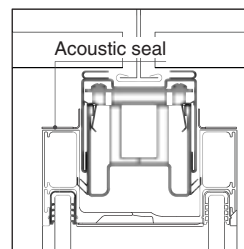
Double glazed frames are designed with two flush glazed sides. Side A is the same configuration as side A used in a single glazed frame. The other glazed side (side C) engages with side A to create a finished assembly.



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



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.

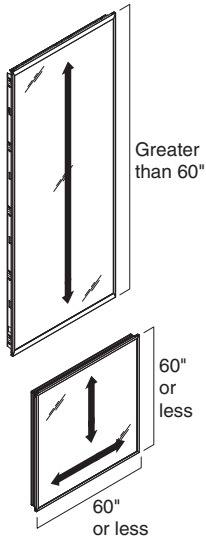
Glass frame acoustic seals are specified at the top and/or bottom of a double glazed frame, where it comes into contact with the ceiling track or base trim.

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.

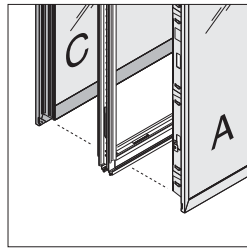
Different types and thicknesses of glass may change the overall acoustic performance of a glass wall.

► See page 98 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.*

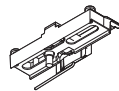
Certain etched or pattern glass types are polished on one face, and rough (etched or pattern) on the other. When defining the surface orientation of a glass frame, it is also important to consider the surface orientation of these types of glass. When planning with etched glass, the polished face of the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



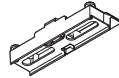
Captured glass frames can be different finishes from one side to the other (side A and C).

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

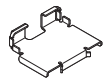
To change from single glazed to double-glazed or vice versa, individual captured glass frames can be ordered (sides A, B, or C).



Locking bracket



Non-Locking bracket

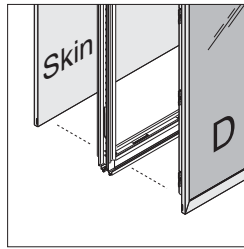


Load bracket



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 32.

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 129

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.

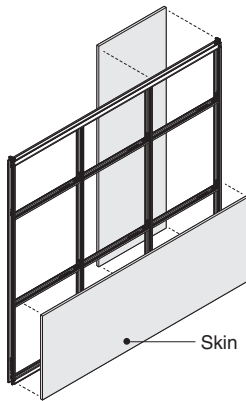
Laminate skins provide a lower priced alternative to painted steel and veneer.

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

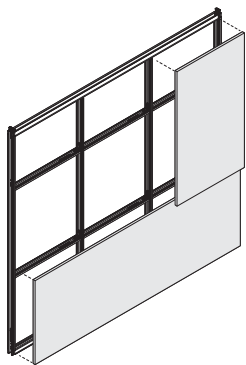
Product Details

► See *V.I.A. Planning Dimensions*, page 89, 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.



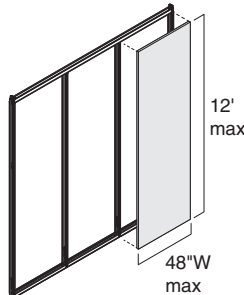
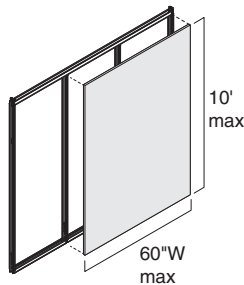
Skins can span structural framing elements, allowing for different skin geometry on opposite sides of a wall.



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.



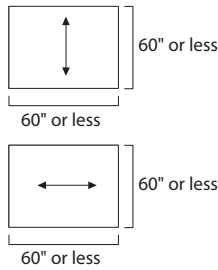
Steel portrait oriented skins can be specified in ceiling heights from 6'-8" to 12'-0". Maximum skin planning width is 60"W up to 10'-0" ceiling height and 48"W up to 12'-0" ceiling height.

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

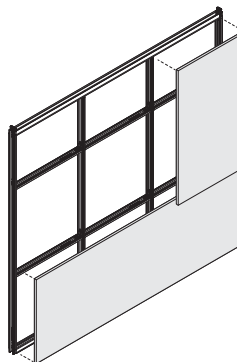
When orienting skins horizontally, the minimum dimension is 6"H x 15"W. The maximum dimension is 60"H x 120"W.

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.

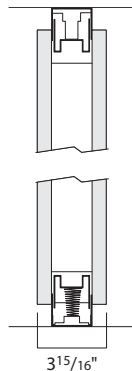


When the skin size is 60" or less in width and height, the fabric warp direction can be specified to run vertically or horizontally.



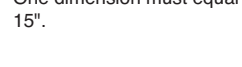
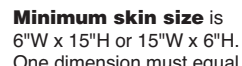
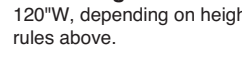
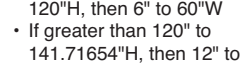
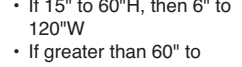
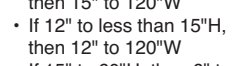
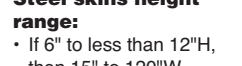
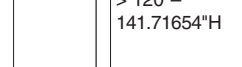
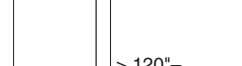
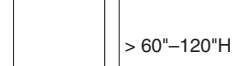
Skins can span across posts and intermediate horizontals.

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 89.



The overall wall thickness is 3¹⁵/₁₆".

Steel Skins

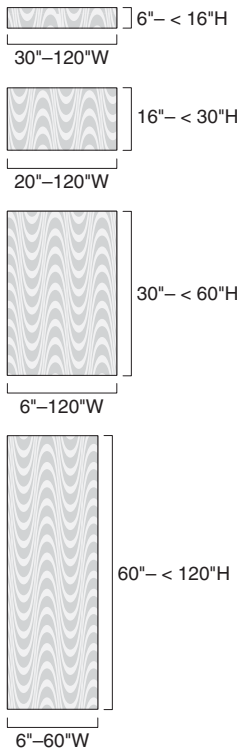


The minimum height of a skin in the top position of a wall is 12".

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).

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

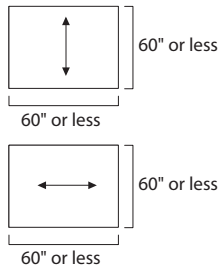
Width range is 6" to 120"W, depending on height rules above.

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

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).

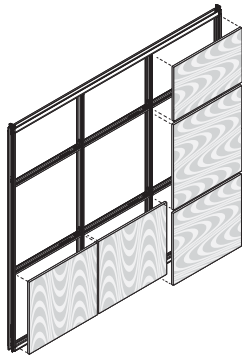
When the width or height of a veneer or wood grain plastic laminate skin exceeds 60", the grain pattern will run parallel to the long dimension.



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.

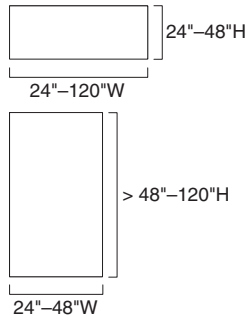
► See *Pleasing Match—Veneer*, page 210



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

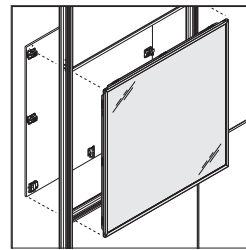
Width range is 24" to 120"W, depending on height rules above.

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 e³ environmental ceramicsteel surface.

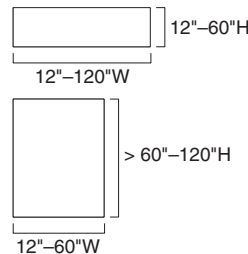
Ceramic skins do not accommodate electrical cutouts.

Back-Painted Glass Frames



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

Height range



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.

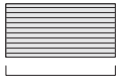
Back-painted glass frames are configured to allow placement of solid skins on the opposite face of the wall.

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



6", 12", 18",
and 24"H

24"–60"W

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.

Note: 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 96

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

▶ See *Acoustic Planning Considerations*, page 96

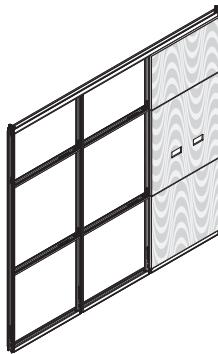
Wiring & Cabling

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

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

Veneer skins

- Wood
- Customiz stain

Ceramic skins

- e³ 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.

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*.

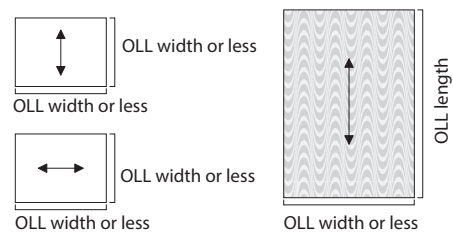
OLLs are available for High-Pressure Laminate surfaces only.

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 89

Electrical Components

▶ See page 66

Hang-On Components

▶ See page 80

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.

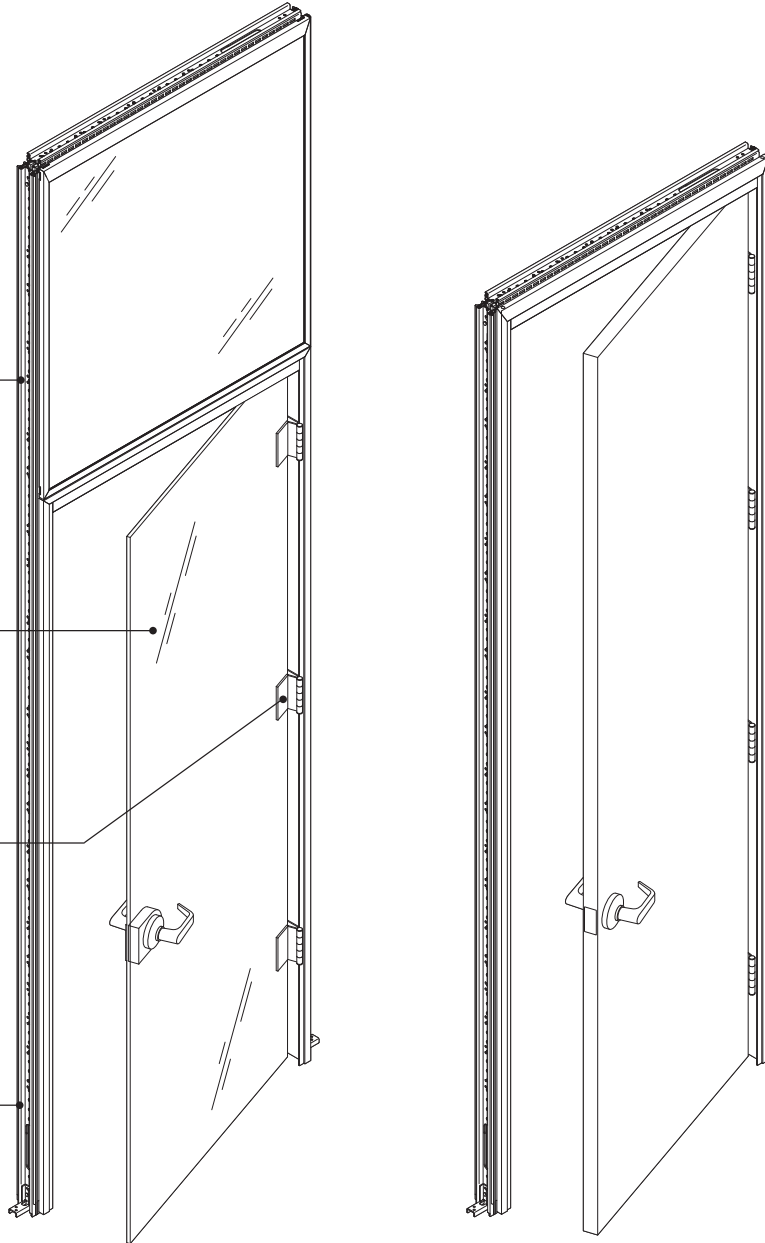
► Specifying, page 143

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

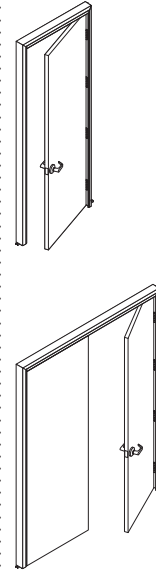
Door leaves accommodate latch sets or door pulls and are available in solid or polished edge glass.

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

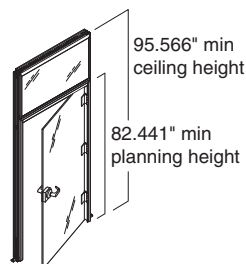


Single and pair versions of doors and door frames are available.

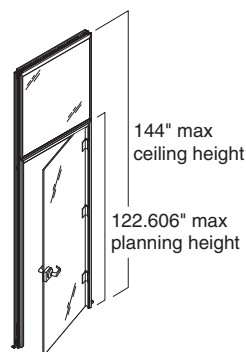
► See *V.I.A. Planning Dimensions*, page 89, for important information regarding dimensional references for all V.I.A. components.



Full height



Transom height minimum



Transom height maximum

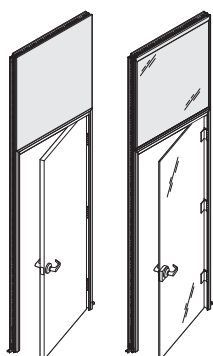
Door frames are available in full height and transom height configurations, and are parametric.

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".

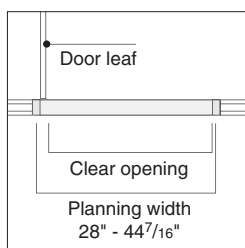
Tip: The minimum designated heights will deliver a clear opening height of 80", which is a minimum requirement by code in most areas.



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

Door swing orientation can be altered during the installation process.

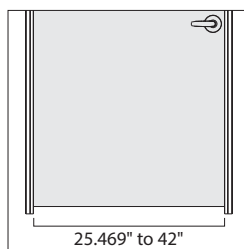
Tip: Some door frame components are handed during the factory assembly process to simplify packaging and handling. These can be changed during the installation process. Door frame handing is specified when ordered to align with initial installation.



Single door frame width is parametric, and can vary from 28" to 44⁷/₁₆" 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 5⁵/₈".

Polished edge doors are 1/2" thick.

Solid doors are 1³/₄" thick.

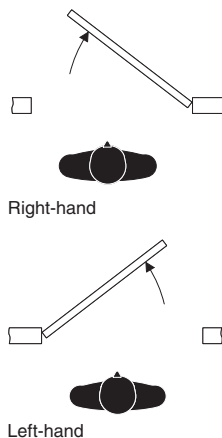


The single door leaf width is also parametric, and can vary from 25.469" to 42".

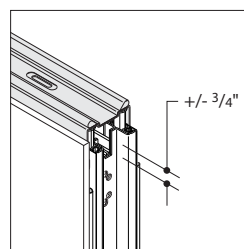
Single solid door width = planning width minus 2.445".

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

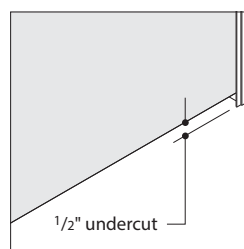
Tip: The minimum door width is not ADA compliant, but may be desired for storage or closet applications.



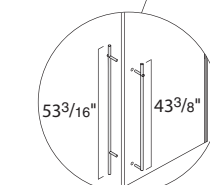
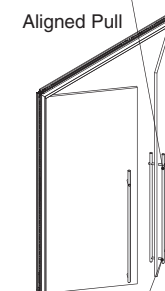
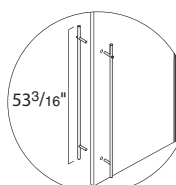
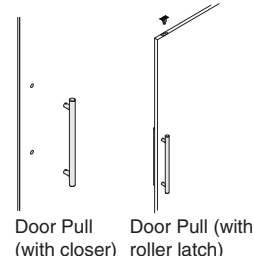
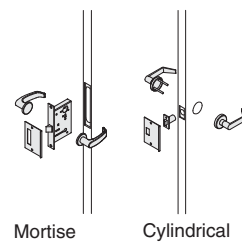
To determine door swing orientation: facing the door, so that the door swings away from you, the side that the hinges are on defines the handing of the door.



Ceiling track allows 1 1/2" of vertical adjustment (plus/minus 3/4"), to accommodate ceiling variation.



The door frame assembly is designed to allow for 1 1/2" of adjustment at the floor (plus/minus 3/4"), while maintaining a consistent 1/2" 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.



Offset Pull

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.

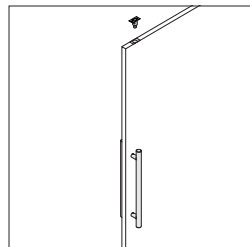
The mortise lockset for reversible doors can be specified in one of two ways:

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.

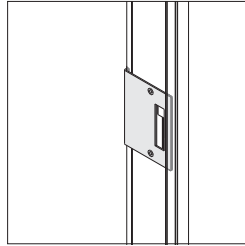


When specifying a door with push/pull handle or ladder pull, either a roller latch or closer must be selected.

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.

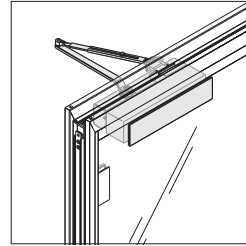
Tip: If using mortise locks by other manufacturers, check with the specials team for strike plate compatibility.

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.

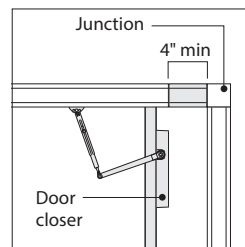
Tip: Reversible door frames are not compatible with deadbolt locks.

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

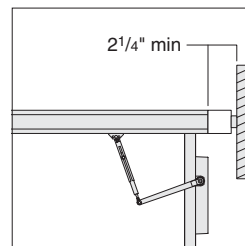
When an electric hinge is required at a door opening, one less hinge will be provided with the door frame.



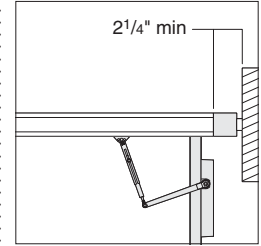
Door closers are available for use on solid and glass doors when the door must close automatically for safety and security reasons.



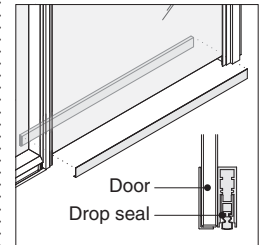
When mounting a closer on a door, and positioning the door at an inside corner, the door frame must be spaced at least 4" away from the adjacent surface.



When mounting a closer on a door and positioning the door at a mini-end, the door frame must be spaced at least 2 1/4" 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 2 1/4" 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.

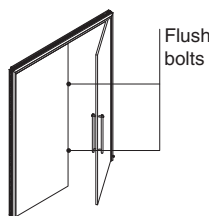
Veneer doors use a pleasing match veneer layup technique, similar to veneer skins.

► See *Pleasing Match—Veneer*, page 210

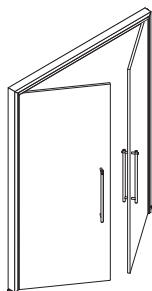
Reversible pairs of doors can be specified for spaces that require wider door openings for egress, or to provide greater access for storage.



Two Active



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

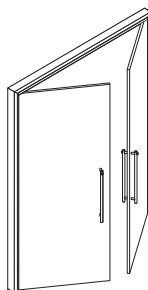


Two Active

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.

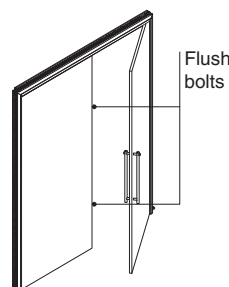
Door and door frame appearance for pairs of doors match the single reversible door assemblies. Inactive doors and frames for inactive doors are not reversible.

Both doors in a pair must be the same material.



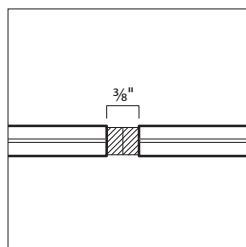
Two Active

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.

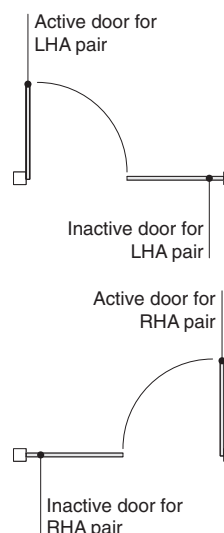


Active/Inactive

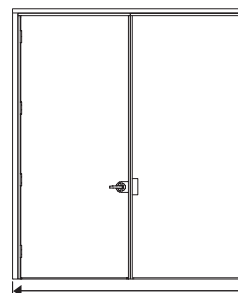
When configured as one active and one inactive: Only solid doors are available only as active/inactive. The active door can be a different width than the inactive door. The inactive door leaf is equipped with flush bolts to fix the door in place. The active door can be equipped with either a mortise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

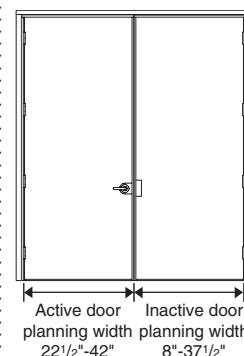


The handing of an active/inactive pair of doors is determined by the door swing orientation of the active door.
Tip: Active/active pairs are not handed.



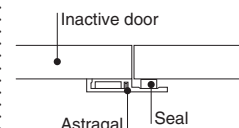
Door frame planning width 48"-80"

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.

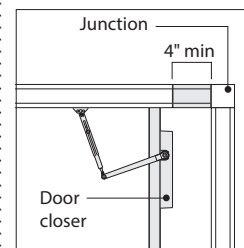


The door leaf widths are also parametric, and can vary in width depending on active versus inactive configurations.

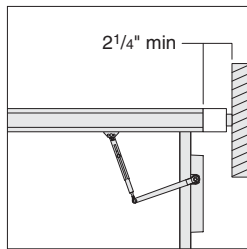
An active door width can vary from 22 1/2" to 42" planning width. When both doors are active, the maximum planning width is 40". An inactive door width can vary from 8" to 37 1/2".



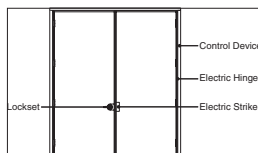
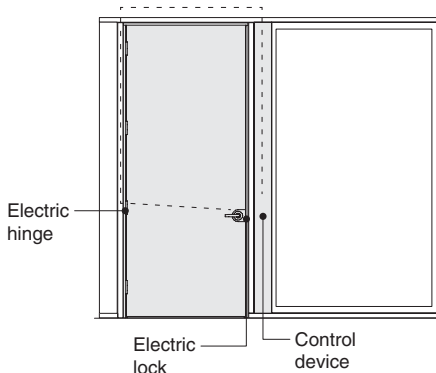
Active/inactive pairs of doors include an astragal with seal. The astragal is finished to match the door frame.



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 2 1/4" away from the adjacent surface.

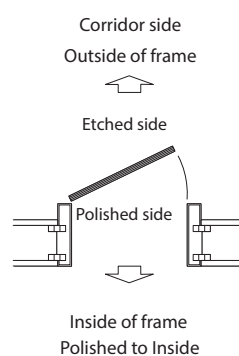
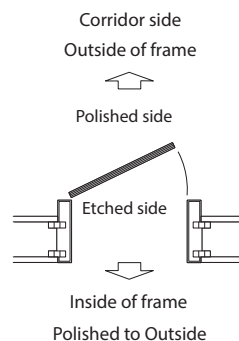
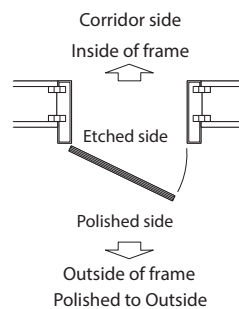
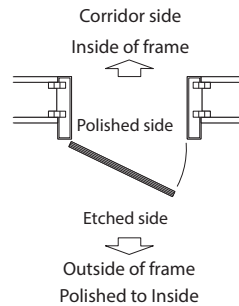


When door openings require an electronic security feature, solid doors can be equipped with an electric hinge. The electric hinge includes wire conductors that link an electric lock to the control device (card reader or keypad). When specified, the solid door is constructed with an internal wireway to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

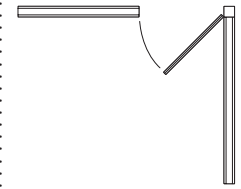
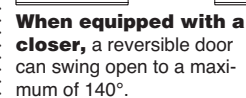
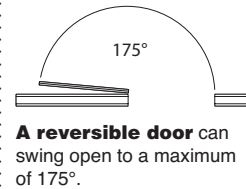
Door openings that require electronic security are typically equipped with closers in order to help maintain a secure opening. When mounting a closer on a door and positioning the door at an inside corner or mini end, the door frame must be spaced at least 4" away from the adjacent surface.

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.

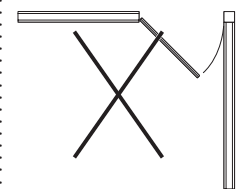
Door stops can be ordered for use with doors. Magnetic wall stop or dome-style floor stop are available.



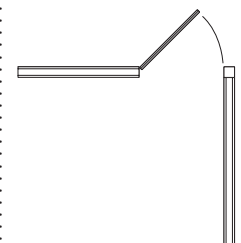
When specifying doors with etched glass, the etched surface can be oriented to either side of the wall, regardless of handing or on which side of the wall the door is mounted.



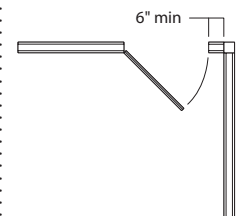
Hinge jamb at two-way 90° junction
Acceptable



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



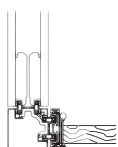
Strike jamb at two-way 90° junction
Swing to outside of junction
Acceptable



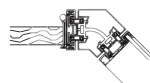
Strike jamb at two-way 90° junction
Minimum 6" from junction
Acceptable

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

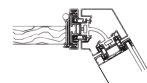
Connections



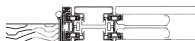
Two-Way 90°



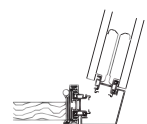
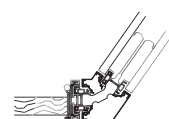
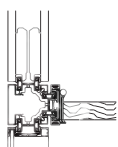
Two-Way 135°



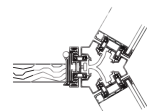
Two-Way 120°



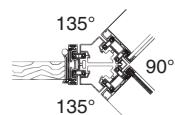
Two-Way 180°

Two-Way variable
91° - 94°Two-Way variable
95° and greater

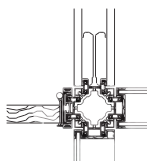
Three-Way 90°



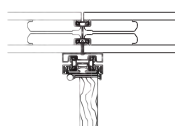
Three-Way 120°



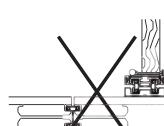
Three-Way 135°



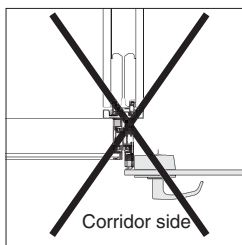
Four-Way



Adapter T on module



Adapter T off module



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

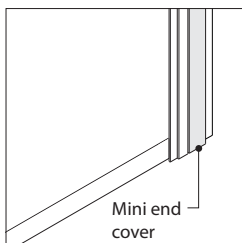
Junctions join a door frame to a V.I.A. wall in an L-, T-, X-, V-, or Y-configuration.

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 180



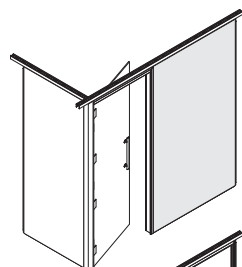
When positioned next to a door frame, the mini end cover will be specified with the to floor option and will be field cut by the installer to final length.

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 69

Intermediate
horizontal

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 155

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.

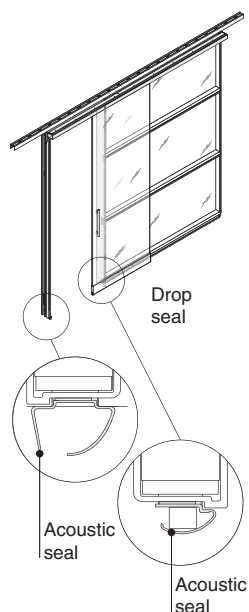
Slider door and frame can accommodate a pull or lockset.

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

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

Product Details

► See *V.I.A. Planning Dimensions*, page 89, 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.

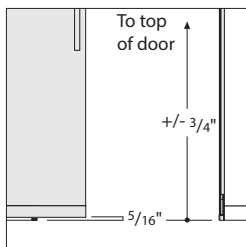
Heights range:

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

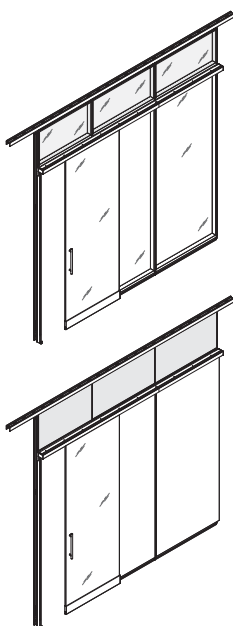
Tip: Must use transom height door units when ceiling height exceeds 122".

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.

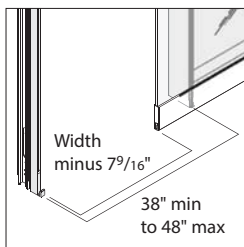


The door frame assembly is designed to allow for 1½" of adjustment at the floor (plus/minus ¾"), while maintaining a consistent 5/16" undercut between the bottom of the door and the floor.



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

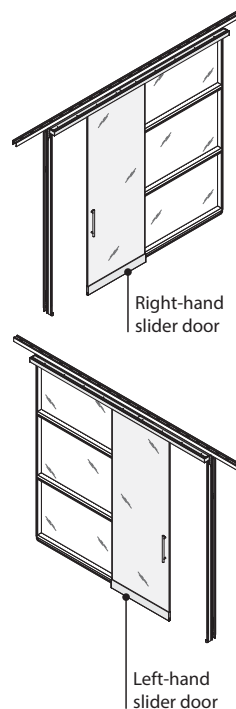
Doors can be oriented to either face of the wall to position the door on either the interior or exterior of a room.



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 79/16".
Tip: Door frames that are less than 397/16" planning width will not meet ADA guidelines for minimum clear opening (32").

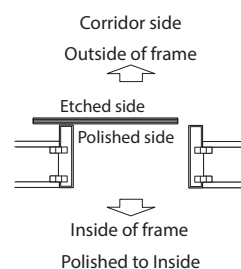
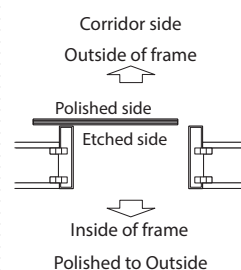
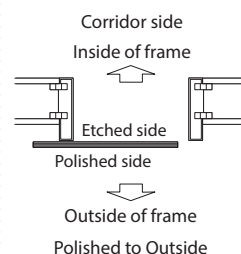
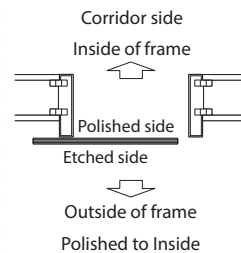
The maximum door frame planning width will vary according to door height.

► See page 48

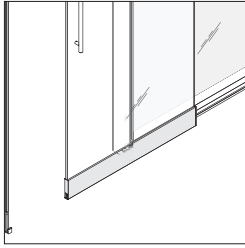


Door handing is determined by the direction in which the door travels when opening, as viewed from the face of the wall on which the door is mounted.

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.

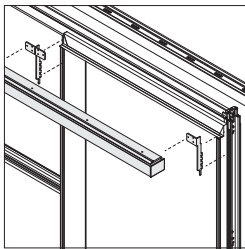


When specifying doors with etched glass, the etched surface can be oriented to either side of the wall, regardless of handing or on which side of the wall the door is mounted.



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.

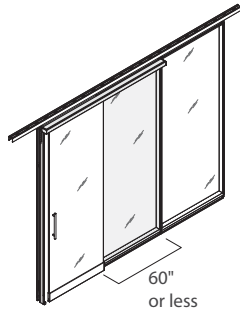
Slider track is parametric, and spans the door frame and the adjacent wall module(s).



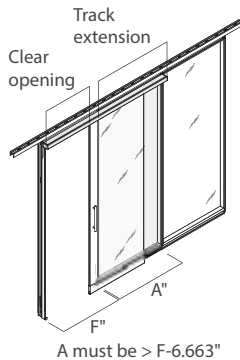
Slider track is mounted to structural posts using support brackets, which are specified in either a left, right, or T-configuration. The track is pre-drilled to fasten to the support brackets in the appropriate positions.

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

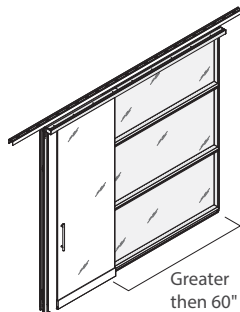
Slider track brackets are painted, and can be specified to match adjacent door frames, glass frames, and skins.



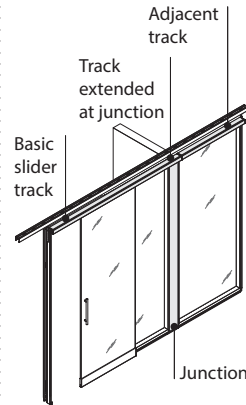
The basic slider track is used with vertically oriented wall modules, where planning widths do not exceed 60".



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.

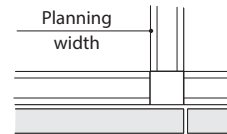
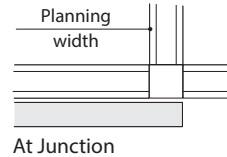
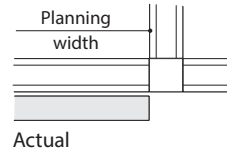


The reinforced slider track is used with landscape oriented wall modules, where planning widths are greater than 60".
▶ See V.I.A. Planning Dimensions, page 89

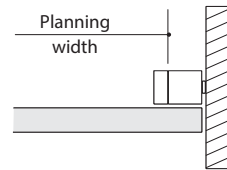


If visual continuity is desired along room exteriors, basic slider track width can be extended to span junctions, adapters, and mini ends.
Tip: When spanning a mini end, the track length allows for an additional 8", and is cut to the exact length by the installer.

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

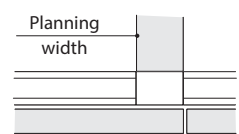
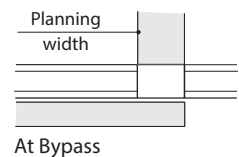
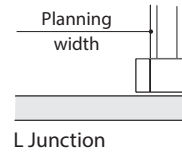


Support Junction
Two sections of track supported at one junction

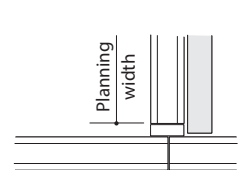


Cutable at Mini end

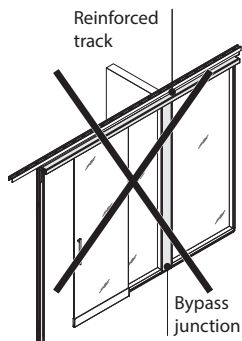
Slider track ends are cut to the correct length as dictated by the plan, with the appropriate hole position for track brackets.



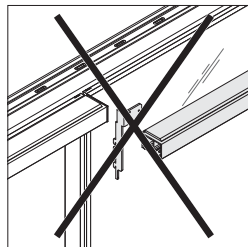
Support Bypass
Two sections of track supported at one bypass



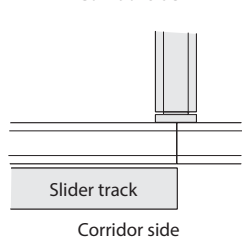
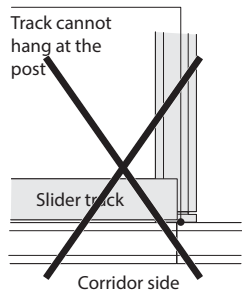
At Adapter



Reinforced track cannot extend over junctions and mini ends.

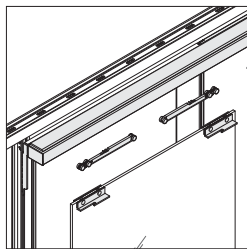


Reinforced track cannot butt to other sections of track.

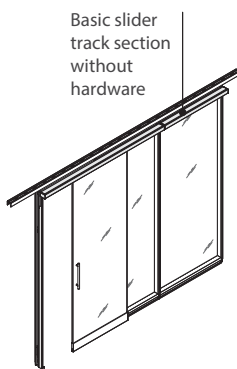


When planning with T-adapters, slider doors must be oriented to the corridor side of the wall.

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



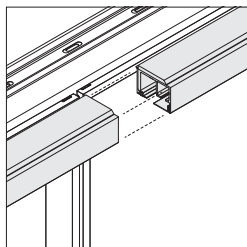
Basic slider track can be ordered with all required hardware, including carriers and soft-close braking mechanisms.



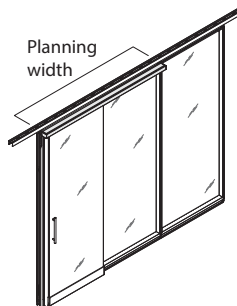
Sections of basic slider track can be specified without hardware and installed adjacent to other sections of track for visual continuity.

Adjacent sections of slider track must meet at a post.

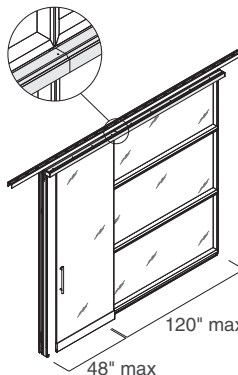
When the end of a basic slider track is not directly adjacent to another section of the track, the end is notched to receive an end cap.



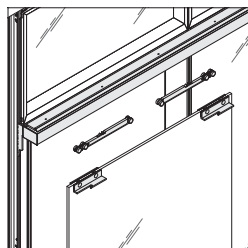
When the end of a basic slider track butts to another section of the track, the end is not notched.



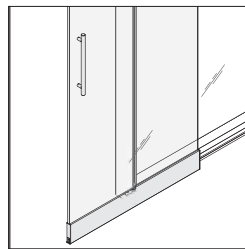
The slider track planning width is door frame width plus adjacent wall module(s).



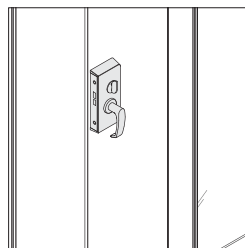
The reinforced slider track will be made up of two sections of track that will span a maximum door frame width of 48", and a maximum adjacent module of 120".



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.



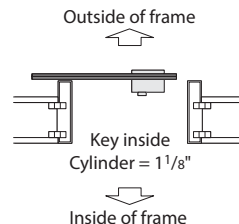
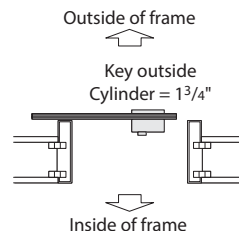
Lever locksets are available as an option on single doors, and are equipped with an ADA compliant single action lock feature, allowing for the door to be unlocked and opened in a single motion.

Locksets can be provided in one of two configurations:

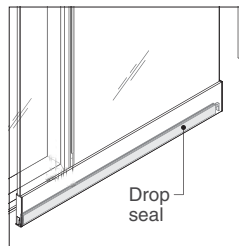
- Random key with standard cylinder
- No cylinder (to allow customer to provide cylinders to specific keying requirements)

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.

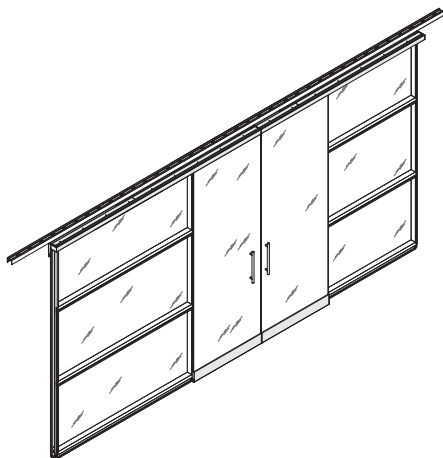
Slider locksets are compatible with levers as manufactured by Schlage, Dorma, and Lawrence.



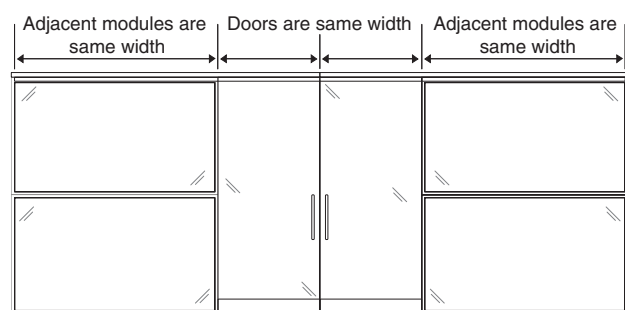
When ordering cylinders from other suppliers for use with the V.I.A. slider lever locksets, cylinders must be specified with a Schlage L cam configuration. When keyway and cylinder are oriented to the outside of the door frame, specify a 1 3/4" cylinder with a 7/16" trim ring. When keyway and cylinder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



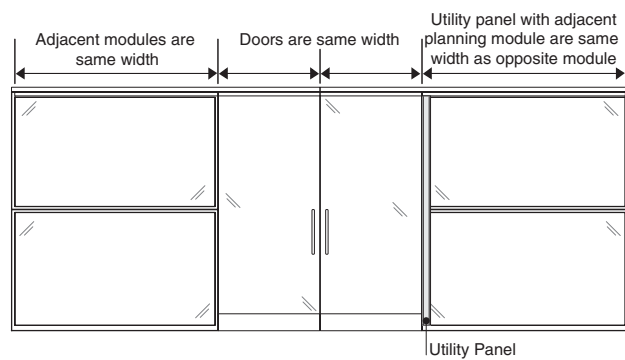
To enhance acoustical performance, an optional drop seal can be specified in the bottom of the door. The drop seal automatically deploys to block the gap under the door when the door is closed, and retracts when the door is open.



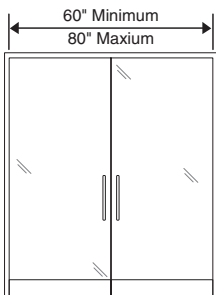
Biparting pairs of slider doors can be specified for spaces that require wider door openings for egress. Pairs of doors are available in full height and transom height configurations.



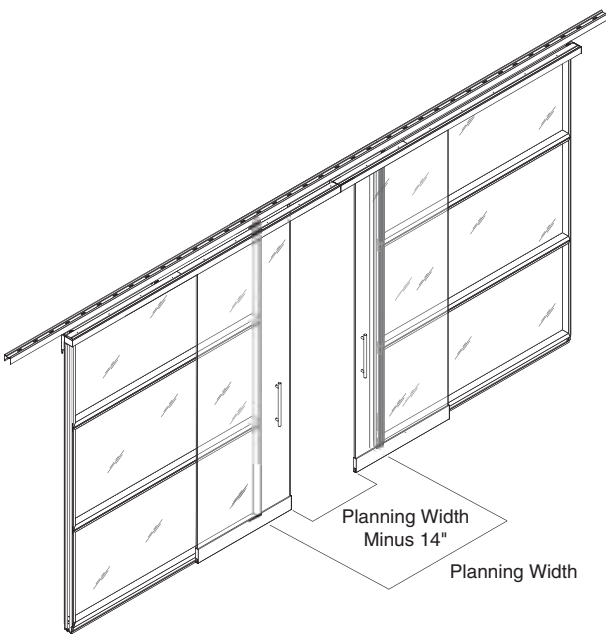
Biparting slider doors are symmetrical. Both doors are the same size, and both adjacent modules are the same size.



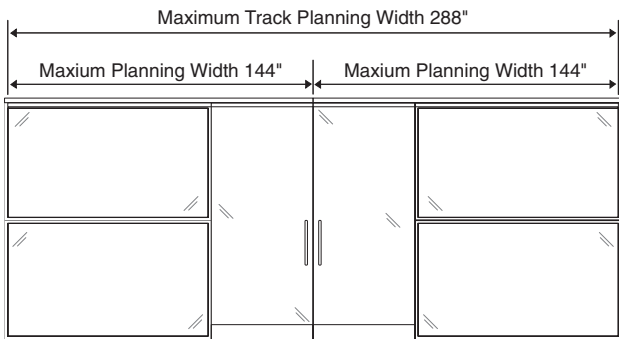
A utility panel can be positioned adjacent to a door frame for pair of doors. The combined width of the utility panel and its adjacent module must be the same as the opposite planning module.



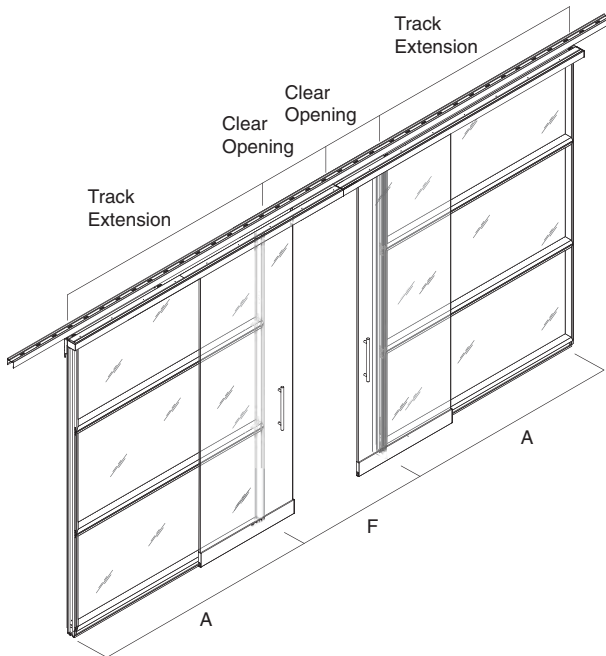
Door frame width is parametric, and can vary from 60" to 80" planning width. Planning width is measured as centerline of post to centerline of post.



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.

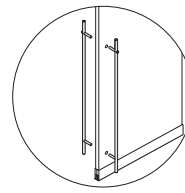


The modules adjacent to the door frame [A] on which the track is mounted must be a minimum width as calculated below:

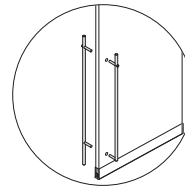
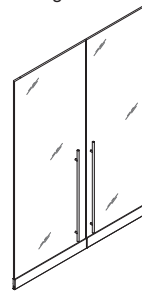
Minimum [A] Dimension = Door frame planning width ($[F] \times \frac{1}{2}$) — 6.5.

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 ($[F] \times \frac{1}{2}$) — 6.5.



Aligned Pull

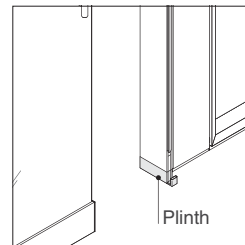


Offset Pull

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

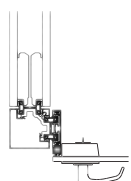
Pairs of slider doors cannot be equipped with drop seals.

Pairs of slider doors are non-handed.

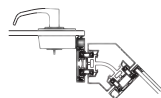


Plinths (ordered as a service part) can be used at the bottom of the door jamb to adapt to potential floor height changes when repositioning door frames during wall reconfigurations.

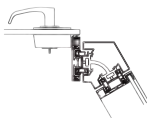
Connections



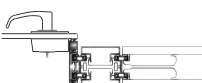
Two-Way 90°



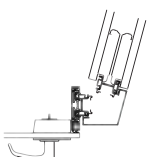
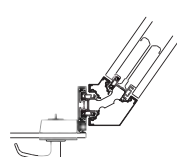
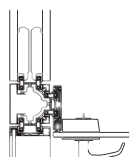
Two-Way 135°



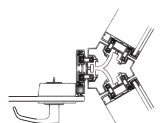
Two-Way 120°



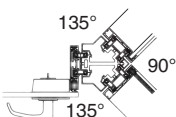
Two-Way 180°

Two-Way variable
91° - 94°Two-Way variable
95° and greater

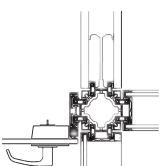
Three-Way 90°



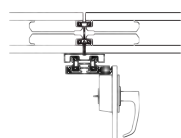
Three-Way 120°



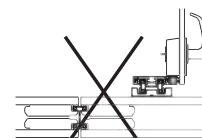
Three-Way 135°



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.

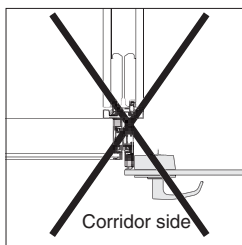
Adapters (on module) connect a door frame to a V.I.A. wall in a T- or X- configuration.

► See adapters, page 58

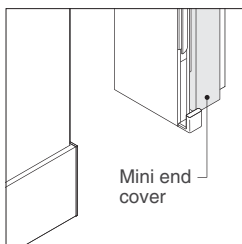
Door frames cannot be positioned adjacent to an off-module adapter.

Mini ends connect a door frame to perpendicular building wall.

► Page 62



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, Room-Wizard II, and other technology devices.

► See page 69

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

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"	40"
120"	118.875"	40"	118"	40"
119"	117.875"	40"	117"	41"
118"	116.875"	40"	116"	41"
117"	115.875"	41"	115"	42"
116"	114.875"	41"	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.

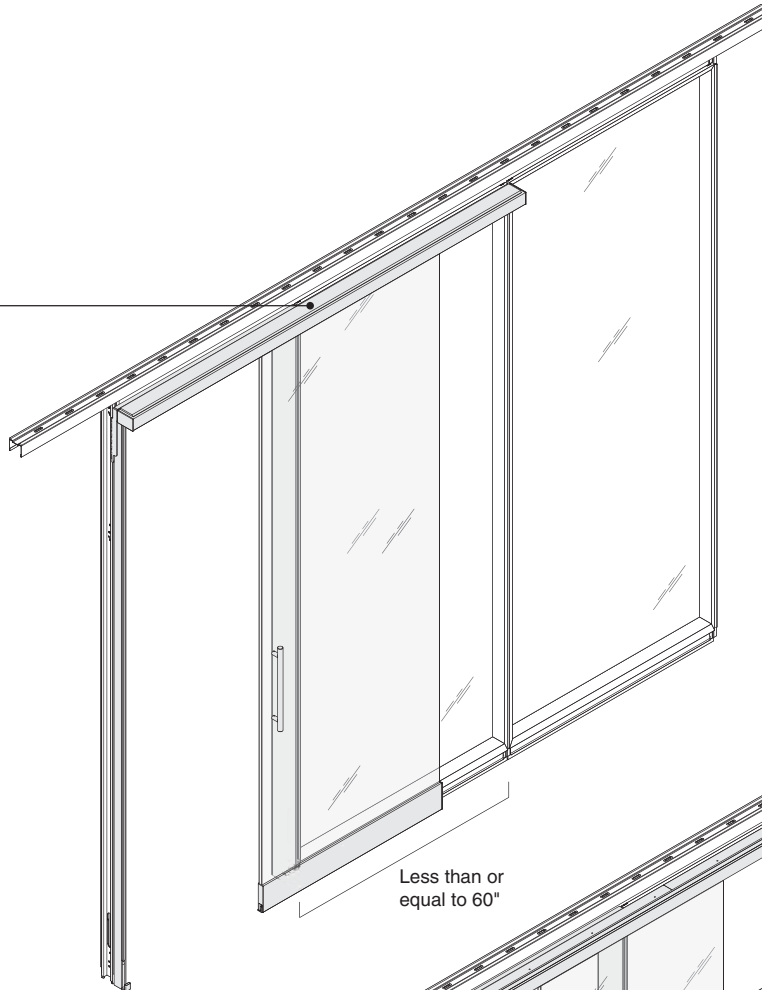
Basic Track Versus Reinforced Track

Slider Door Configurations - Advanced Planning

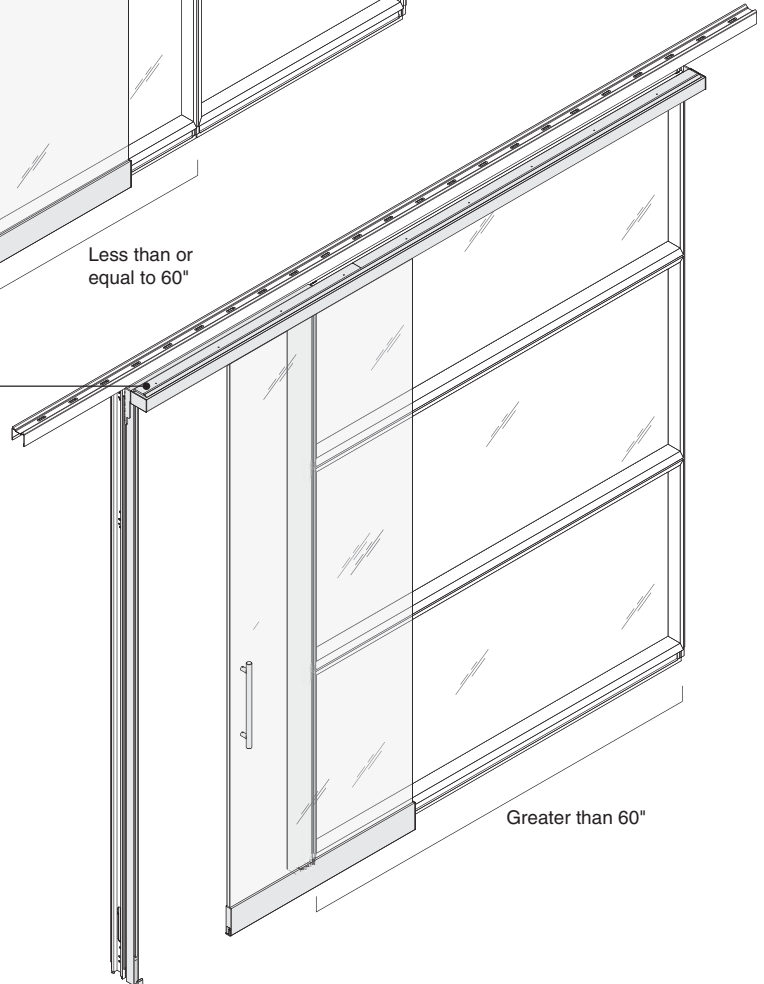
Basic Track Versus
Reinforced Track

Understanding
V.I.A.

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".



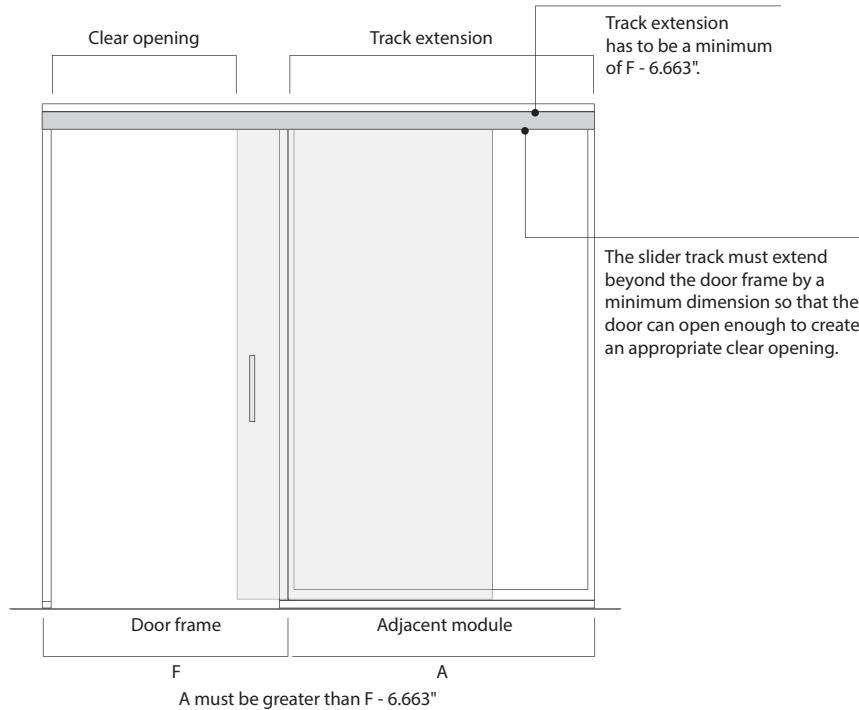
Reinforced track is an aluminum extrusion that is structurally reinforced with a steel angle to span longer lengths. Reinforced track is required when the module adjacent to the door opening is greater than 60". Reinforced track is made up of two lengths of track. Overall length cannot exceed 168\"/>



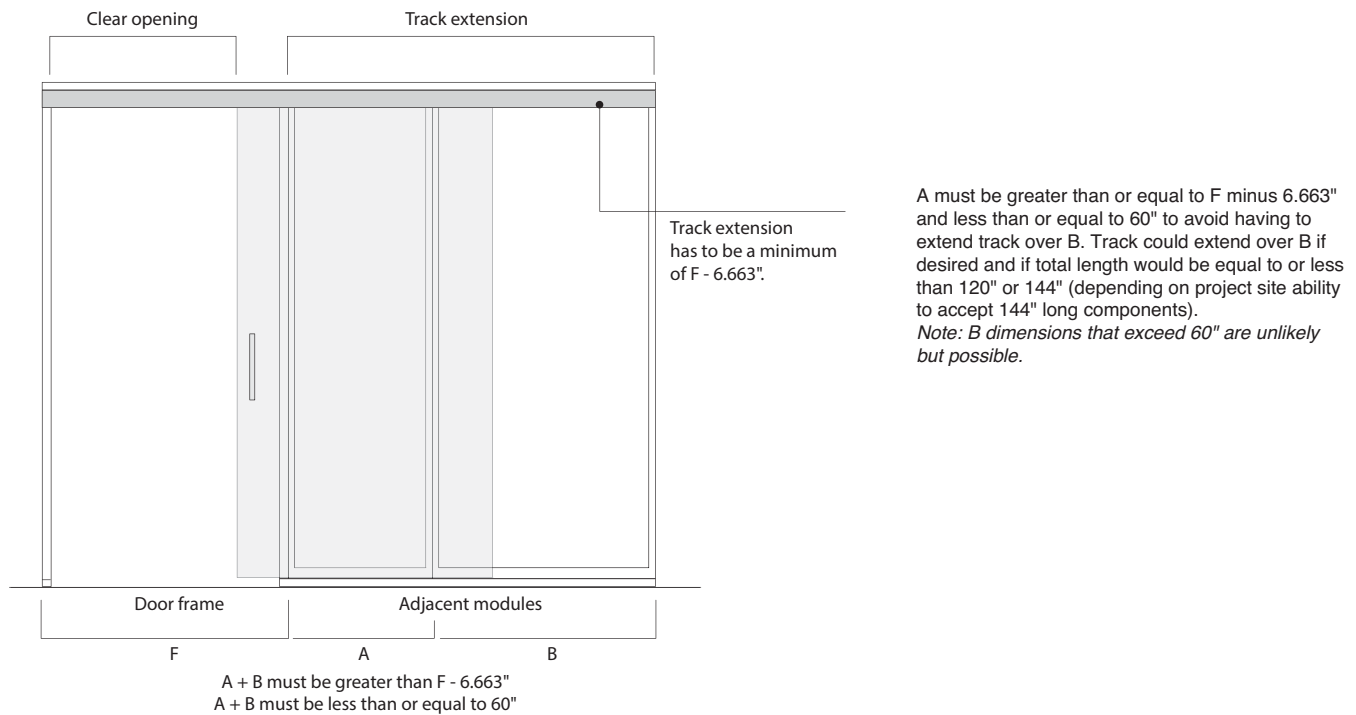
Basic Track Examples

Slider Door Configurations – Advanced Planning

Slider Door and Single Adjacent Module

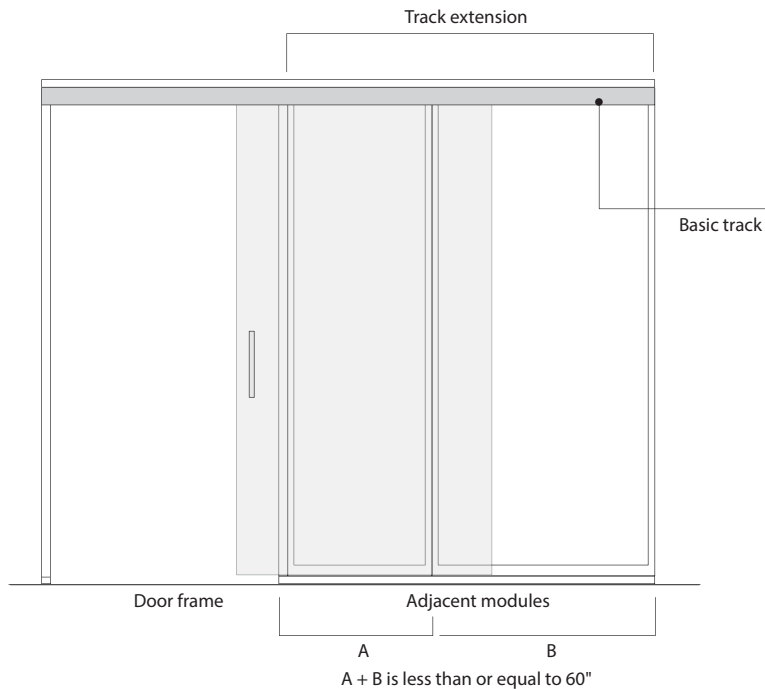


Slider Door and Multiple Adjacent Modules

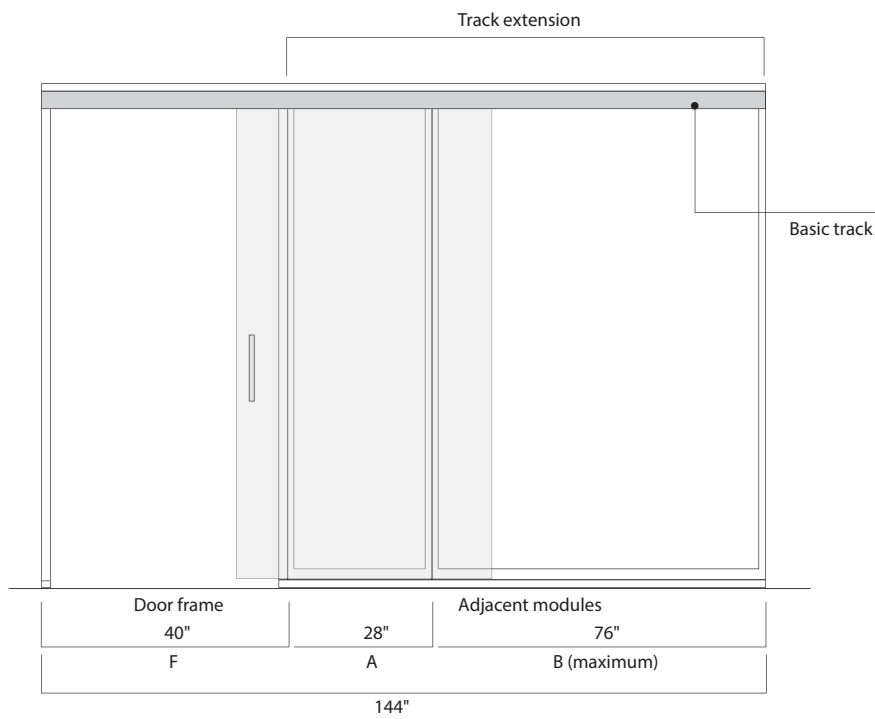


► See *SmartTools*, Page 4

Slider Door and Multiple Adjacent Modules, continued



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 continuous visual is desirable.

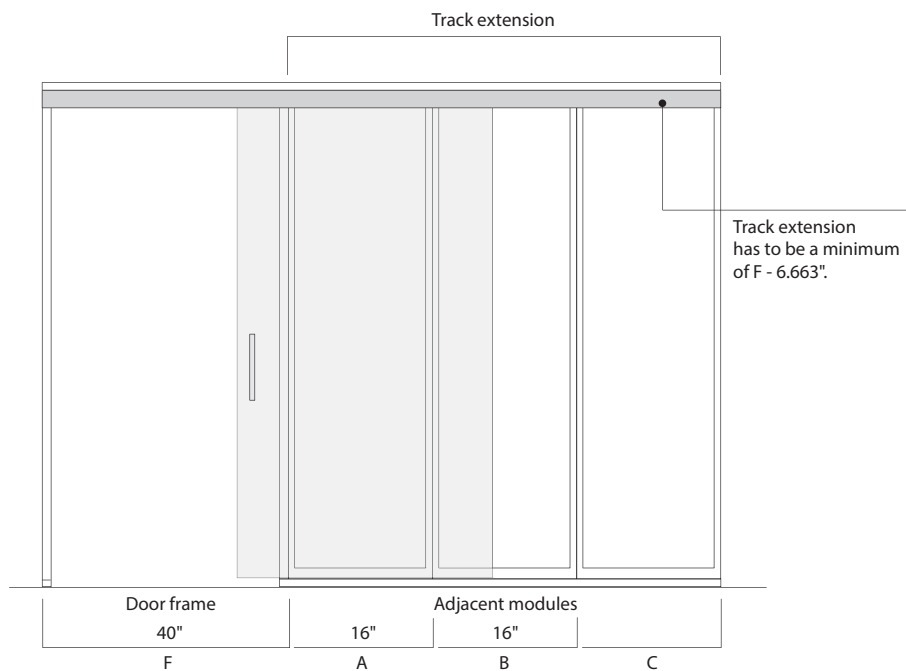


If A is greater than or equal to F minus 12" and less than or equal to 60", then B can be any width using basic track (up to maximum allowable track length minus A minus F). In the example above A equals F minus 12". In this case, the track must extend over B since A is not greater than F minus 6.663".

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

► See *SmartTools*, Page 4

Slider Door and Multiple Adjacent Modules, continued



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

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

► See *SmartTools*, Page 4

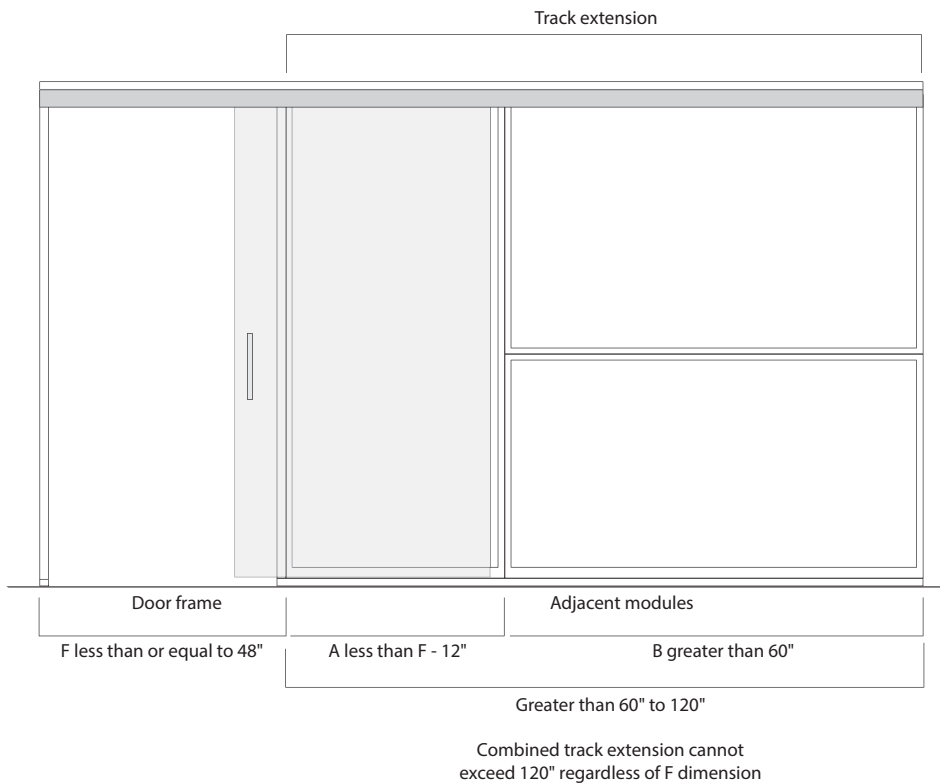
Reinforced Track Examples

Slider Door Configurations – Advanced Planning

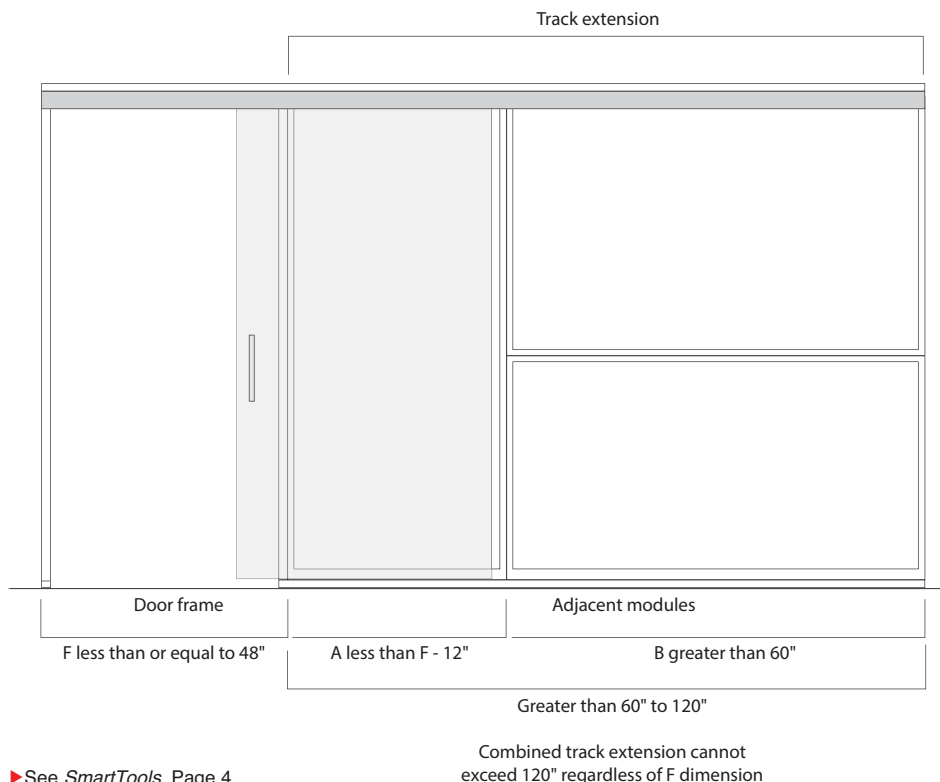
Reinforced Track Examples

Understanding
V.I.A.

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.

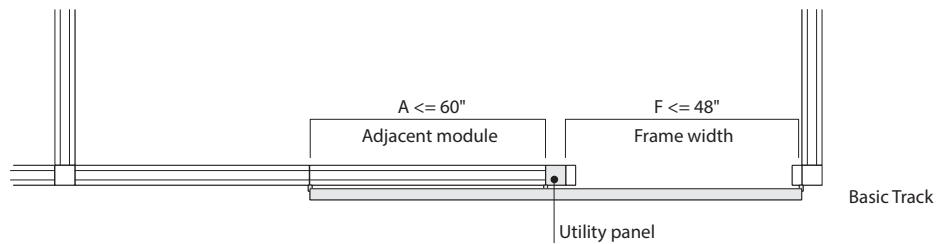
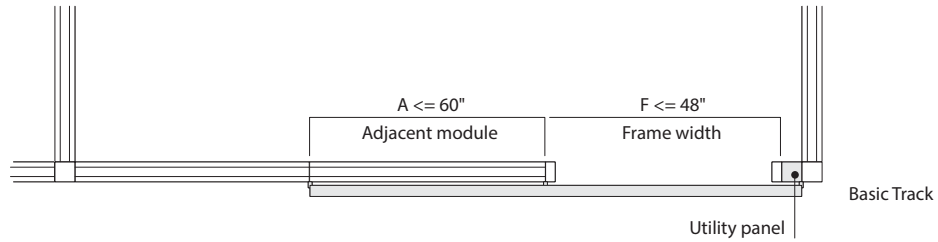
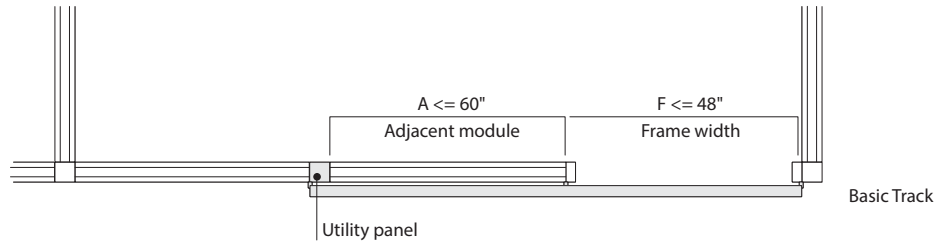
► See *SmartTools*, Page 4

Basic Track, Reinforced Tracks, and Utility Panel

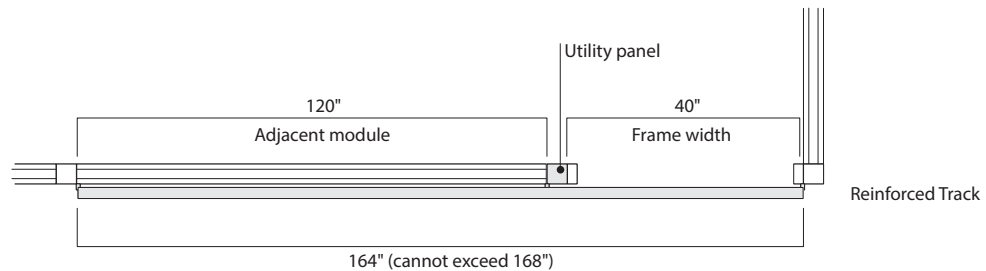
Slider Door Configurations – Advanced Planning

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

Bridging Door Tracks

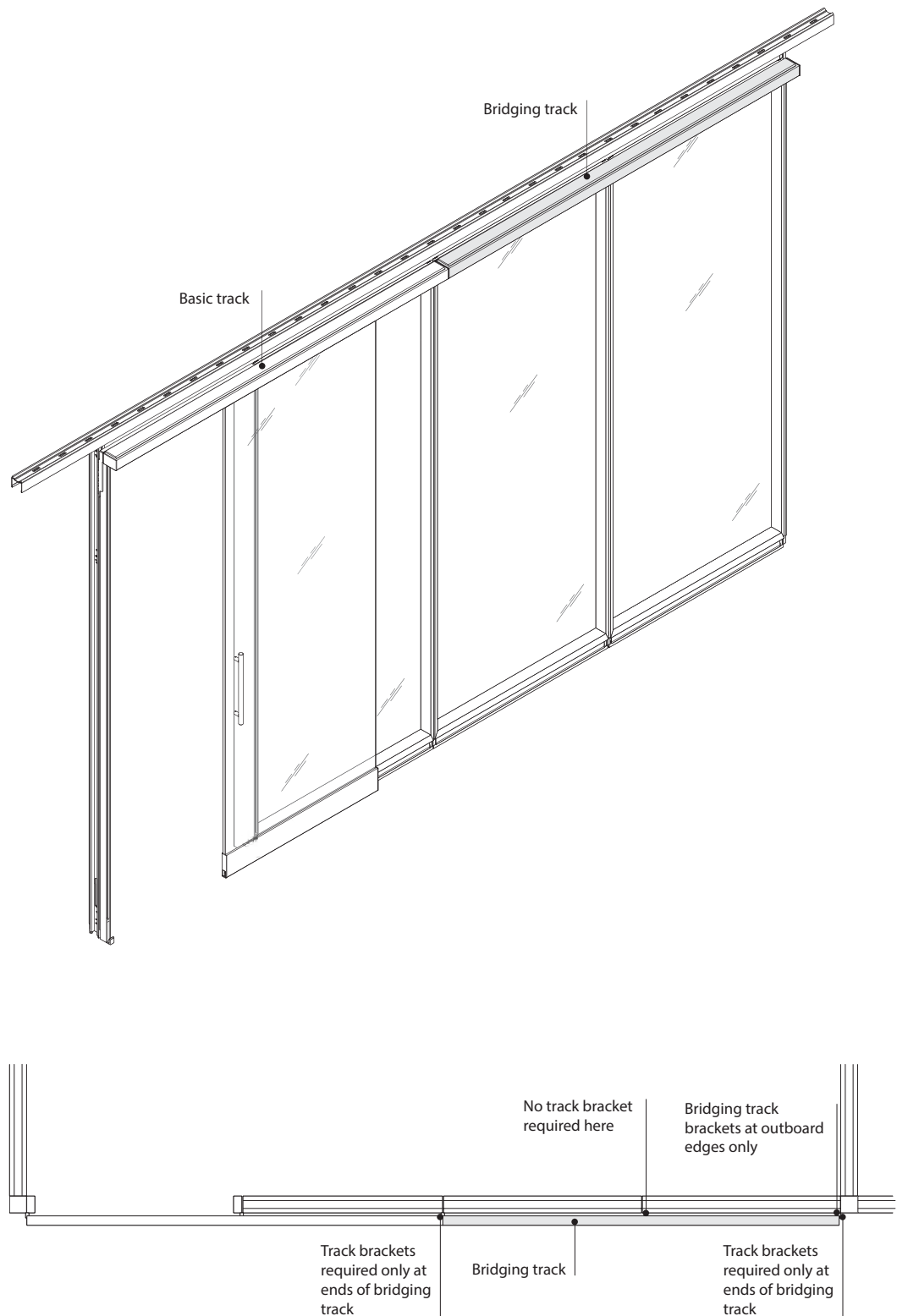
Understanding
V.I.A.

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 trolleys 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 165

Seals are included at the top and bottom of each junction cover and in the bottom of the junction to control sound transmission.

Junction covers (inner and outer) are applied to visually finish the junction assemblies. Surfaces of junction covers are steel or aluminum, and can be painted or anodized.

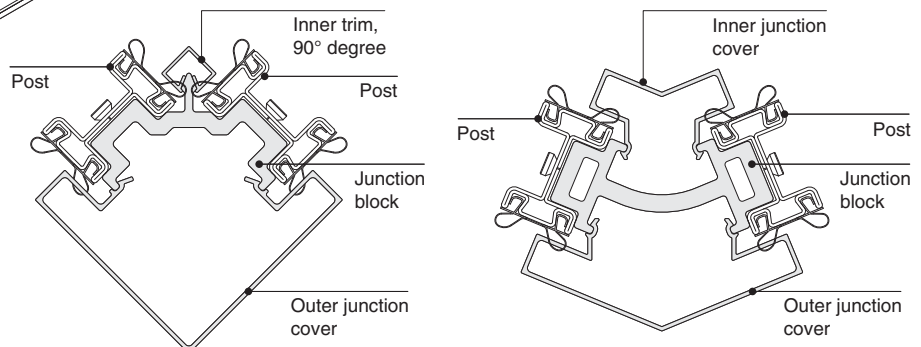
Junction blocks and related hardware can be ordered separately for on-site assembly with posts to create junction assemblies.

Base trim is ordered pre-cut to the matching angle.

Ceiling track is ordered pre-cut to the matching angle.

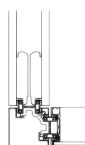
Junctions are made up of two or more posts joined together with junction blocks at specific angles.

Seals

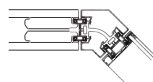


Product Details

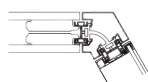
► See *V.I.A. Planning Dimensions*, page 89, for important information regarding dimensional references for all V.I.A. components.



Two-Way 90°



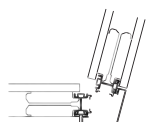
Two-Way 135°



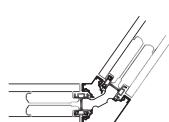
Two-Way 120°



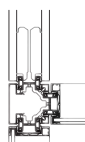
Two-Way 180°



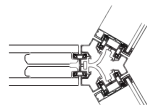
Two-Way variable
91° - 94°



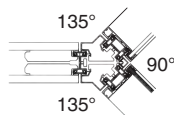
Two-Way variable
95° and greater



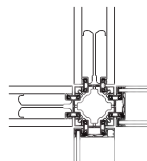
Three-Way 90°



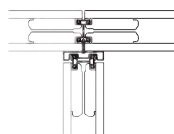
Three-Way 120°



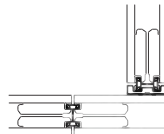
Three-Way 135°



Four-Way



Adapter T on module



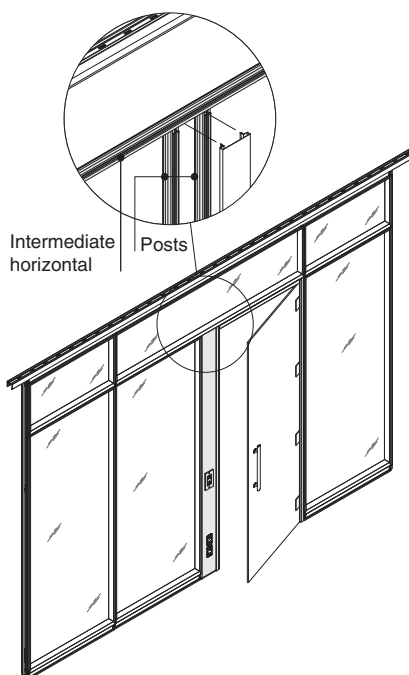
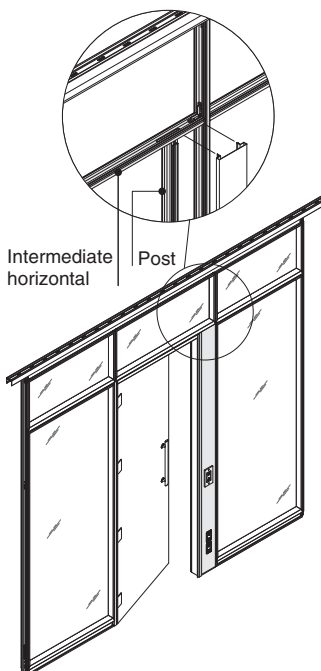
Adapter T off module

Junctions and adapters join walls in various configurations.

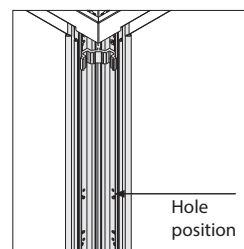
Fixed angle two-way junction assemblies are available in 90°, 120°, 135°, and 180° configurations.

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.

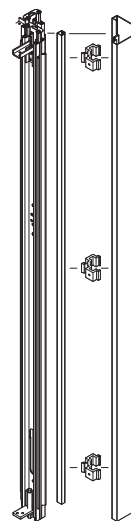


When used in conjunction with utility panels, the top of 180° two way junctions can connect to an intermediate horizontal (either one post or both posts) or the ceiling track.



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°

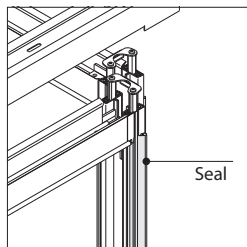


Three-Way 135°



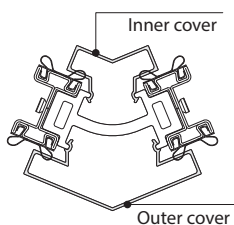
Four-Way

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.

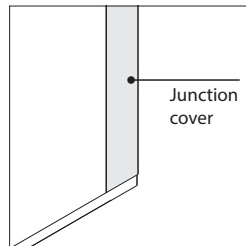
Variable angle two-way junction assemblies are available in all other angles between 90° and 180°, excluding 120° and 135°, which are orderable as fixed angle junctions.

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.



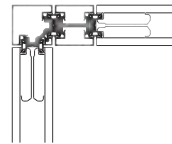
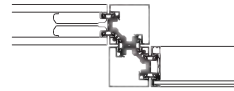
When positioned adjacent to a solid skin or glass frame, the bottom edge of the junction cover will align with the bottom edge of the skin or frame.

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.

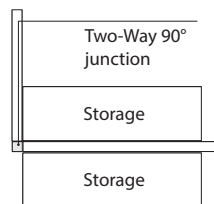
180° junction assemblies can be combined with utility panels to house power receptacles, data, switches, and other devices.

▶ See page 69

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



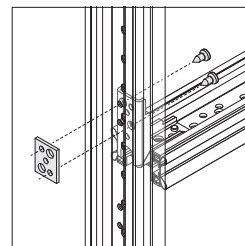
Two junctions can be positioned adjacent to one another.



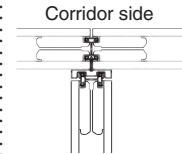
Junctions allow access to slots for hang-on components.

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

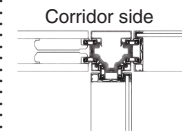
A junction cover seal is installed in each end of the junction cover to minimize sound transfer.



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

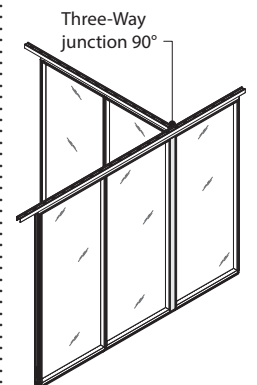
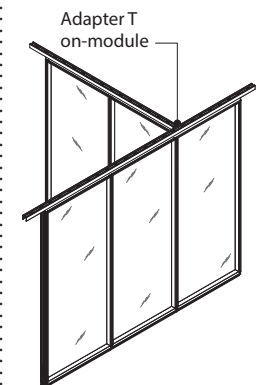


Adapter T on module

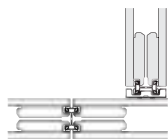


Three-Way junction 90°

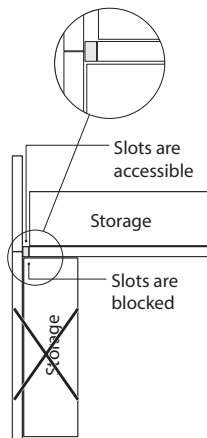
Adapters can be used to create a T or X intersection.



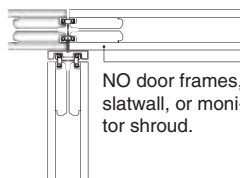
Adapters may be preferable to junctions as they create a smaller profile along the corridor side of a wall.



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.



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 20

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 66

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 89

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 165

Fixed Conventional Wall

Structural Horizontal

Junction Cover

Post

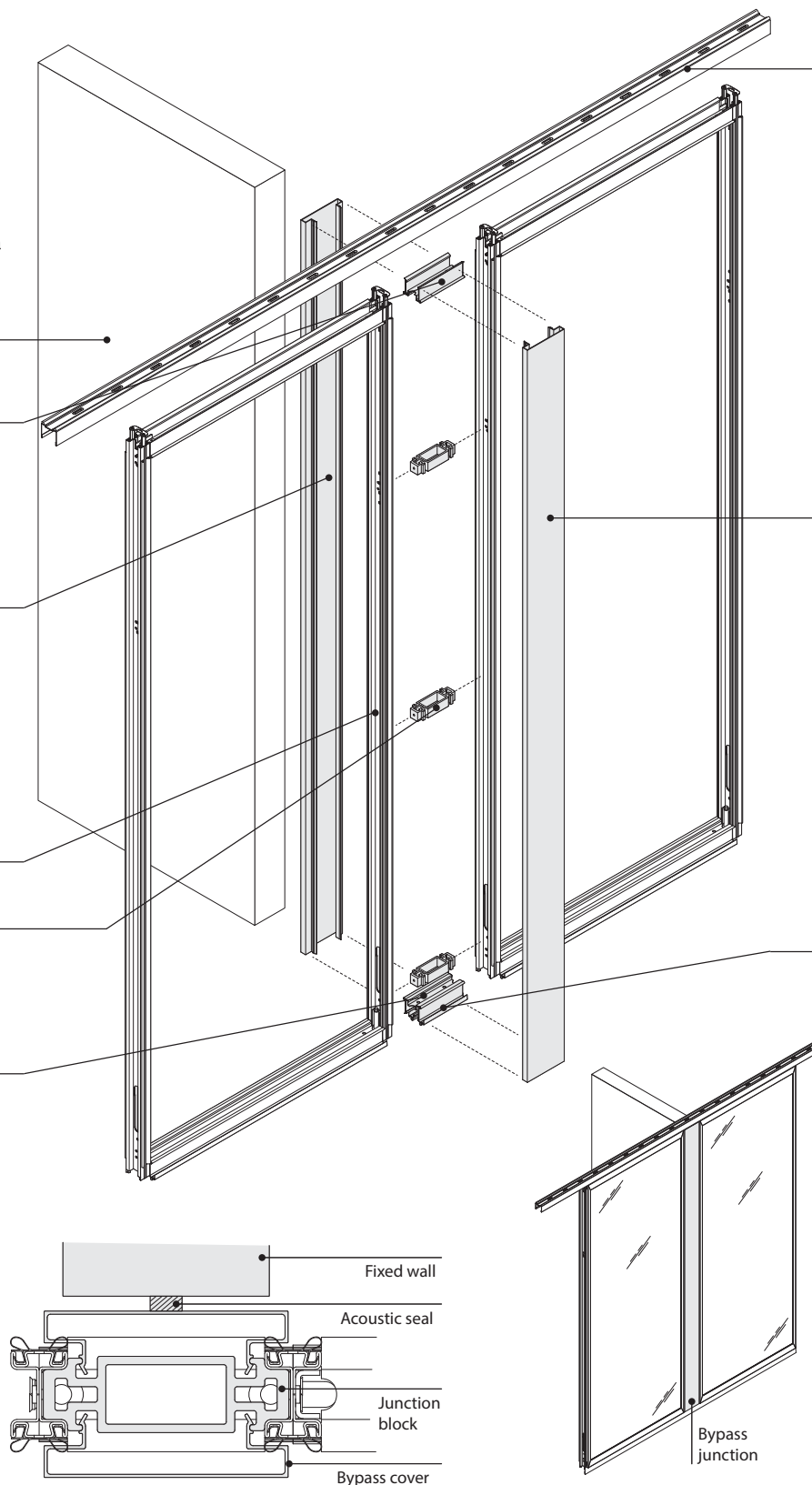
Junction Block

Structural Horizontal

Ceiling Track

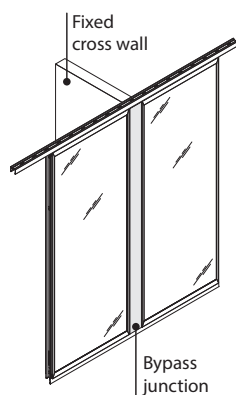
Junction Cover

Floor Track

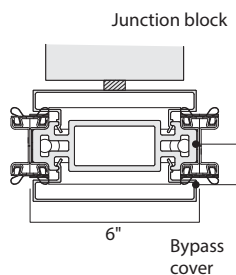


Product Details

► See *V.I.A. Planning Dimensions*, page 89, for important information regarding dimensional references for all V.I.A. components.



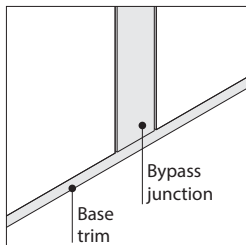
When applying V.I.A. glass fronts with conventional fixed cross walls, it may be desirable to create an interface condition where the V.I.A. wall conceals the cross wall. The bypass assembly is designed so that it can be installed as a complete assembly and create an uninterrupted visual along a corridor.



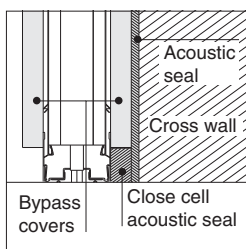
The planning width for a bypass assembly is 6".

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 179

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.

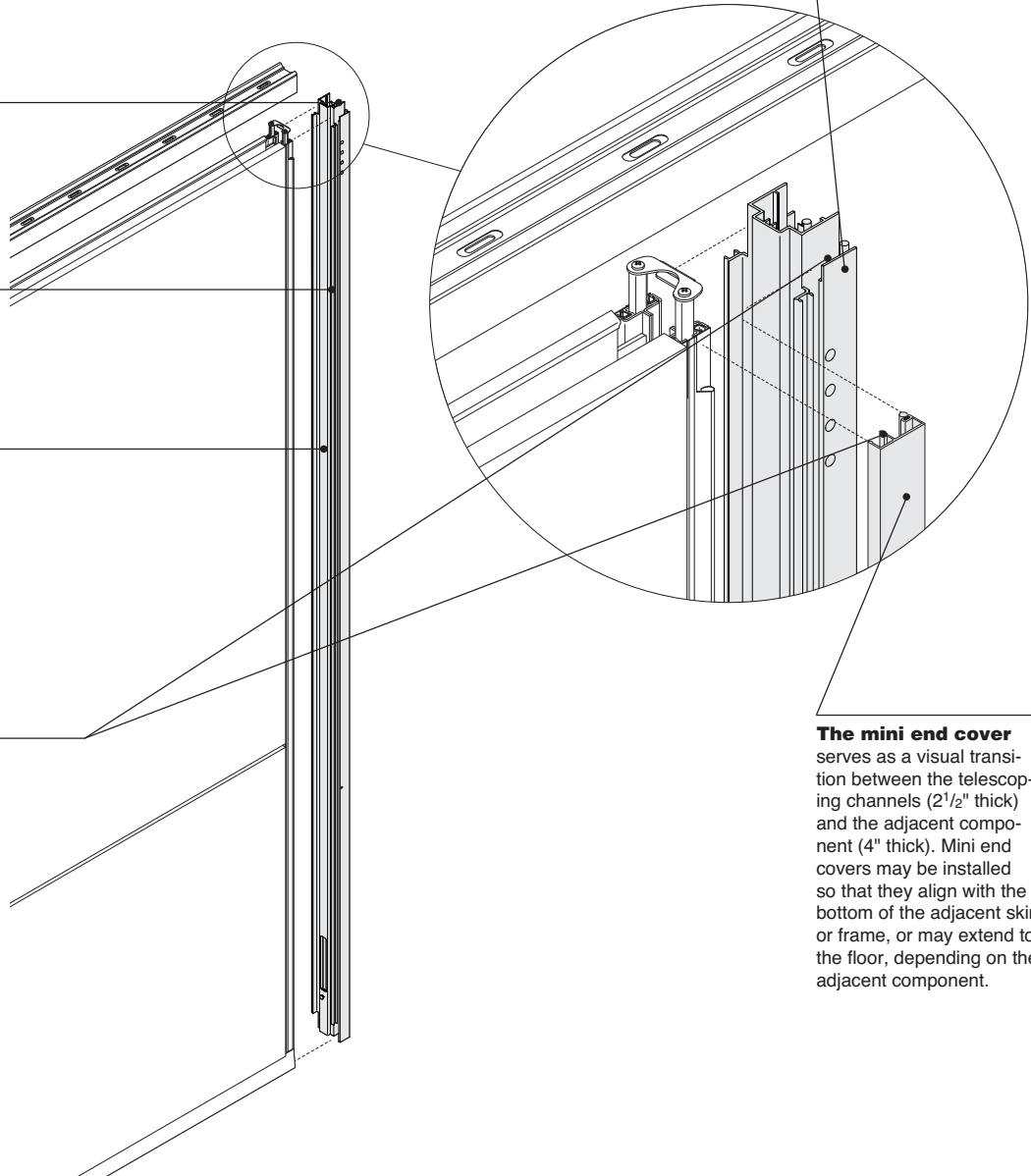
Mini end consists of three components – the inner channel, the outer channel, and two covers.

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.

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

The mini end cover serves as a visual transition between the telescoping channels (2½" 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.

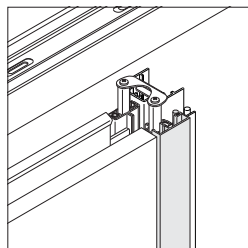


Product Details

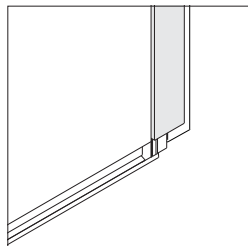
► See *V.I.A. Planning Dimensions*, page 89, for important information regarding dimensional references for all V.I.A. components.

Height of the mini end

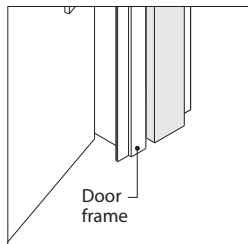
is specified to the same height as the adjacent wall. Mini ends are available in ceiling heights of 80"-144". The outer channel spans to the floor and is cut on site by the installer.



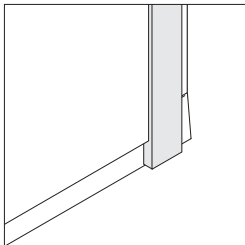
The top of the mini end cover aligns with the top of the adjacent component.



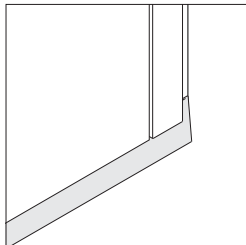
The bottom of the mini end cover can align with the bottom of the adjacent skin or frame, or can extend to the floor when adjacent to a door frame.



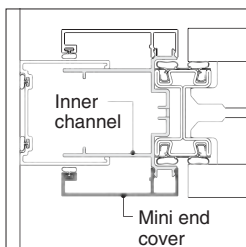
When positioned next to a door frame, the mini end cover should be specified with the to the floor option and will be field-cut by the installer to final length.



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

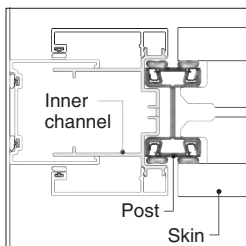


When positioned next to a solid skin or glass frame, the base trim extends under the mini end cover.



Mini end cover snaps onto the inner channel.

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

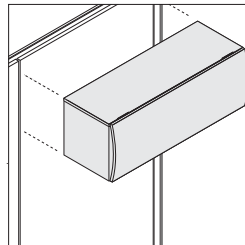


Mini end inner channel shares a post with the adjacent skins, frames, or door frames. The adjacent components can be a combination of different skin types and glass frames.

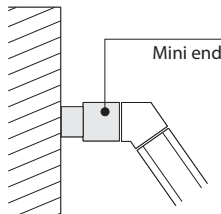
A screw connection to the building is not typically required. Mini end fits tightly against the building wall, and the contact points are sealed with a continuous polypropylene seal.

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

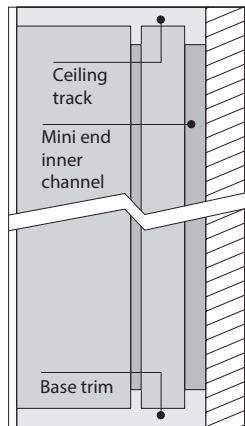
A screw connection is recommended for ceiling heights that are greater than 10'0".



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).

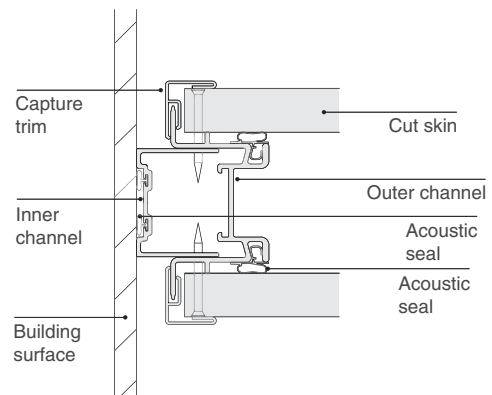
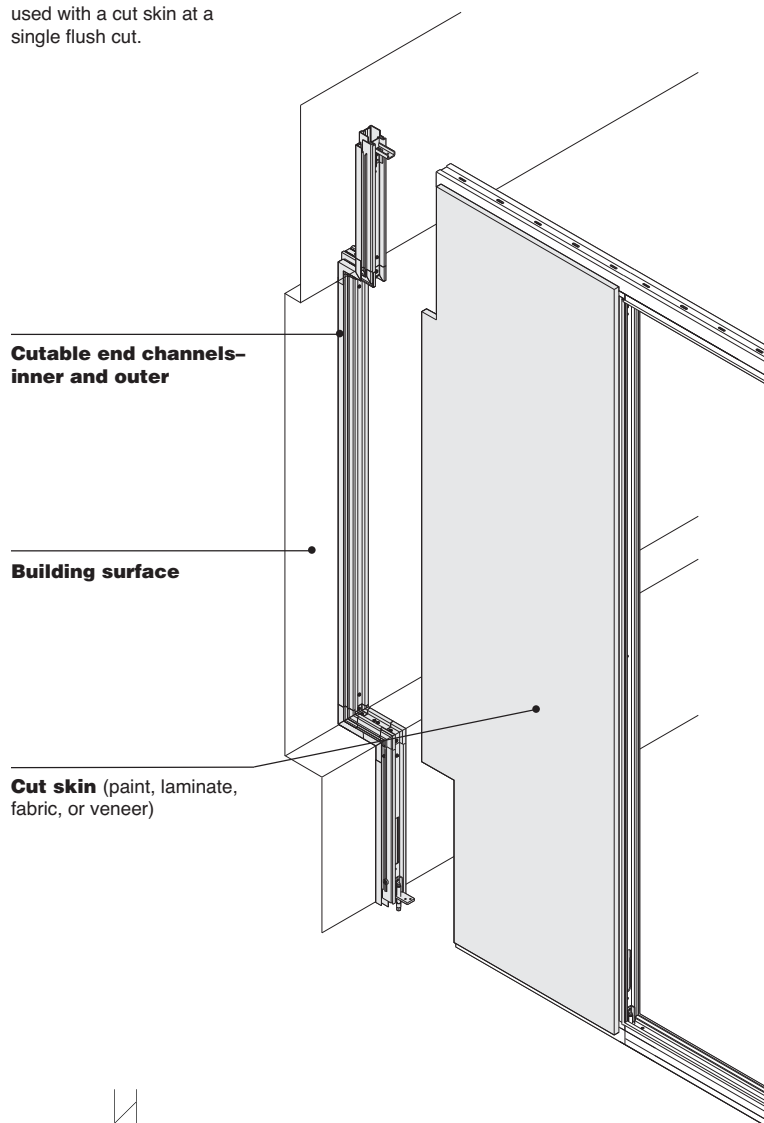
The outer channel is the same finish on all sides. The inner channel is not visible.

Cutable Ends

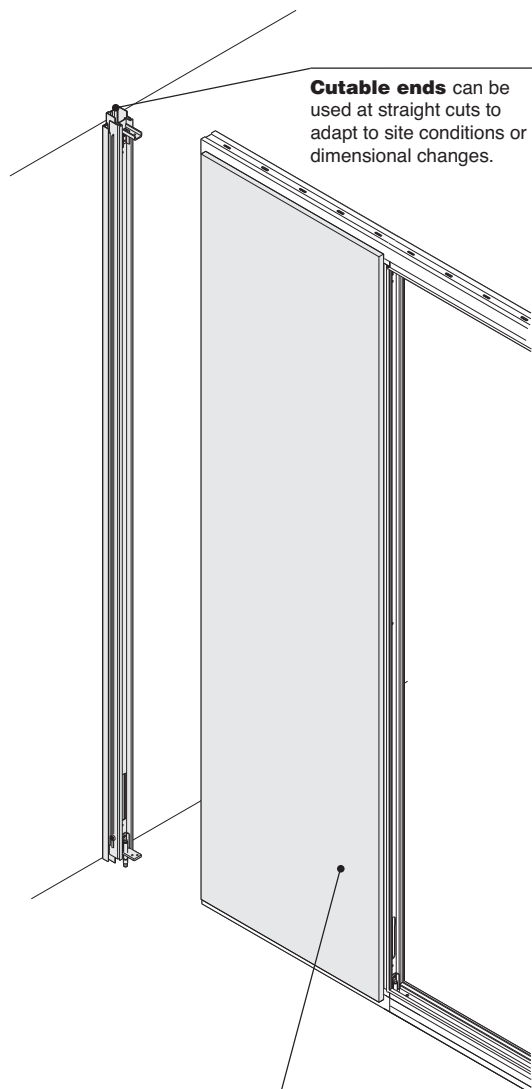
Cutable ends can be field cut around irregular building surfaces.

► Specifying, page 183

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.



Cut skin (paint, laminate, fabric, or veneer)

Product Details

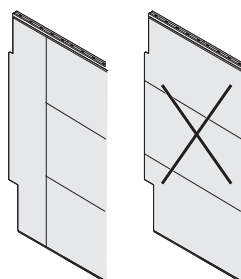
► See *V.I.A. Planning Dimensions*, page 89, for important information regarding dimensional references for all V.I.A. components.

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.

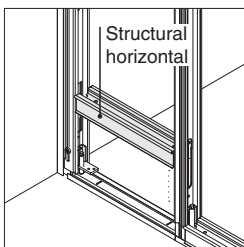


Cutable end assemblies do not accommodate intermediate horizontals or segmentation.

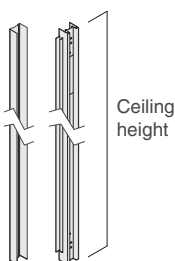
Cutable ends are not used with slatwall, lighting, ceramic skins, or monitor shrouds.

Electrical devices cannot be positioned in a cut skin.

Infeeds and cables can be routed behind a cut skin.

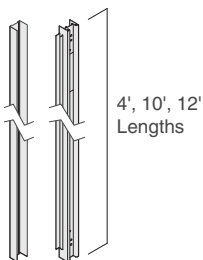


Structural horizontals that are positioned adjacent to cutable ends will be modified to ensure that cable cut-outs do not interfere with the bracket connection. These horizontals will receive one cut-out only when 22.61" long or greater. Structural horizontals that are less than 22.61" will not have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

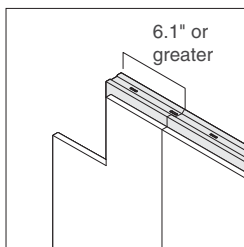


When intended for use with a single vertical cut, the inner and outer channel are ordered in lengths that correspond to ceiling height.

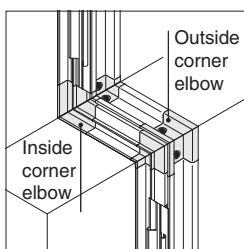
When intended for use with a single vertical cut, the inner and outer channel are combined into a single assembly.



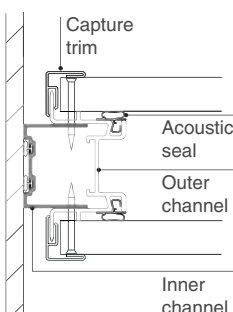
When intended for use with multiple cuts around sills and soffits, channel lengths can be specified in different lengths to minimize scrap.



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



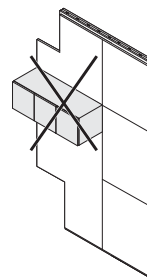
Cutable end assemblies can be combined with corner angles and elbows (inside and outside corner) to allow the installer to trim around unique end configurations.



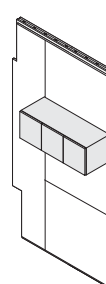
Inner channel can be specified in a different color than capture trim.

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 187

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.

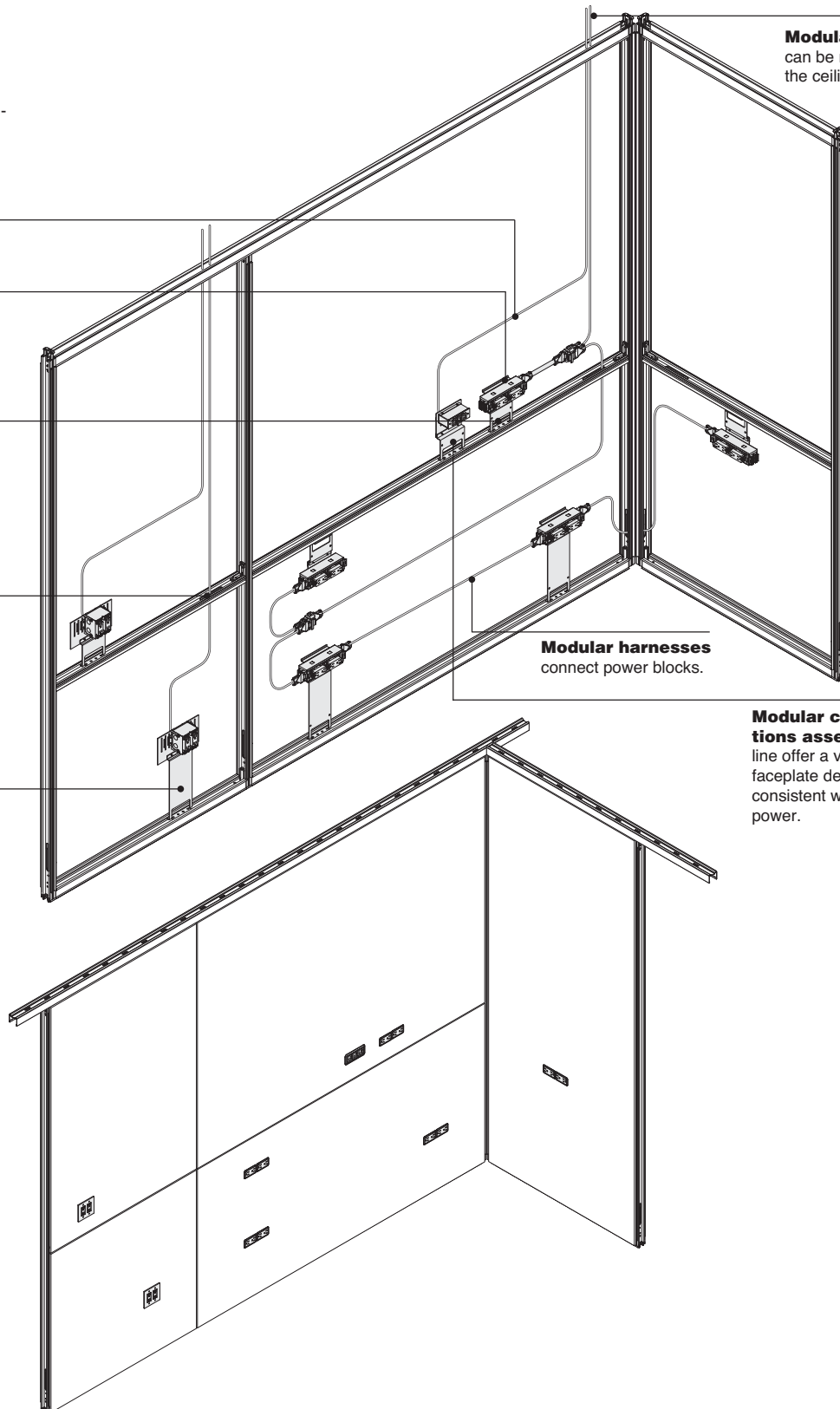
Hardwire (power or communications)

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.

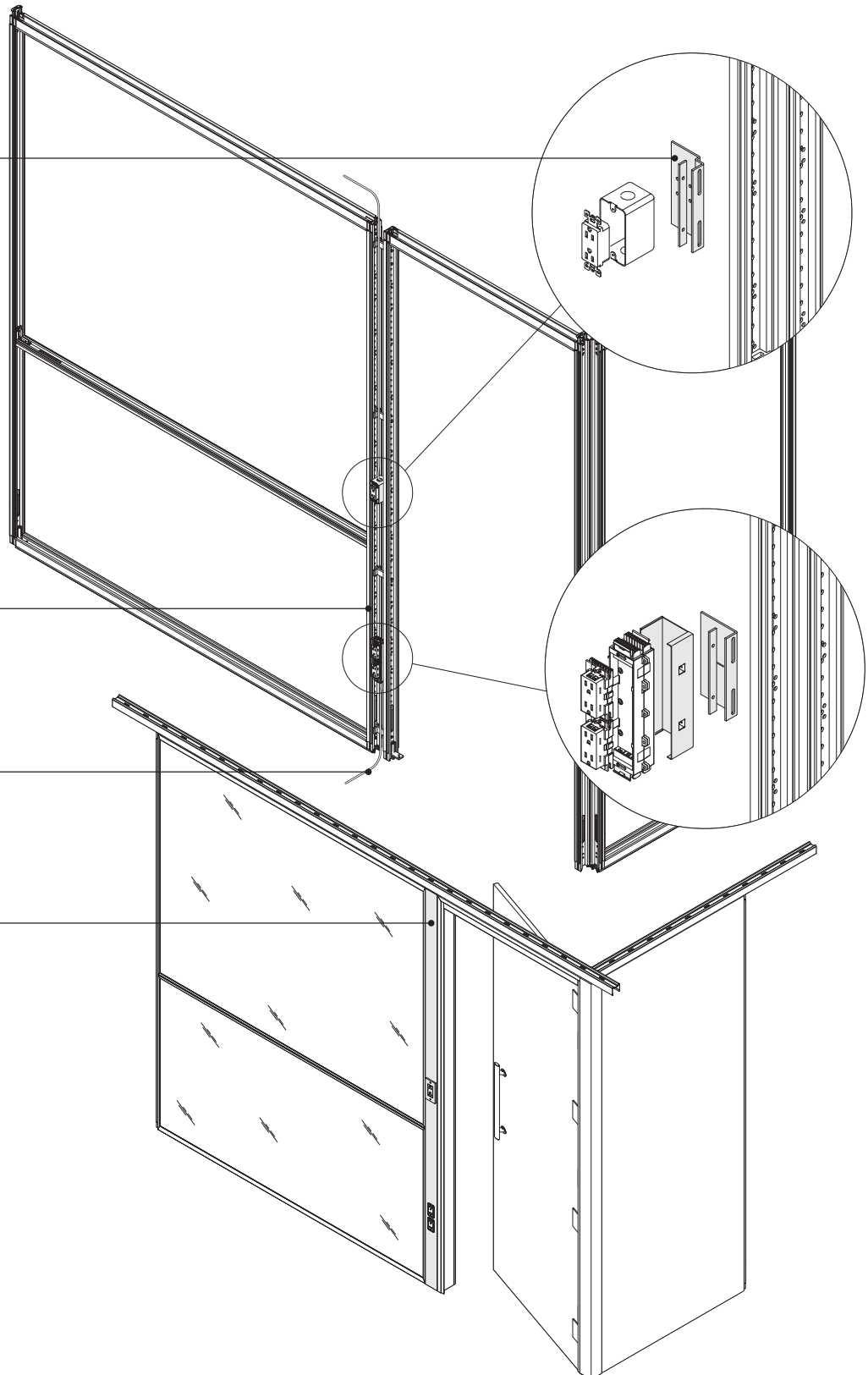


Electrical mounting brackets support hard-wired or modular power.

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 89, 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 69

Modular power or hard-wired 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.

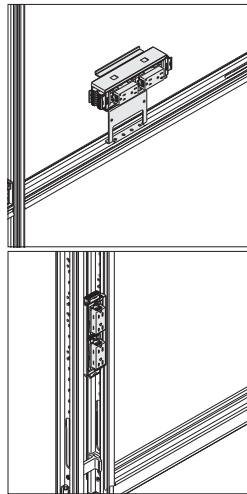
► See *SmartTools*, page 4

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 69

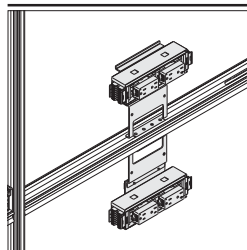


Electrical devices are held in place with mounting brackets, which are fastened to structural frame components.

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.

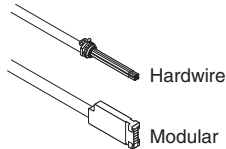
Modular Power in Skins



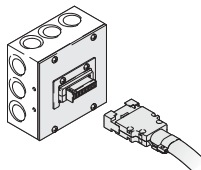
Modular power blocks are held in place with mounting brackets, which are fastened to structural frame components.

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.

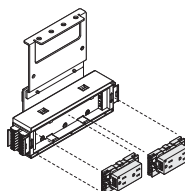


End of the power infeed can be hardwire or modular. Hardwire allows the electrician to make a conventional connection to the building's power inside a junction box. Modular allows the infeed to connect to any corresponding modular infeed cover. This is the same modular connector used by Answer, Montage,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

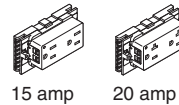


Modular infeed cover is included with modular multipurpose infeed to hardwire to a junction box. It allows modular connector on the infeed to snap easily into position. This allows infeeds to be quickly disconnected, moved, and reconnected later.

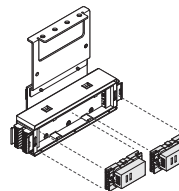
Power blocks can accommodate receptacles on one side of the wall.



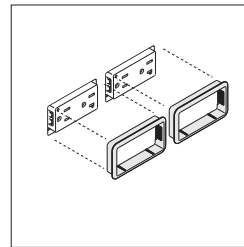
Receptacles are ordered separately and field installed in power blocks. Separate duplex receptacles are available to engage each of the different circuits that are possible in the electrical system. Receptacles are coded to indicate which circuit and type of ground they engage.



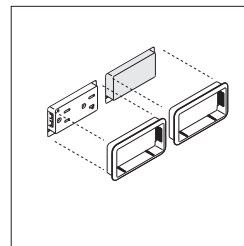
Receptacles can be specified as 15 amp or 20 amp rated.



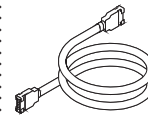
USB receptacles are available in three wiring schematics with multiple line options. USB receptacles offer easy access to two changing ports. Each port provides one amperage of output. USB receptacles conveniently charge a wide range of electronic devices. Some devices may not be compatible.



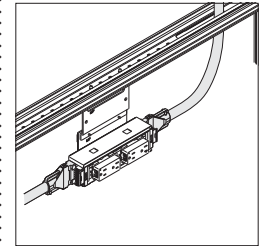
Receptacle trim is used with each receptacle to cover the edge of the cut-out and create a precise transition between the cut-out and the receptacle.



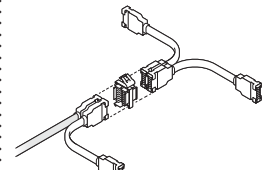
When a single duplex receptacle is needed, use a blank cut-out cover over the unused cut-out.



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

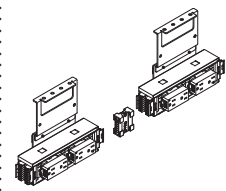


Each power block can receive a single harness at either end.



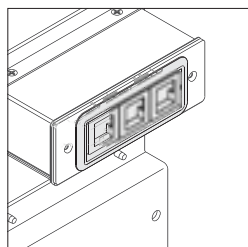
Branching harness-to-harness connectors link harnesses. This allows multiple harnesses to connect at a single point to allow power networks to branch.

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.

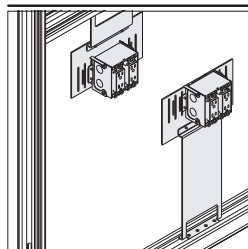
Power harnesses can be routed behind solid skins or within junctions and mini ends.



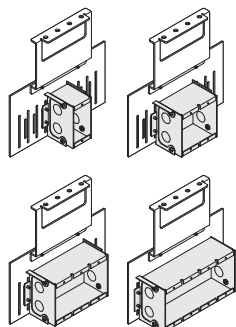
A **modular communication faceplate** can be used to create voice and data terminations using a design that is consistent with modular power receptacles.

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.



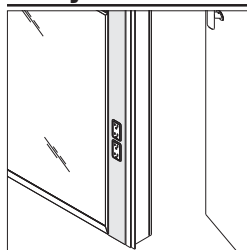
Mounting brackets can accommodate single gang, two gang, three gang, or four gang junction boxes.

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.

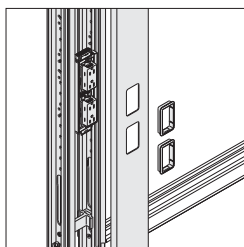
Junction boxes (and associated devices) and cover plates are purchased locally and are not part of the V.I.A. statement of line.

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

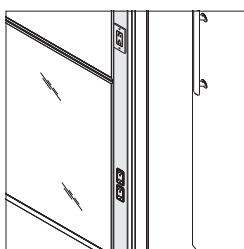
Utility Panel



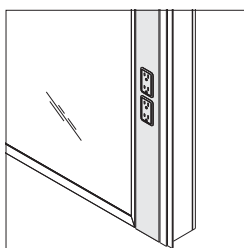
Utility panels are used to house electrical devices when solid skins are not available, or skin cut-outs are not desired.



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.

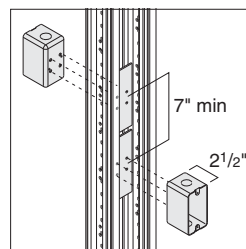
Utility panels can accommodate hardwired single gang 2" x 4" electrical boxes – either 2 1/2" deep or 1 7/8" deep (shallow box).



Hardwire box

Modular power block

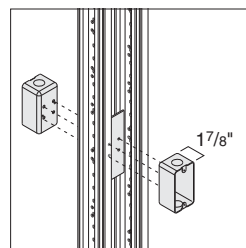
Utility panel mounting brackets are designed for use with hardwired junction boxes as manufactured by Appleton. 2 1/2" deep: 4SSLD-1/2" 1 7/8" deep: 4CS1 1/2"



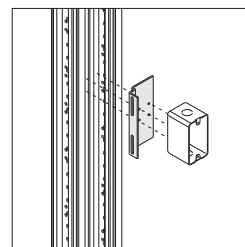
When hardwired devices using a 2 1/2" deep box are cut into both sides of the utility panel, they must be offset by a minimum of 7" (center to center).

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.

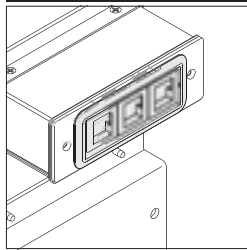
When a modular or hardwired 2 1/2" deep box is specified in a utility panel, one cover is cut-out for the box and the opposing cover is notched to allow the necessary clearance for the mounting bracket.

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

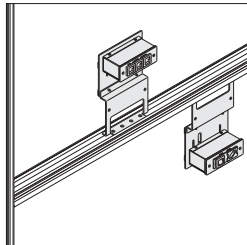
Junction boxes (and associated devices) and cover plates are purchased locally and are not part of the V.I.A. statement of line.

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

Communications

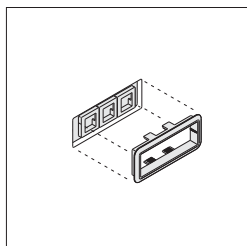


A **modular communication faceplate** can be used to create voice and data terminations using a design that is consistent with modular power receptacles.

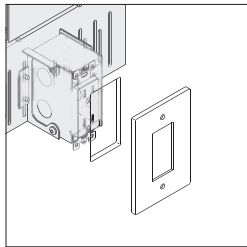


The **modular communication faceplate** is held in place with mounting brackets, which are fastened to structural frame components.

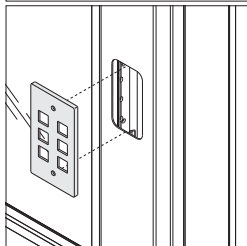
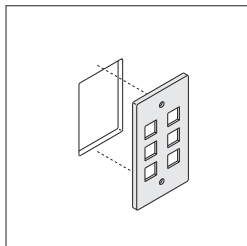
The **modular communication faceplate** can be specified for either three RJ45 connections or a combination of one RJ45 and a VGA connection.



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.



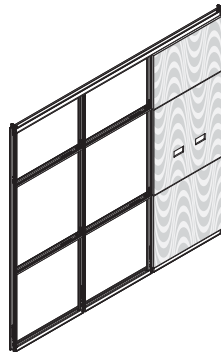
Conventional communication faceplates can be used with an electrical box, which is held in place with electrical mounting brackets.



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

Cut-Outs

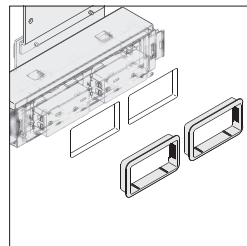
Cut-out locations are parametric, and are positioned as part of the design/planning process.



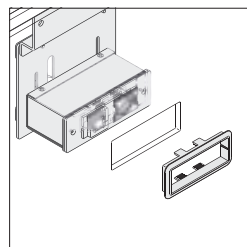
When specifying veneer skin sets, only one skin within the set can have electrical cut-outs, with a maximum of two cut-outs within that skin.

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

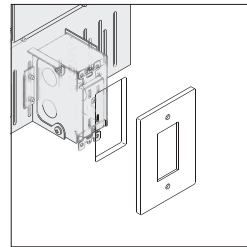
The **maximum number of cut-outs per skin** will vary depending on the size of the skin. The largest skin will allow for nine cut-outs.



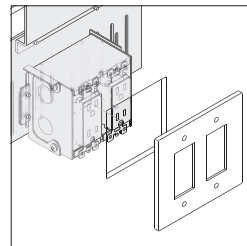
Modular Double (two cut-outs for two receptacles)



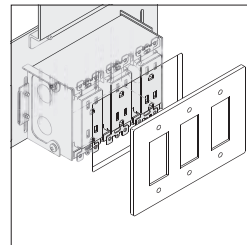
Modular Communications



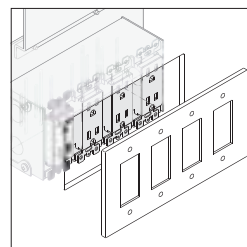
Hardwire Single



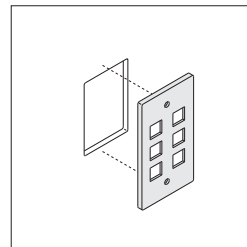
Hardwire Double



Hardwire Triple



Hardwire Fourplex



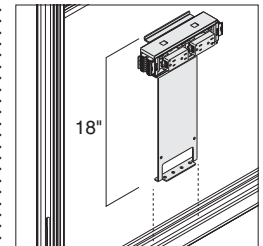
Communications – No Junction Box

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

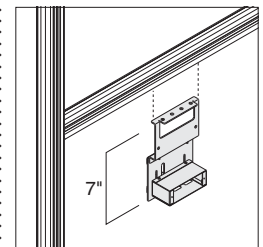
Brackets

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

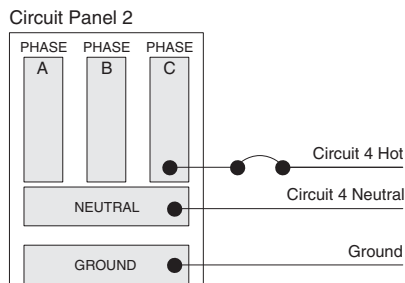
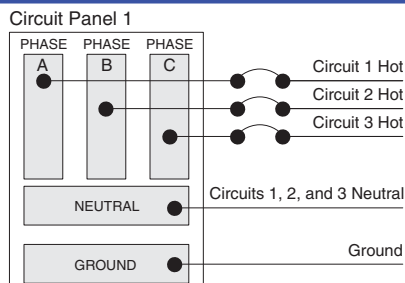
Shared neutral conductors = 10 gauge

Separate neutral conductors = 12 gauge

Hot conductors = 12 gauge

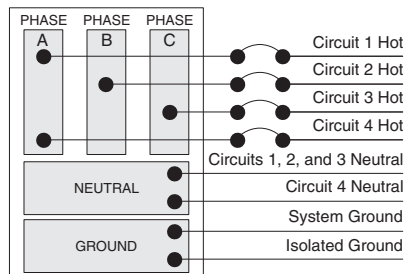
Grounding conductors = 12 gauge

Four-Circuit, 3+1



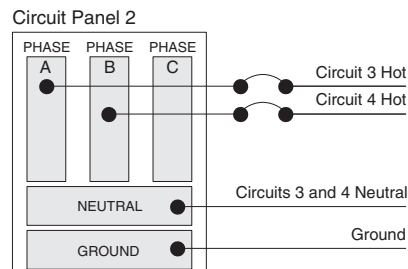
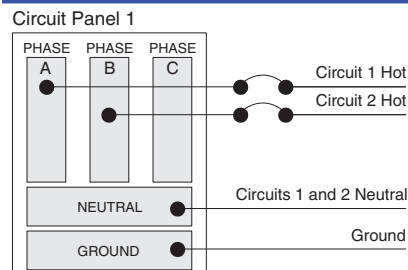
In the four-circuit 3+1 schematic, circuits 1, 2, and 3 are distributed from the first circuit panel and are supported with one shared neutral and one shared ground. Circuit 4 is distributed from a second circuit panel and is supported with a separate neutral and ground.

Single 3-Phase
Circuit Panel



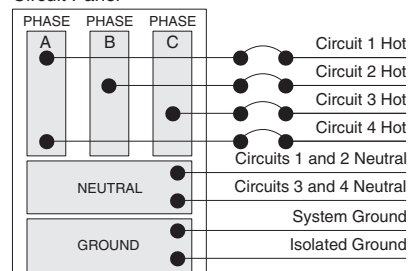
On a single 3-phase circuit panel, all four circuits are distributed as shown.

Four-Circuit, 2+2



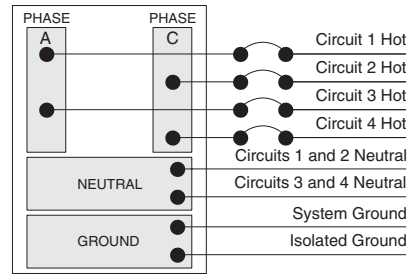
In the four-circuit 2+2 schematic, circuits 1 and 2 are distributed from two different phases from the first circuit panel and are supported with one shared neutral and one shared ground. Circuits 3 and 4 are distributed from a second circuit panel and are supported by their own shared neutral and ground.

Single 3-Phase
Circuit Panel



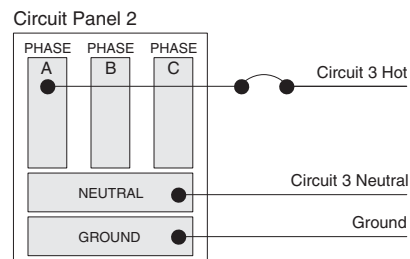
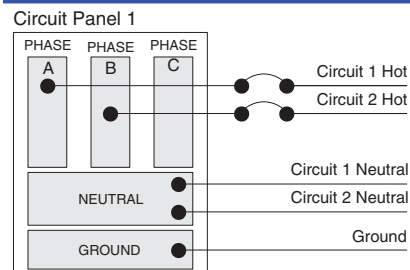
On a single 3-phase circuit panel, all four circuits are distributed as shown.

Split-Phase
Circuit Panel



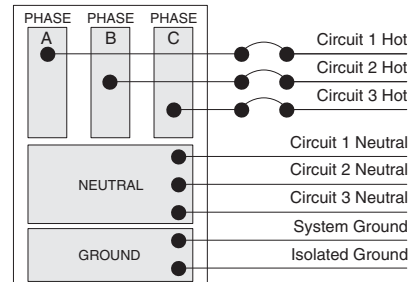
On a split-phase circuit panel, all four circuits are distributed as shown.

Three-Circuit, Separate Neutrals



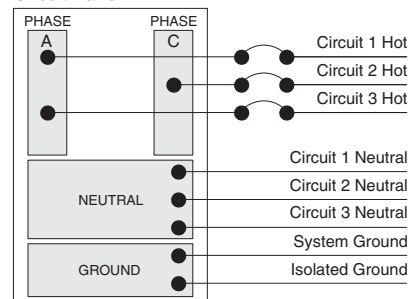
In the three-circuit, separate neutral schematic, circuits 1 and 2 are distributed from two different phases from the first circuit panel. Each circuit is supported with its own neutral and a common ground. Circuit 3 is distributed from the second circuit panel and is supported by its own neutral and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

How to Calculate
Power Needs

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

*Note: 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, page 197

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.

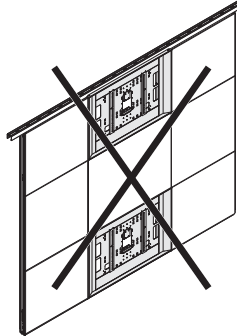
Optional camera shelf can be mounted above or below the monitor.

Product Details

► See *V.I.A. Planning Dimensions*, page 89, for important information regarding dimensional references for all V.I.A. components.

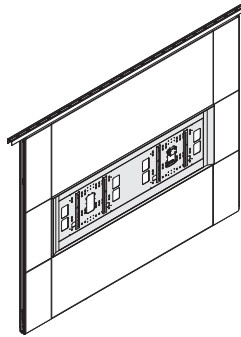
Monitor Shrouds

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

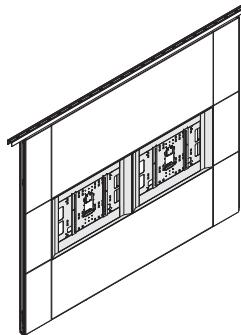


The monitor shroud cannot be positioned at the top or bottom position of the wall, for example, adjacent to the top or bottom structural horizontal.

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

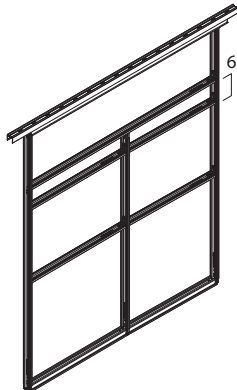


A double monitor shroud accommodates two monitors in a single shroud.

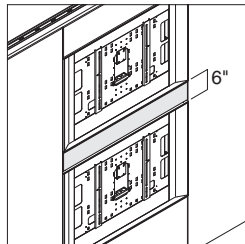


Single shrouds can be placed directly adjacent to one another.

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



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.

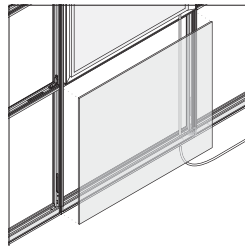
Monitor Shroud Planning Dimensions		Single/Double	Monitor Diagonal Size Class	Monitor Width Minimum	Monitor Width Maximum	Monitor Height Minimum	Monitor Height Maximum
Width	Height						
34.5"	21.651"	Single	32"	25.26"	29.66"	12.90"	19.15"
42"	27.500"	Single	40-42"	32.76"	36.51"	18.79"	25"
48"	30.500"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

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

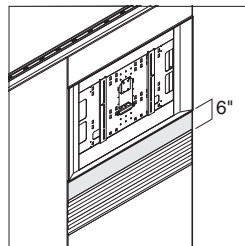
Note: For a Microsoft Surface Hub 55" wide, specify the 63.5" wide by 39.178" high shroud.

Monitor mounting brackets are included with the monitor shroud. The mounting brackets are compatible with the VESA (Video Electronics Standards Association) 200 mm wide mounting interface standards, and will accommodate monitor hole patterns that follow this standard.

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.

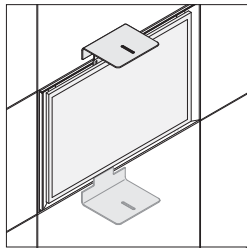
The monitor shroud is designed to support a maximum weight of 200 pounds.

The optimal mounting height for a monitor will depend on:

- the size of the monitor
- the proper viewing distance from the user (1 1/2" - 3 times the monitor size)
- table height where users are seated
- if there is an "outfield"

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

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



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

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

Display monitors can be surface mounted to steel skins.

► See *Hang-On Components*, page 80, for more information.

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

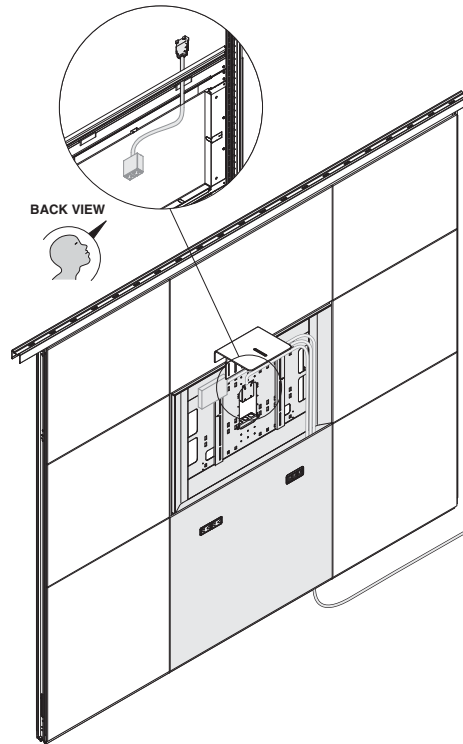
The camera shelf is not required and should not be used with the Microsoft Surface Hub.

Monitor Shrouds for the Microsoft Surface Hub

The Microsoft Surface Hub 55" is compatible with V.I.A. when used with a single 65" (63.5"W x 39.178"H) monitor shroud.

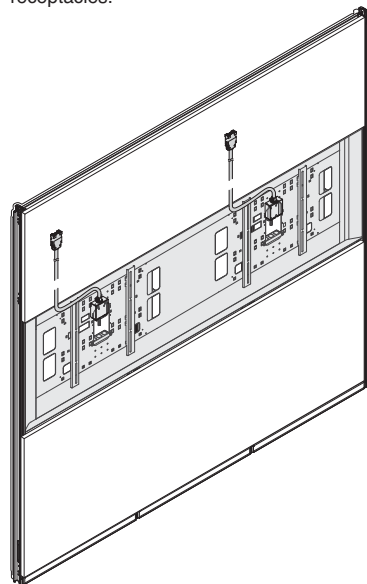
The recommended center height for the Microsoft Surface Hub 55" wide is 55" AFF (Above finishes Floor), or 74.589" planning height to the top of the 65" monitor shroud.

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.

Surface Materials

Monitor shroud

- 8043 Clear Anodized Aluminum
- Paint

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

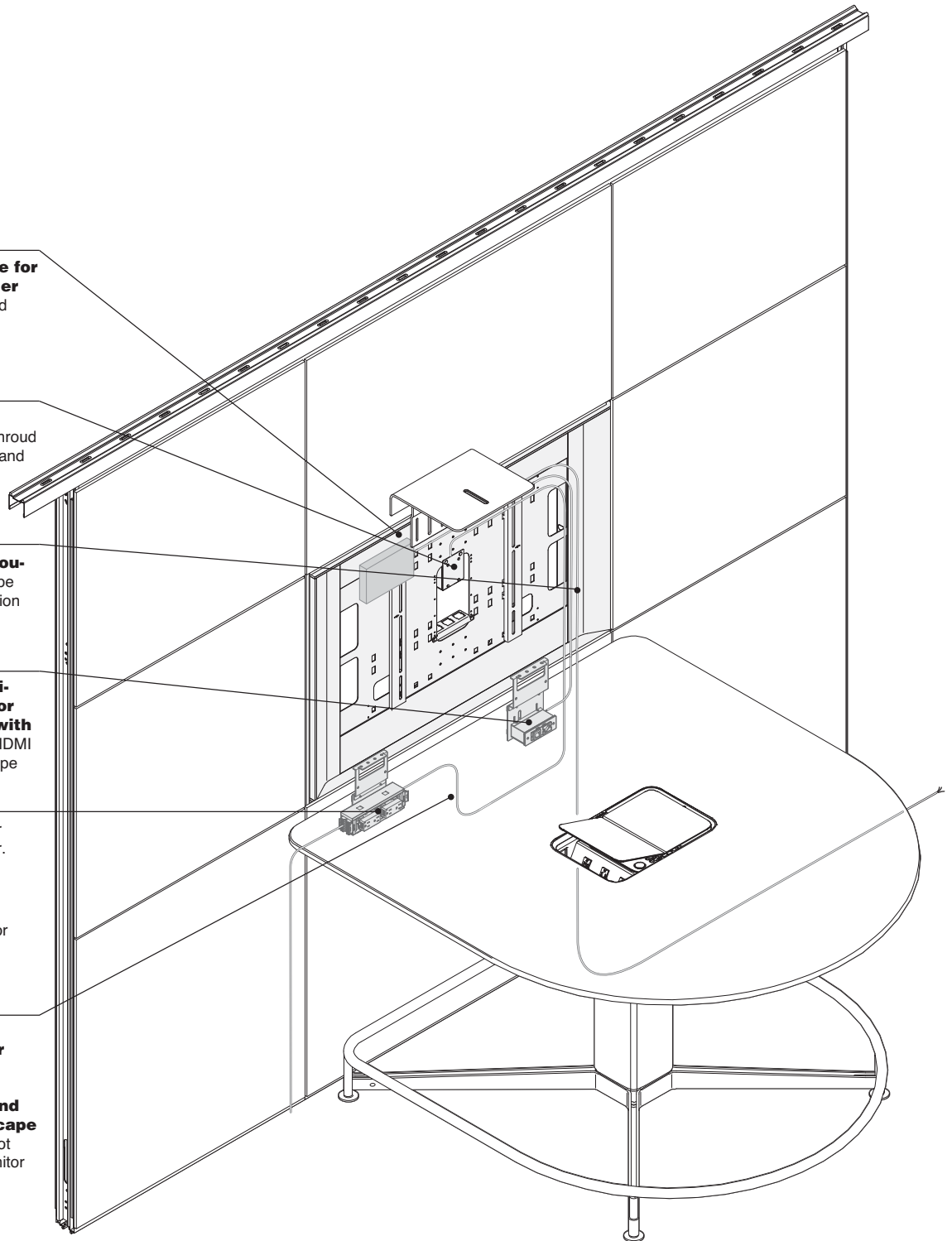
Modular communication faceplate or NEMA faceplate with hardwire box for HDMI cable from media:scape scaler

Modular power for media:scape switcher.

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

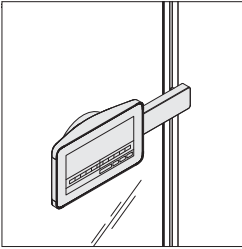
Power assembly infeed for monitor shroud

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.

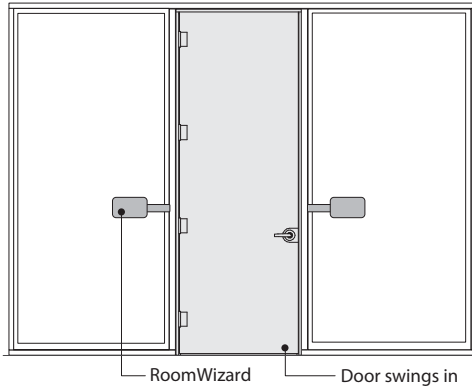
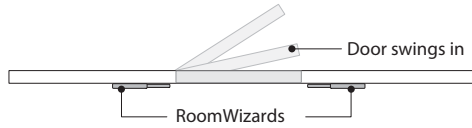
PoE cable can also be routed through a utility panel.

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

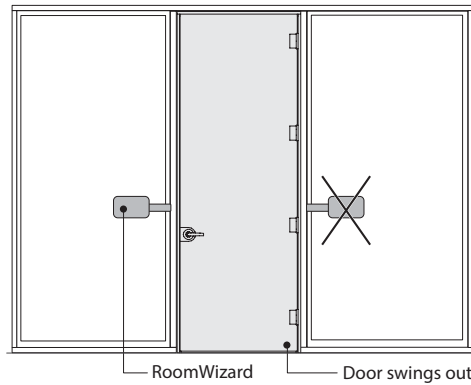
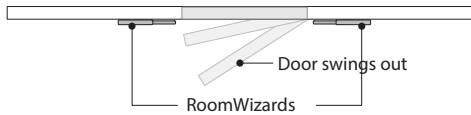
Refer to the following drawings to ensure that brackets are positioned properly when mounting adjacent to a door frame.

► See *Meeting Spaces Specification Guide* for more information related to RoomWizard II

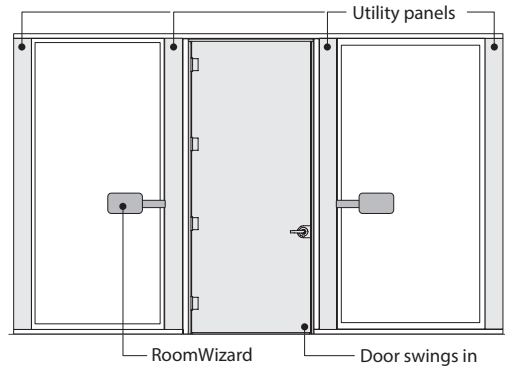
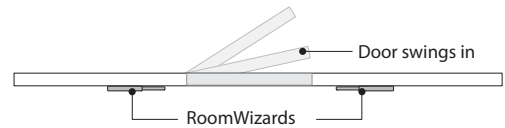
Utility panels can be positioned as shown to simplify the cable routing process and to provide adequate spacing between the slider door jamb and the mounting bracket.



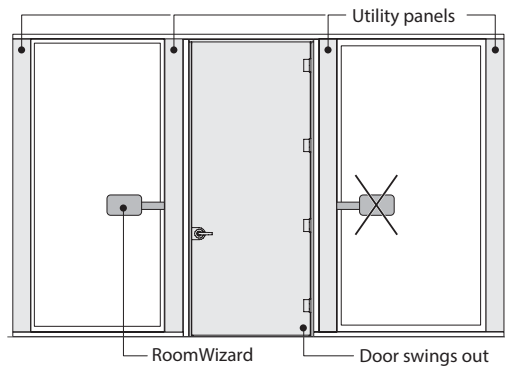
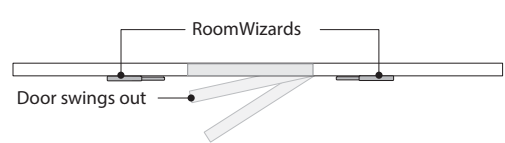
Reversible door Swings in



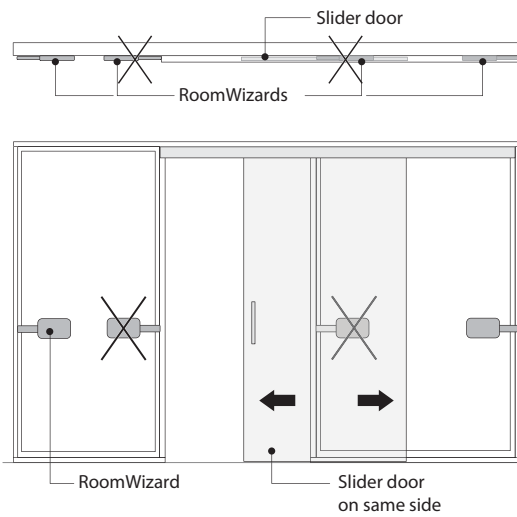
Reversible door Swings out



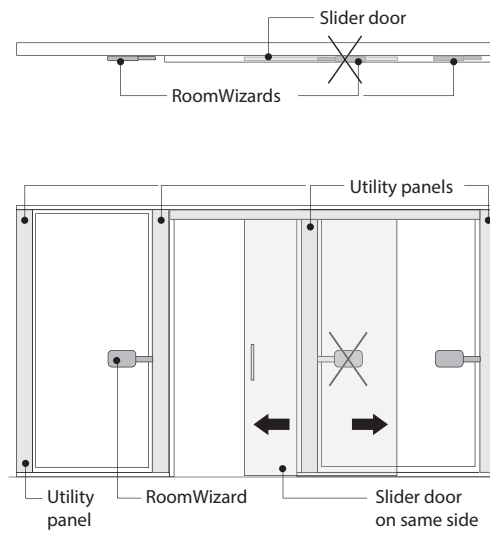
Reversible door with utility panel Swings in



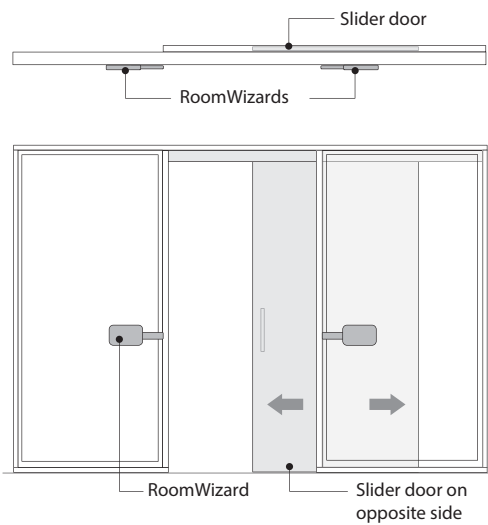
Reversible door with utility panel Swings out



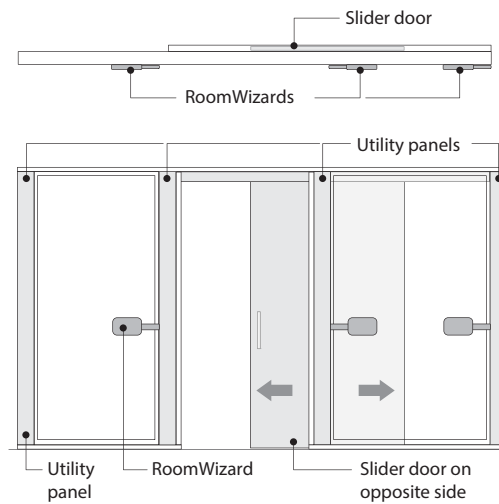
**Slider door
on same side as RoomWizard II**



**Slider door with utility panel
Door on same side as RoomWizard II**



**Slider door
on opposite side as RoomWizard II**



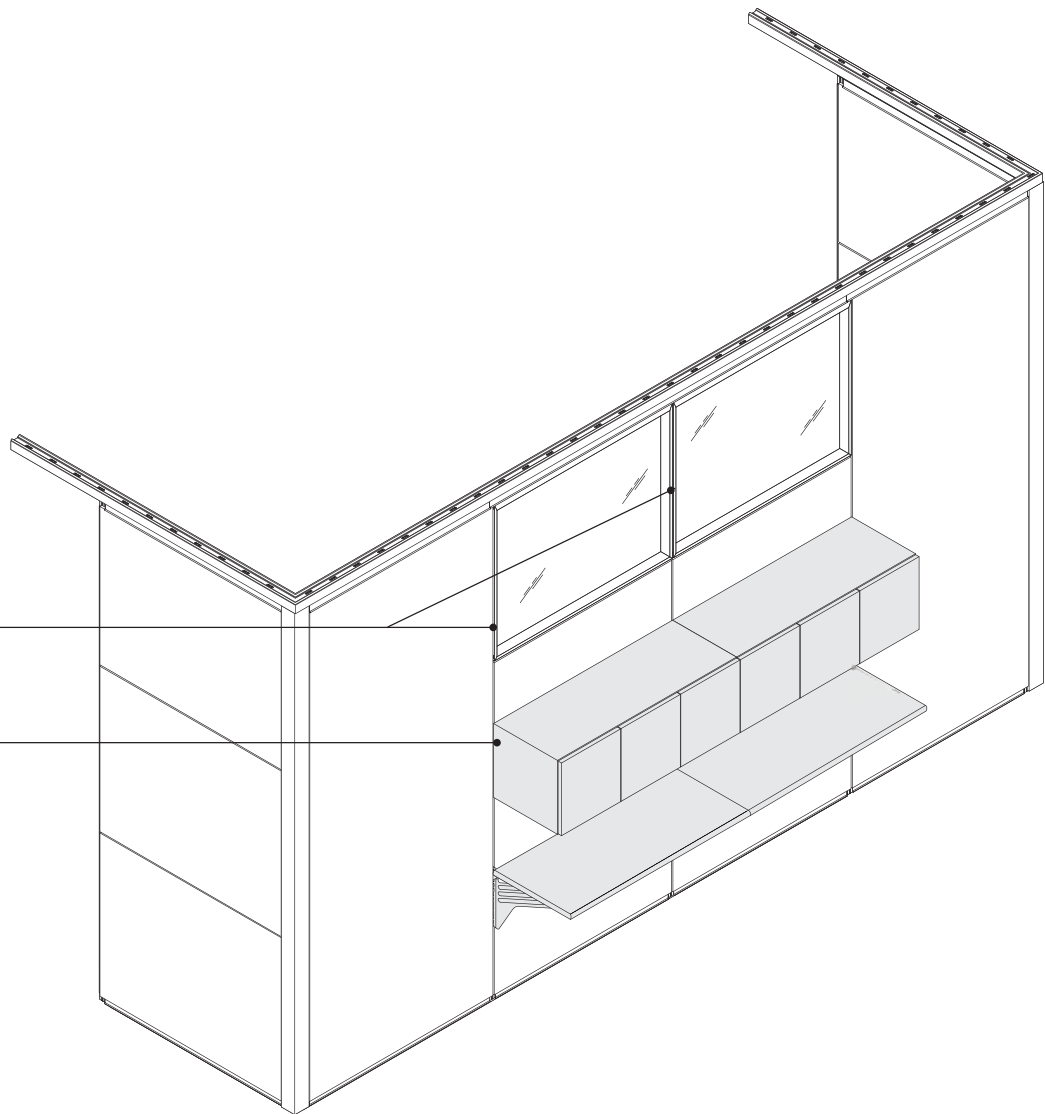
**Slider door with utility panel
Door on opposite side of RoomWizard II**

Hang-On Components

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

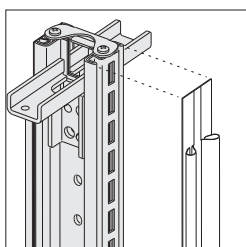
Posts that support hang-on components must extend to the ceiling.

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 89, 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.

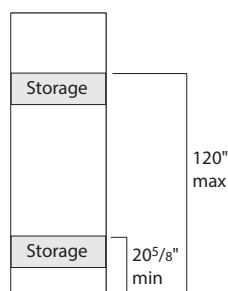
When planning with furniture to be mounted to slots, V.I.A. wall modules should be configured to the same width as the furniture.

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.

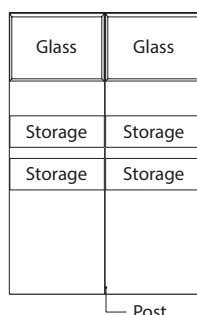


Components can be mounted at any vertical position on the wall between 120" and 12³/₈" AFF (Above Finished Floor), at increments of 1.03". The minimum height will depend on the height of the cabinet.

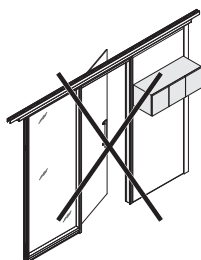
Minimum Mounting Height

Universal Sliding Door Bins	19 ¹ / ₁₆ "
Universal Over the Case Bins	19 ¹ / ₁₆ "
Universal In the Case Bins	19 ¹ / ₁₆ "
Universal Curved Front Bins	18 ¹ / ₁₆ "
Universal L-Shelves	18 ¹ / ₁₆ "
c:scape Mid Storage – Tall	18 ¹ / ₁₆ "
c:scape Mid Storage – Slim	12 ¹ / ₂ "
Elective Elements - Single-High Overhead Cabinets	18 ¹ / ₁₆ "
Elective Elements - Organizer	11 ¹ / ₈ "

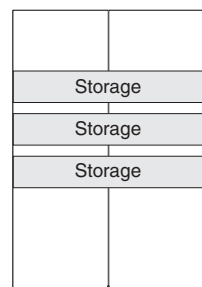
When planning with V.I.A. on low profile floor, wall-mounted components cannot be mounted on the wall due to load limitations on the floor.



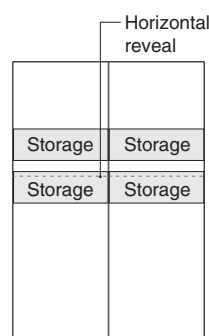
Posts that support hang-on components must extend to the ceiling.



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



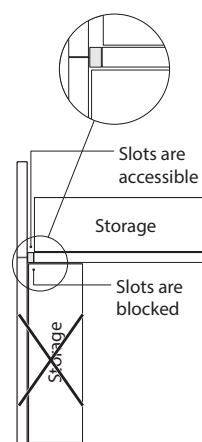
Vertical reveal



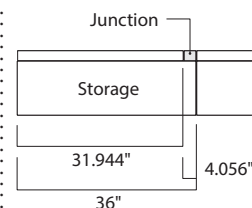
Horizontal reveal

Hang-on components, except for Elective Elements, can span vertical reveals. All components can span horizontal reveals.

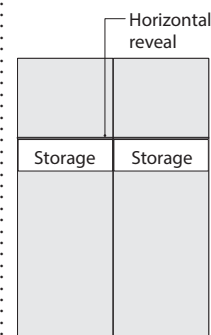
Tip: When planning for Elective Elements hang-on components, the skin width should be the same dimension as the component width.



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

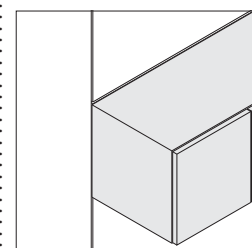


Hang-on components can span junctions. Allow for 4.056" when planning for the adjacent skin width.

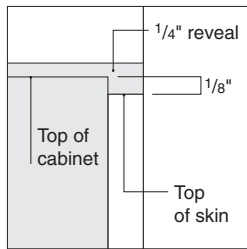


When using segmented skin configurations, skins can be planned so that the reveals will orient to the top of the hang-on unit.

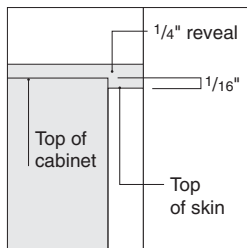
When mounting two or more cabinets side by side, ganging straps are required.



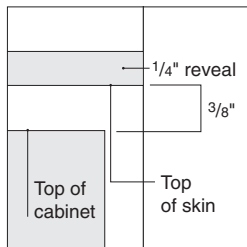
Universal Sliding Door Bins with sliders, Over the Case Bins, In the Case Bins, c:scape tall and slim storage, and Elective Elements bins will align exactly with the top of the skin. Other components will be offset slightly.



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 back-painted glass.

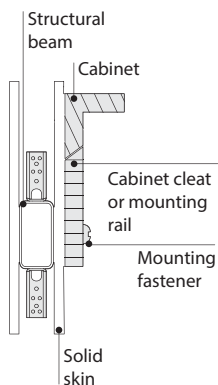
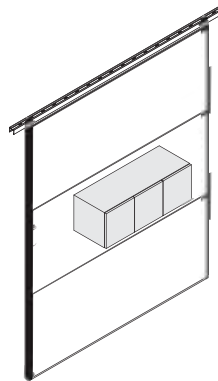
Pattern and etched glass may obscure the backs of the cabinets, but may still allow visible shadows.

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 L-Shelves
 - 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.

Structural Beam



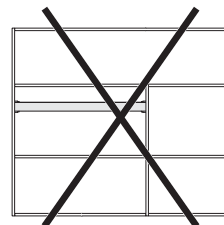
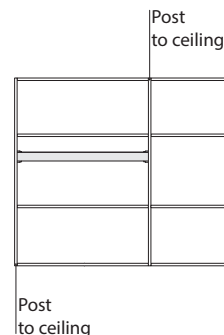
Structural beams are used to provide internal reinforcement in those applications where surface mounted storage is desired. ► Specifying, page 118

Although it is not the recommended method for mounting furniture, in some cases the preferred technique is to support furniture or equipment 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.

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".



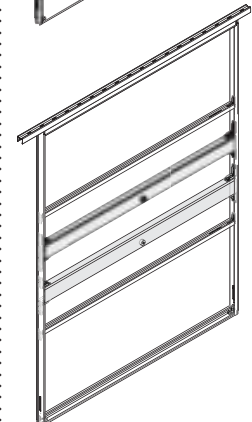
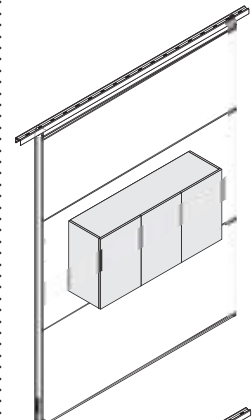
Posts that support a structural beam must extend to the ceiling.

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.



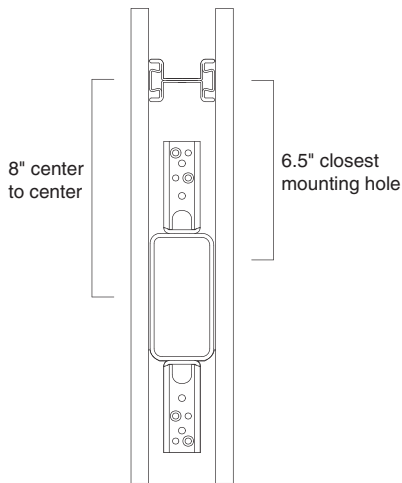
When the cabinet requires two mounting rails, two structural beams must be used accordingly.

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

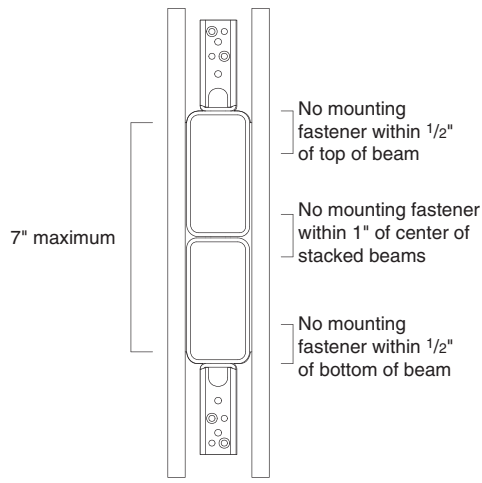
Cabinets can be mounted from both faces of a structural beam.

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

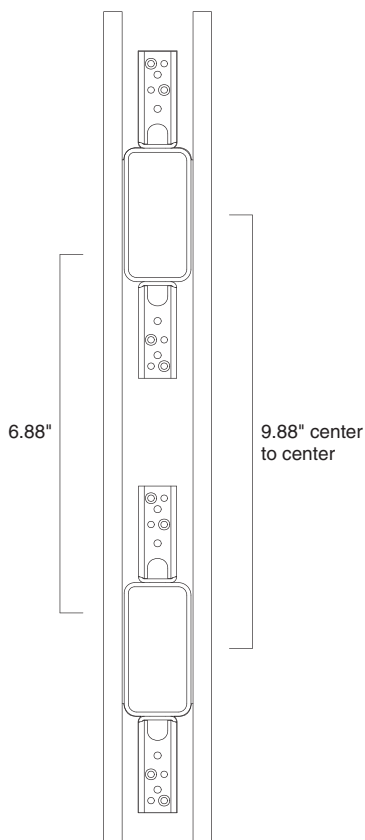
Structural beam can be no closer to the ceiling than 13.5" (to centerline of beam).



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".

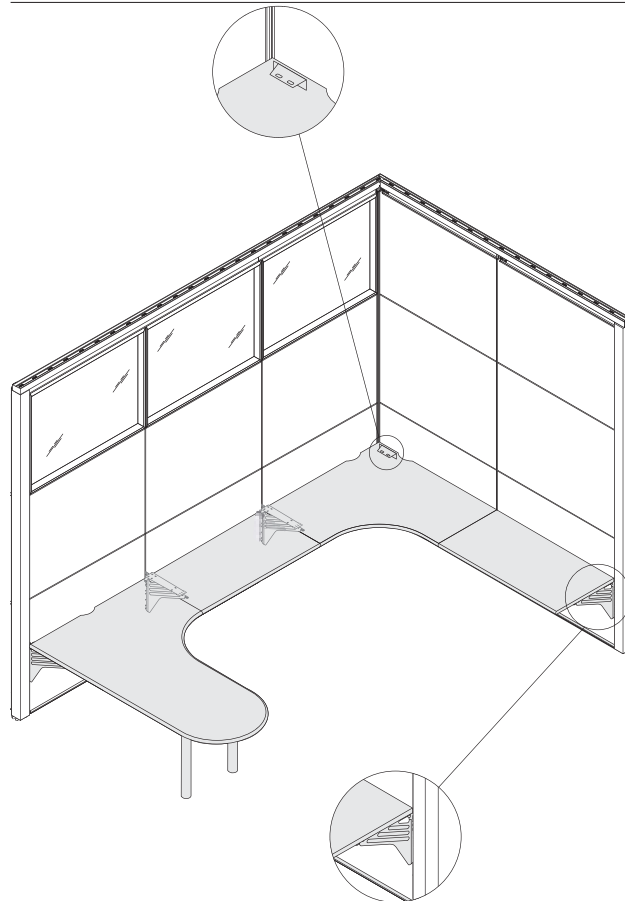


Two structural beams can be stacked together prior to mounting, creating an 8" high beam. If vertical distance between two fastening points is between 3"-7", use two stacked beams.



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".

Universal Systems Worksurface Supports

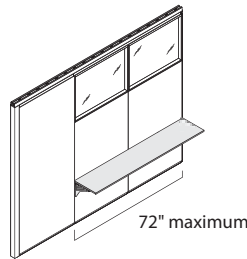
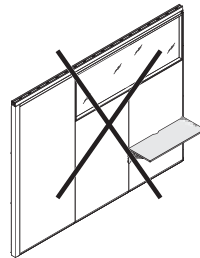
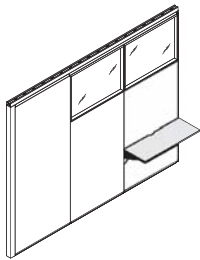


V.I.A. compatible cantilever brackets (VUCANT) and side support brackets (VUSSBR) are specifically designed to integrate with V.I.A.'s post and reveal. Universal worksurfaces can be mounted to V.I.A. walls using these supports.

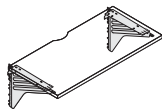
► See the *Answer Solutions Specification Guide* for a full listing of available worksurfaces.

Universal worksur-
faces are not parametric.
When applying worksurfaces
to V.I.A., wall module sizes
should be planned to cor-
respond to the worksurface
width.

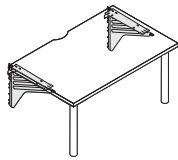
V.I.A. walls do not require
the use of return panels
to properly support wall
mounted worksurfaces.



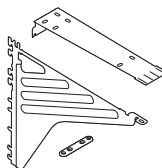
V.I.A. posts which
support worksurface
brackets must extend to
the ceiling.



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 intermedi-
ate support.



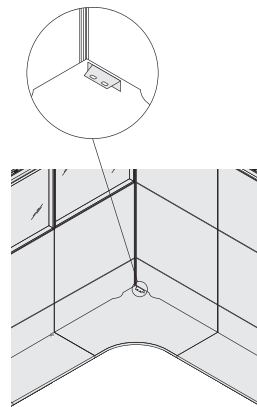
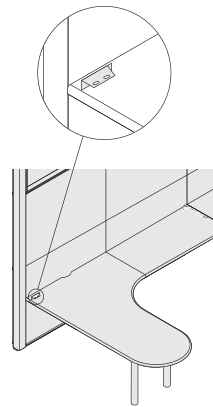
30" deep worksurfaces:
In addition to cantilevers,
straight and transition work-
surfaces require additional
floor support along the front
edge at each end, such as
side support brackets, ped-
estal, or post leg.



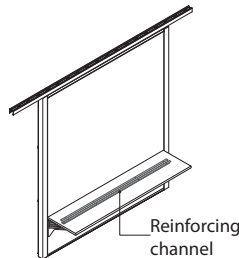
Cantilevers support
worksurfaces at any height
in 1" increments. Cantilever
is non-handed and can be
used to support either end
of a worksurface, or shared
to support two worksurfaces
at the same height simulta-
neously. One tie plate ships
with each cantilever.



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.

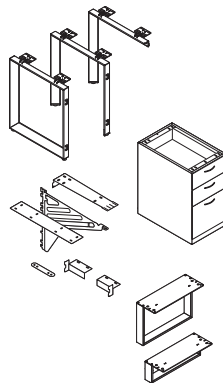


Single side support brackets can be used to support the user's side rear corner of bul-
let peninsula, or the rear corner of a corner worksurface.



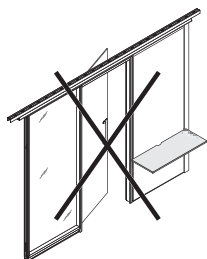
Long worksurface spans must be supported with cantilevers, pedestals, legs, or other
supports at least every 54". Reinforcing channel (TS7WKSP) allows the distance between
supports to be increased to 60" for worksurfaces that will be heavily loaded, or up to 72" for
worksurfaces with lighter expected loads. Reinforcing channel must be specified separately.

► See the *Answer Solutions Specification Guide*.

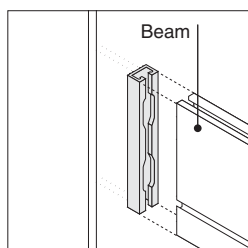


In addition to wall supported applications with cantilevers and side supports,
worksurfaces can also be positioned adjacent to V.I.A. walls by specifying other components
such as:

- 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.

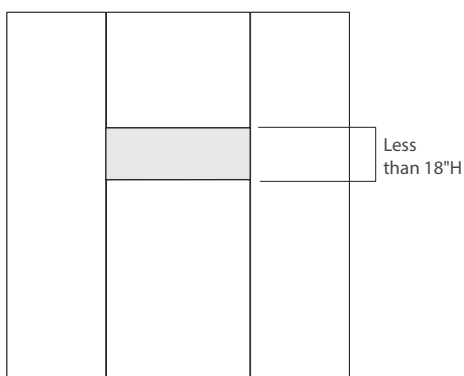
In certain sizes and configurations, display monitors can be surface mounted to solid skins (steel, laminate, or veneer) without the need for internal reinforcement. The following guidelines are based on an overall monitor projection of 4" or less.

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.

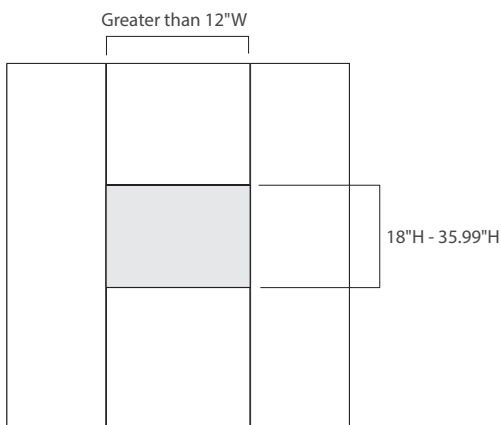
Monitor Maximum Weight			
Skin Height	Skin Width Restriction	Maximum Monitor Weight	Classification of Monitor Mounting Brackets
6"-17.99"	N.A.	N.A.	N.A.
18"-35.99"	Must be > 12"	50 lb	50 lb or less
36"-120"	36"-120"	150 lb	150 lb or less

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

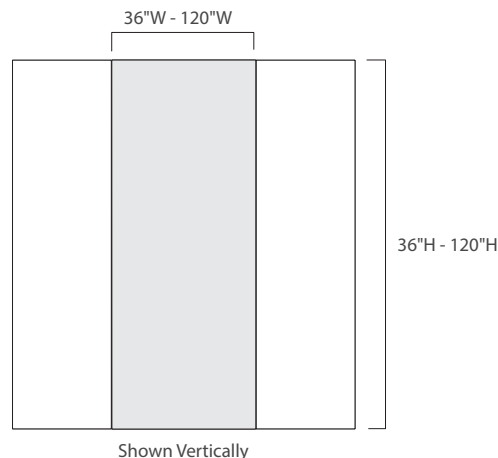
Mounting bracket should not be positioned closer than 6" to edge of skin.



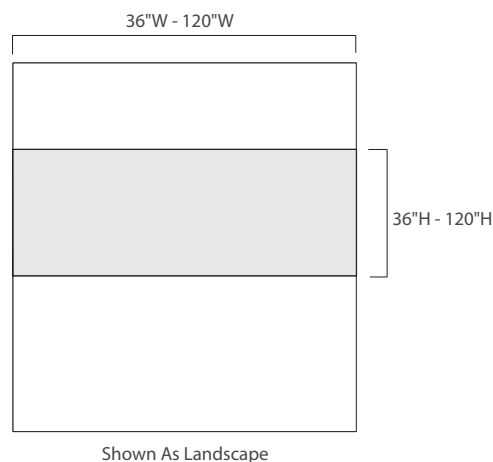
If skin height is less than 18"H, no surface mounting is allowed.



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

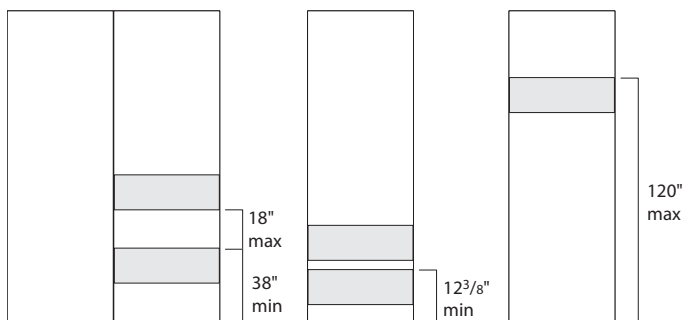


If skin height is 36"H-120"H and width is 36"W-120"W, surface mounting is allowed up to 150 pounds.



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



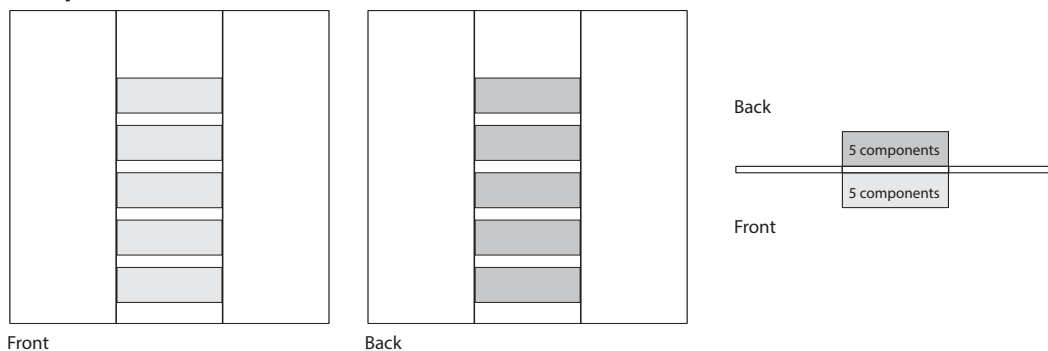
A cabinet cannot be positioned below 38" unless there is a cabinet above it within 18".

Minimum mounting height is dependent on cabinet type.

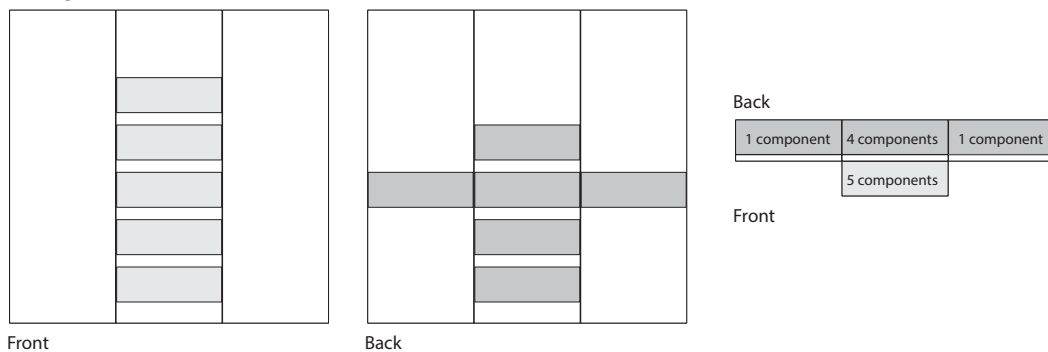
► See *Hang-On Components*, page 80

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

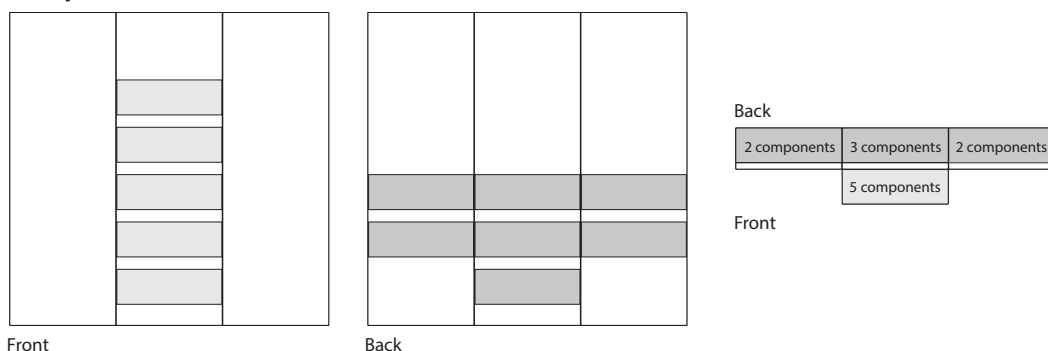
Example 1:



Example 2:

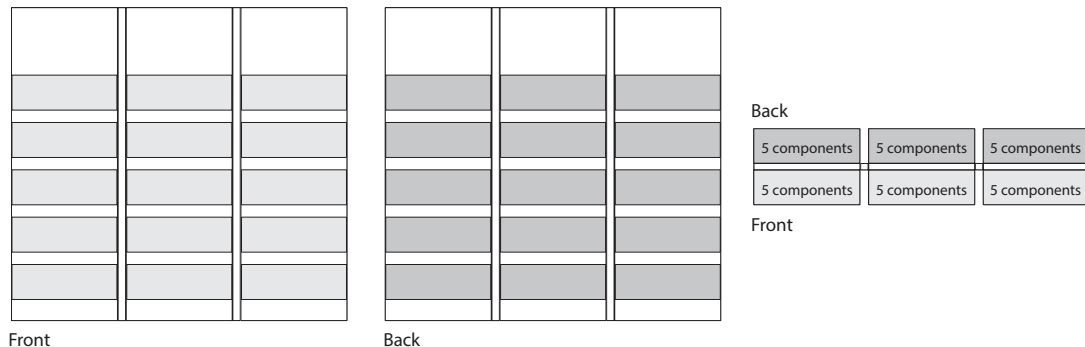


Example 3:



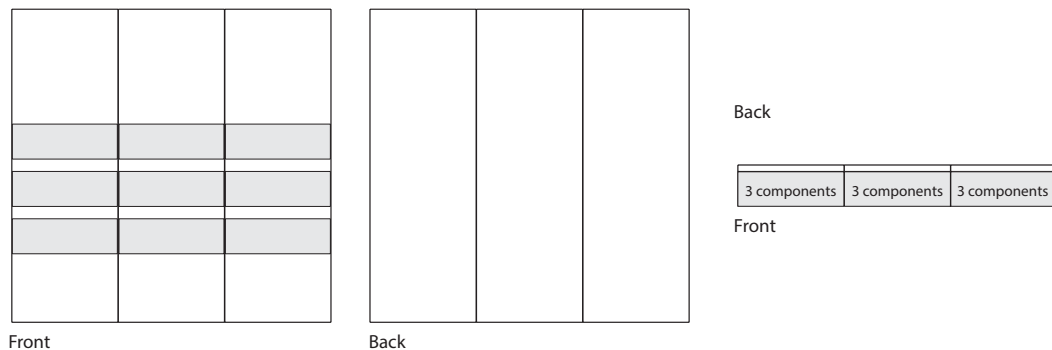
Note: The maximum hang-on capacity on a given wall can be increased by using 180° junctions between modules to reduce the load on each post.

Example 1:

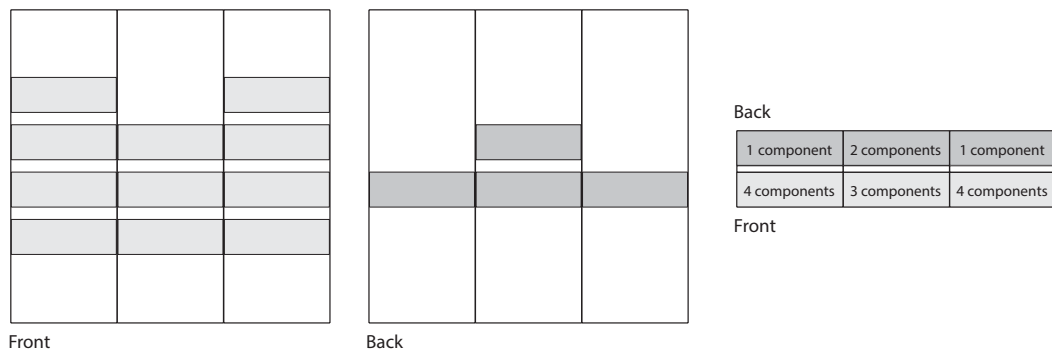


Note: Components must be mounted in a manner where the load difference per module from one side of the wall to the other does not exceed three components.

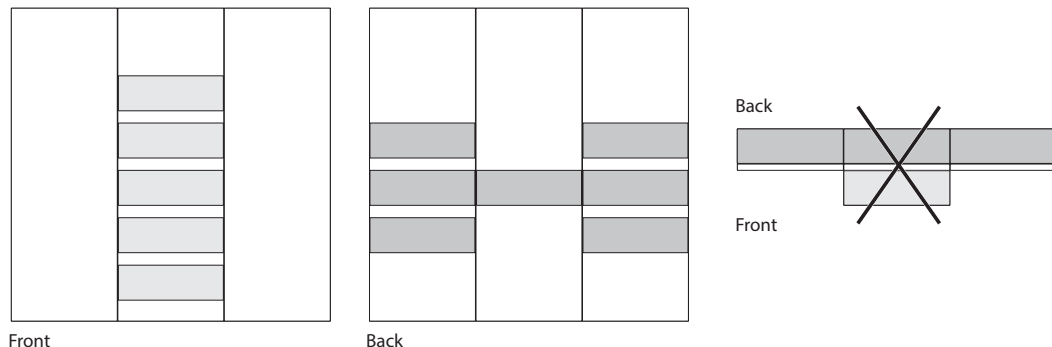
Example 1:



Example 2:

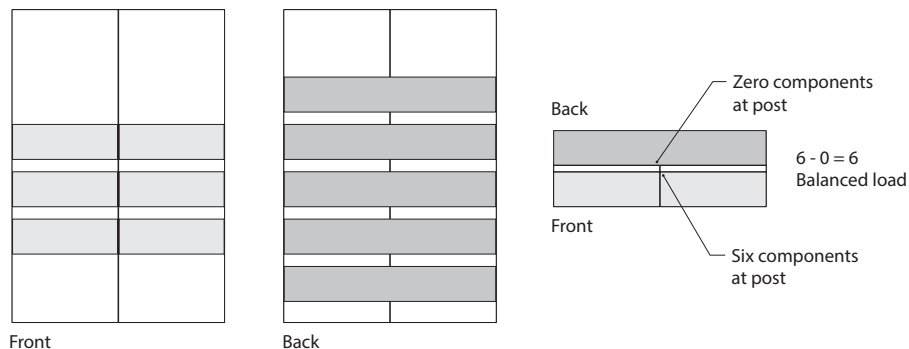


Example 3:

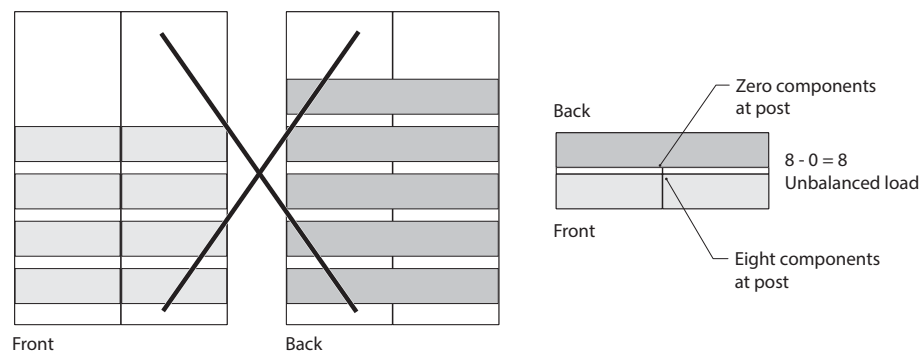


Loading and Stability Guidelines, continued

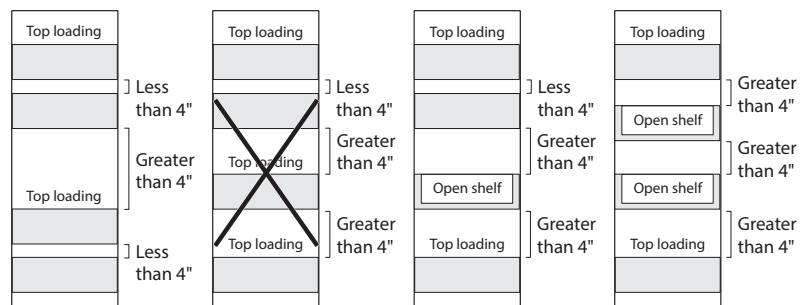
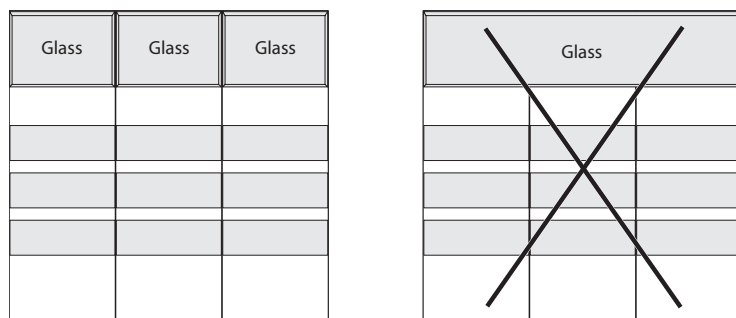
Example 4:



Example 5:

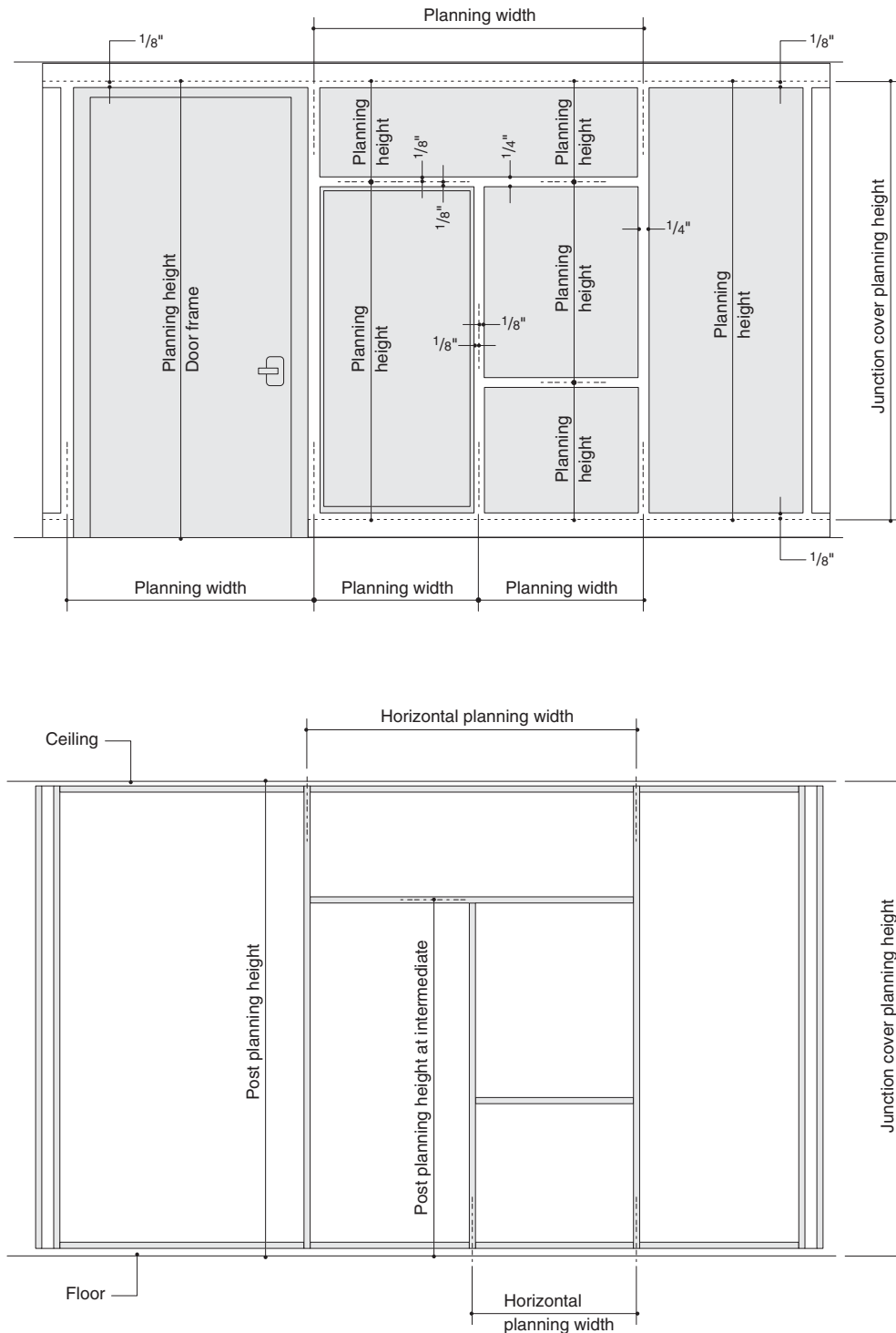


Note: Posts that support hang-on components must extend to the ceiling.



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.

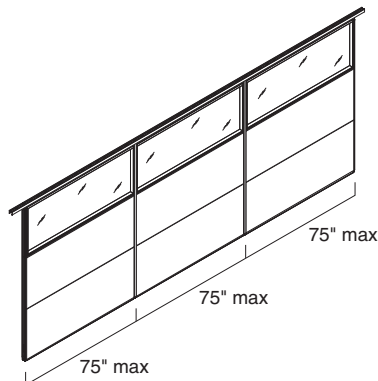
Many of the dimensional planning references for V.I.A. are established based on the position of the skin and frame reveals. To help define component dimensions in this frame of reference, V.I.A. components are specified in the context of planning dimensions, which often use virtual centerlines as a reference 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 than 75" apart can be applied without any limitation consideration as related to the need for primary structural assemblies or wall length.

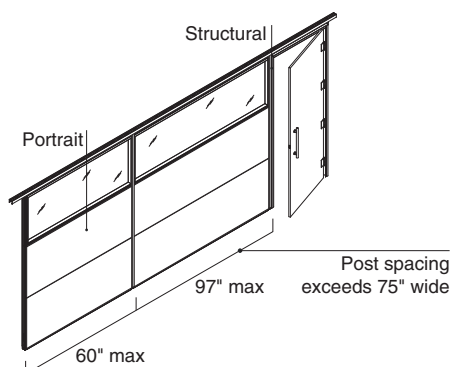


Once the post spacing exceeds 75", additional planning elements such as primary structural assemblies and/or portrait oriented modules are required.

The maximum width of a landscape oriented skin or captured glass frame, and the manner in which it 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 95.



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

Primary structural assembly can be any of the following:

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

Posts that are intermediate height (top mount is not at the ceiling) do not provide support as applied to landscape planning guidelines.

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

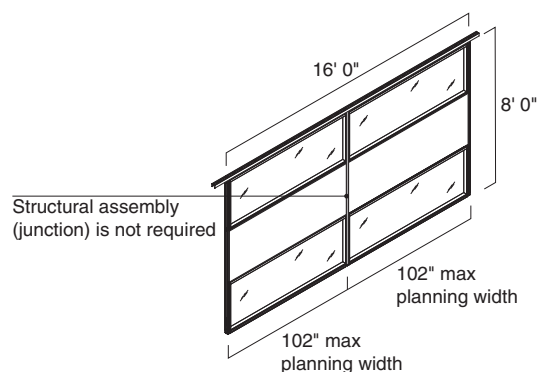
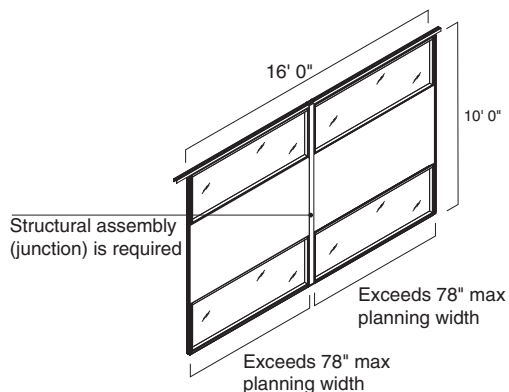
When skins or captured glass frames are more than 60" wide, they are considered to be in landscape orientation.

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

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

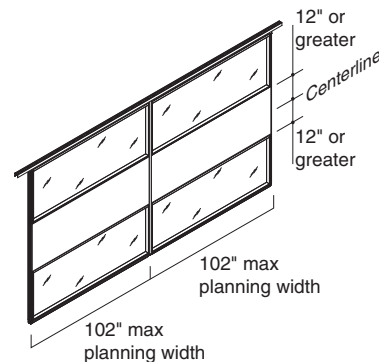
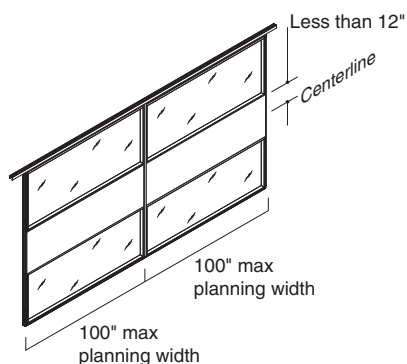
Maximum allowable planning width increases as ceiling heights decrease.

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

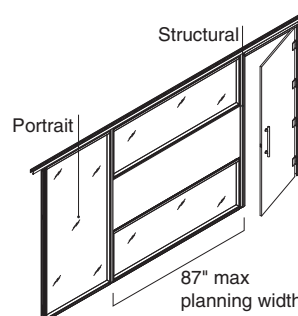
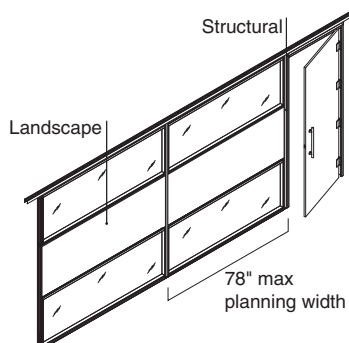


Maximum allowable planning width decreases if intermediate horizontals are positioned within 12" of the centerline of the wall.

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



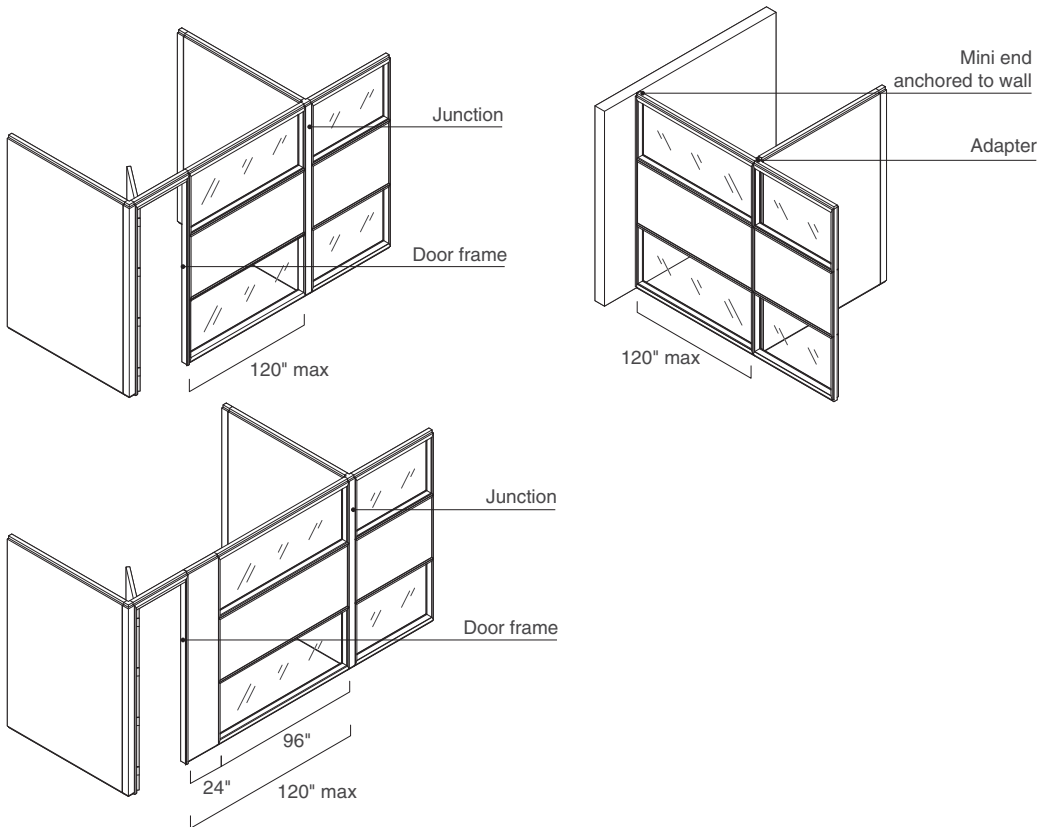
Maximum allowable planning width increases if both adjacent modules are either portrait oriented (60" or less between posts) or are a primary structural assembly. Adding a landscape module at either edge limits the maximum planning width.



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

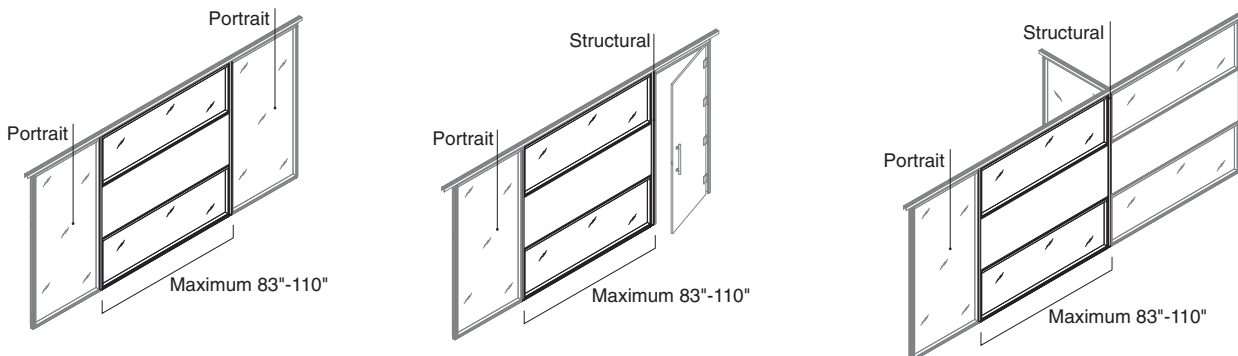
Planning Within Spans No Greater Than 120" Wide

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.

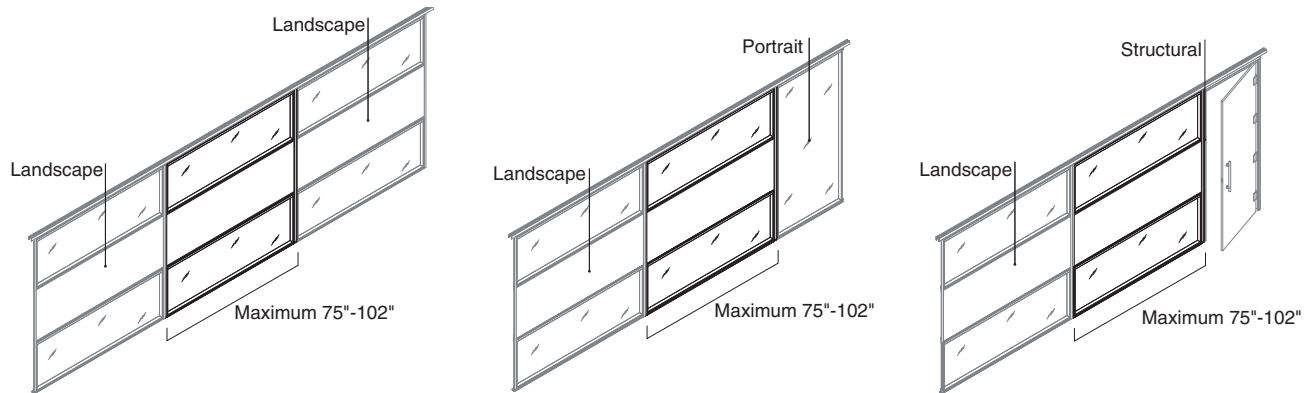


Landscape modules can be placed within spans where primary structural assemblies are greater than 120" apart if they are configured as shown below, with maximum planning widths as defined in the *Landscape Planning Matrices*, see page 95.

Portrait and/or Primary Structural Assembly at Each Edge



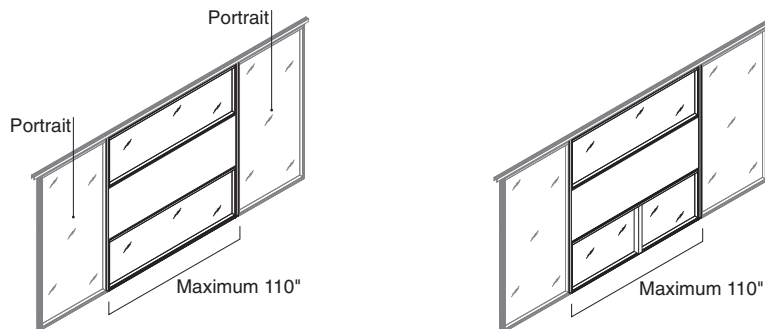
Landscape Module at Either or Both Edges



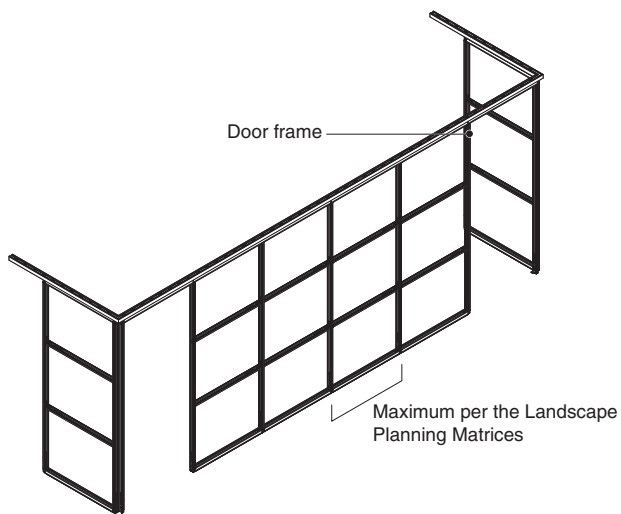
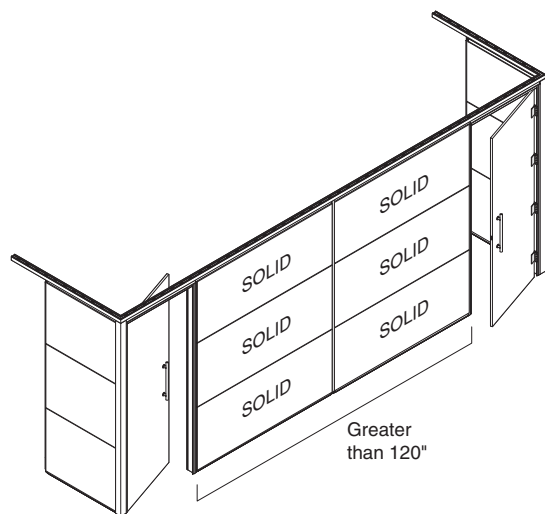
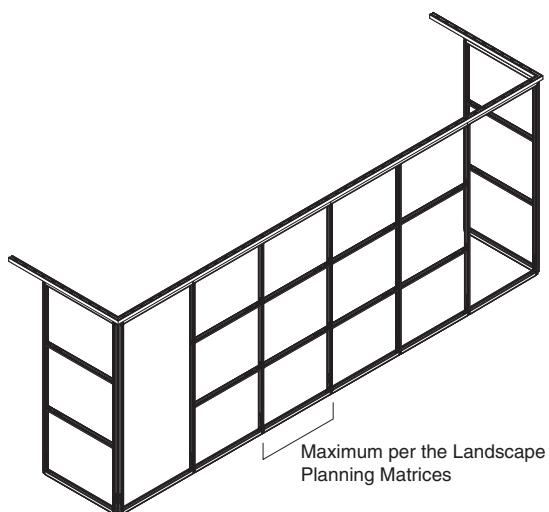
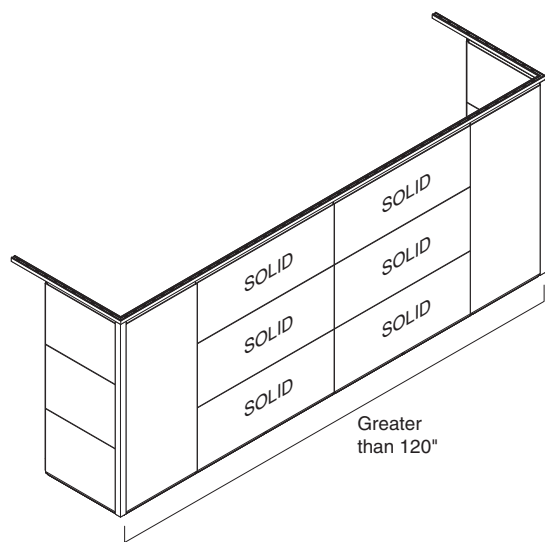
Primary structural assembly:

- 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.

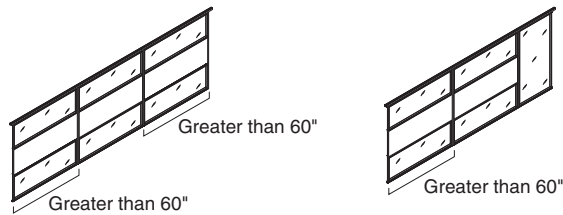


Tip: Adding an intermediate height post does not increase the maximum width of the landscape frame.



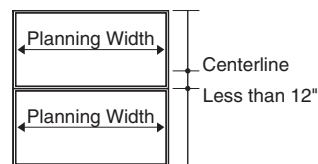
Planning per these guidelines ensures that solid walls will meet IBC structural criteria for transverse loads per ASTM E72.

Either or Both Adjacent Modules Are Landscape



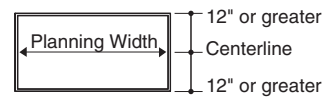
Intermediate Horizontal:

Any horizontal is closer than 12" to centerline



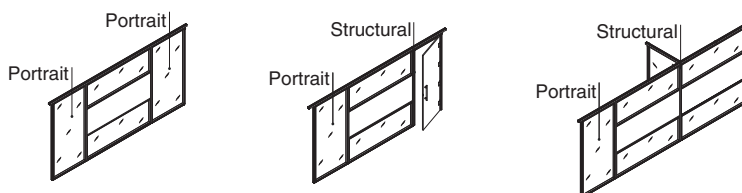
Intermediate Horizontal:

No horizontal is closer than 12" to centerline



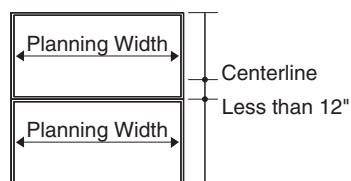
Ceiling Height	Maximum Planning Width	Maximum Planning Width
96"	100"	102"
102"	94"	99"
108"	88"	92"
114"	82"	85"
120"	75"	78"

Both Adjacent Modules Are Either Portrait Oriented Primary Structural Elements



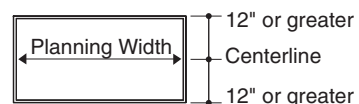
Intermediate Horizontal:

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. Page 92

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. Two seals (FESSA) are 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 30, for more information about acoustic related components and planning guidelines for different skin configurations.

Sound transmission performance at door openings (slider and reversible)

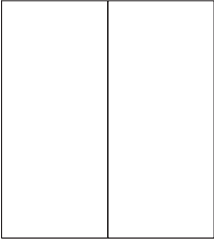
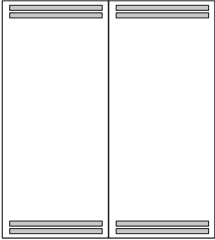
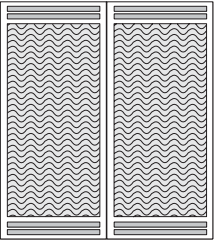
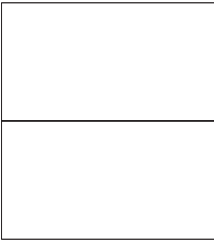
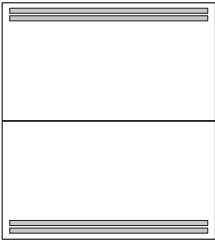
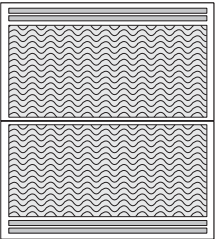

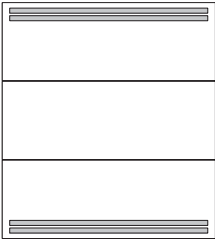
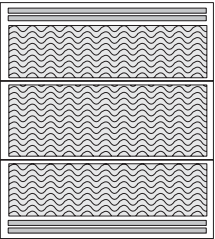
can be improved by adding drop seals to the doors.

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)

	Untreated	Internal Skin Seals	Internal Skin Seals Full Insulation Extended Post Seal
Steel Skins Portrait Oriented	 42 STC	 45 STC	 50 STC
Steel Skins Landscape 2 Segments	 43 STC	 46 STC	 52 STC
Steel Skins Landscape 3 Segments	 43 STC	 46 STC	 51 STC

**STC Performance -
Solid Walls**

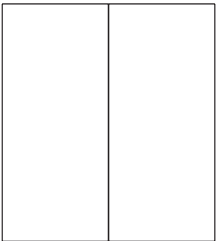
Veneer Skins and Laminate

Untreated

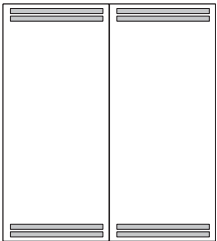
Internal Skin Seals

Internal Skin Seals
Full Insulation
Extended Post Seal

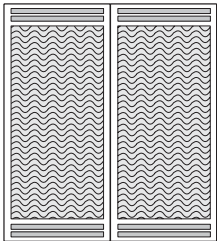
Veneer and
Laminate Skins
Portrait
Oriented



37 STC

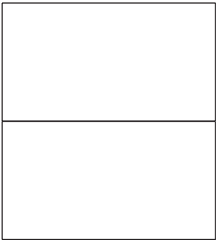


38 STC

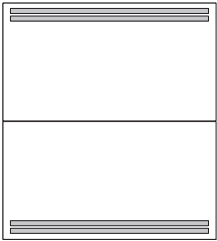


43 STC

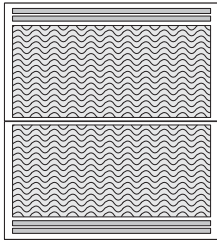
Veneer and
Laminate Skins
Landscape
2 Segments



37 STC

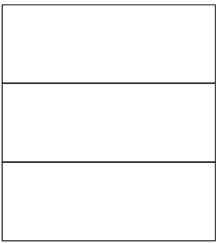


40 STC

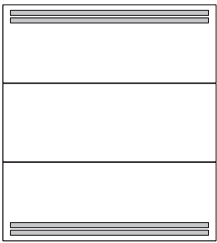


45 STC

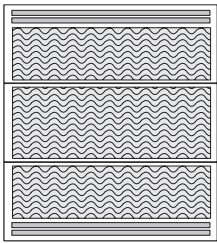
Veneer and
Laminate Skins
Landscape
3 Segments



37 STC

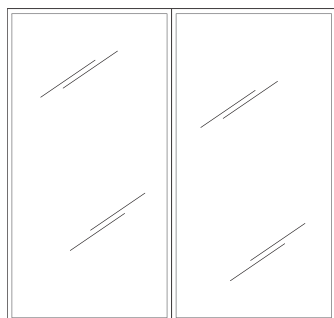


41 STC

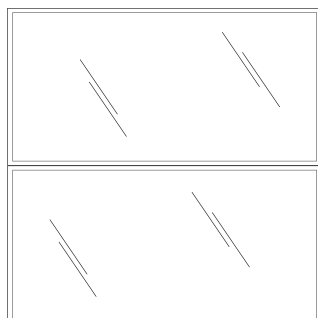


44 STC

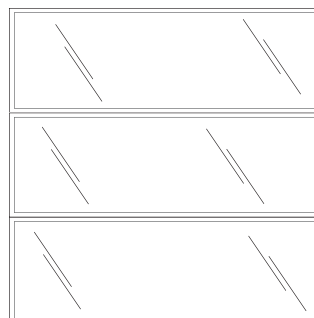
Combining steel and veneer skins on opposite sides of the same wall will improve these veneer results by two to four STC points depending on configuration.



Portrait



Landscape



Landscape

STC performance does not vary between portrait and landscape frame configurations.

Double Glazed

$\frac{1}{4}$ " thick tempered + $\frac{1}{4}$ " thick tempered glass: 42 STC

$\frac{3}{8}$ " thick tempered + $\frac{1}{4}$ " 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 $\frac{3}{8}$ " thick glass in both sides of the frame does not improve STC performance.

Single Glazed

$\frac{1}{4}$ " thick tempered glass: 30 STC

$\frac{3}{8}$ " thick tempered glass: 31 STC

$\frac{1}{4}$ " thick laminated glass: 31 STC

$\frac{3}{8}$ " thick laminated glass: 33 STC

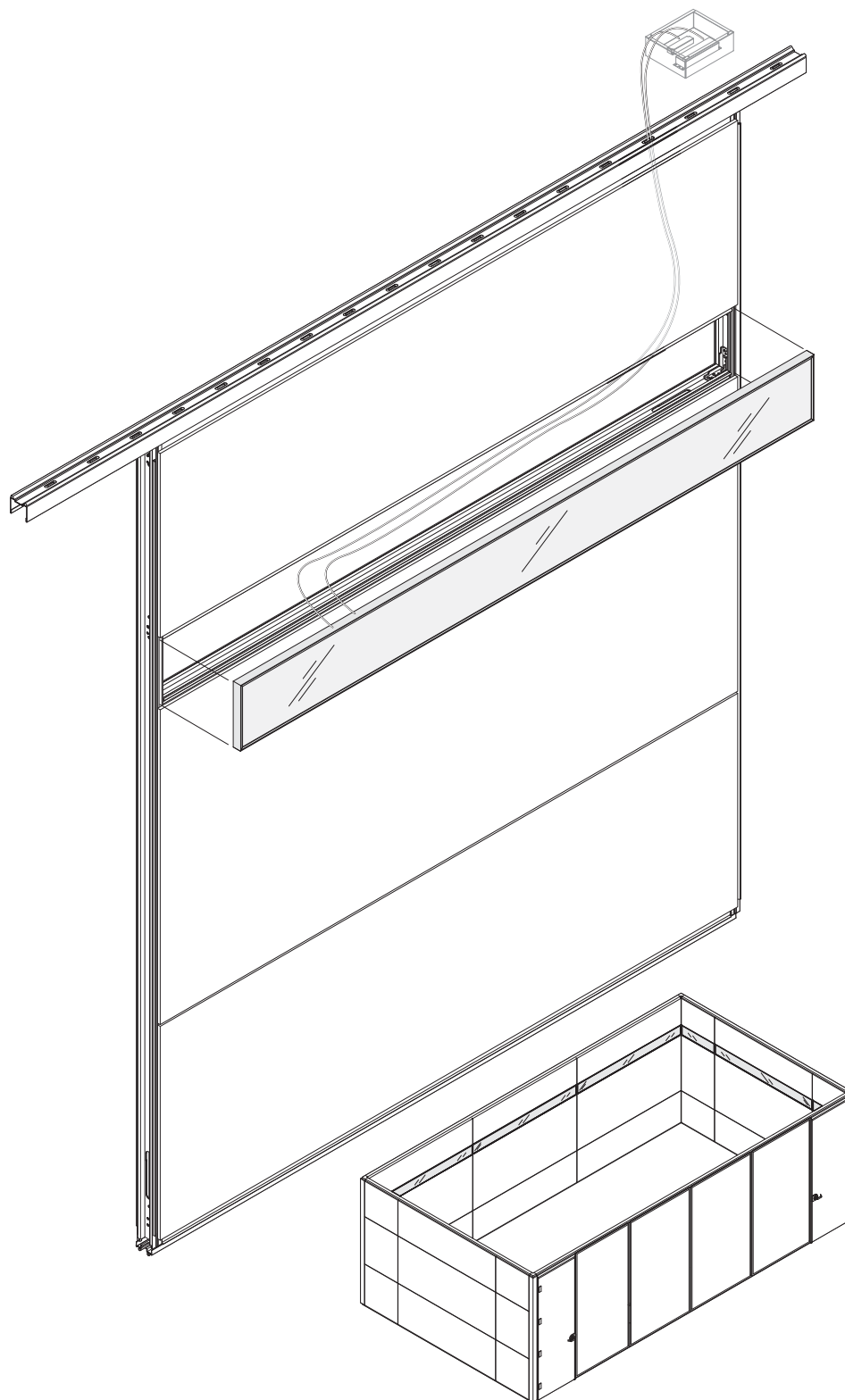
Using acoustic glass frame seals (FEFRCGSA) on single glazed frames will not improve STC performance.

STC = Sound Transmission Coefficient

Lighting

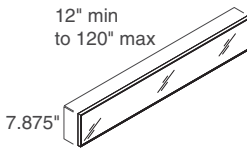
LED light fixtures provide fill lighting to improve facial features and enhance video conferencing experiences in High Definition Video Conferencing (HDVC) environments.

► Specifying, page 203

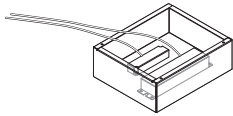


Product Details

► See *V.I.A. Planning Dimensions*, page 89, 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

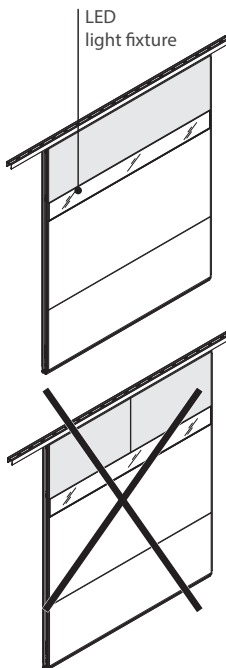
Application Topics

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 9.54" (242.3 mm)
- Width 2.35" (59.7 mm)
- Height 1.47" (37.4 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.

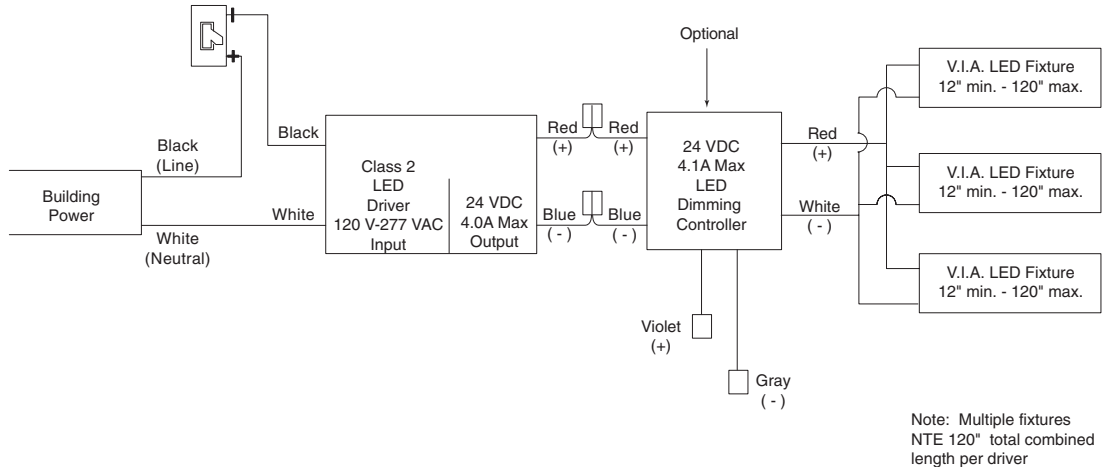
Surface Materials

Trim

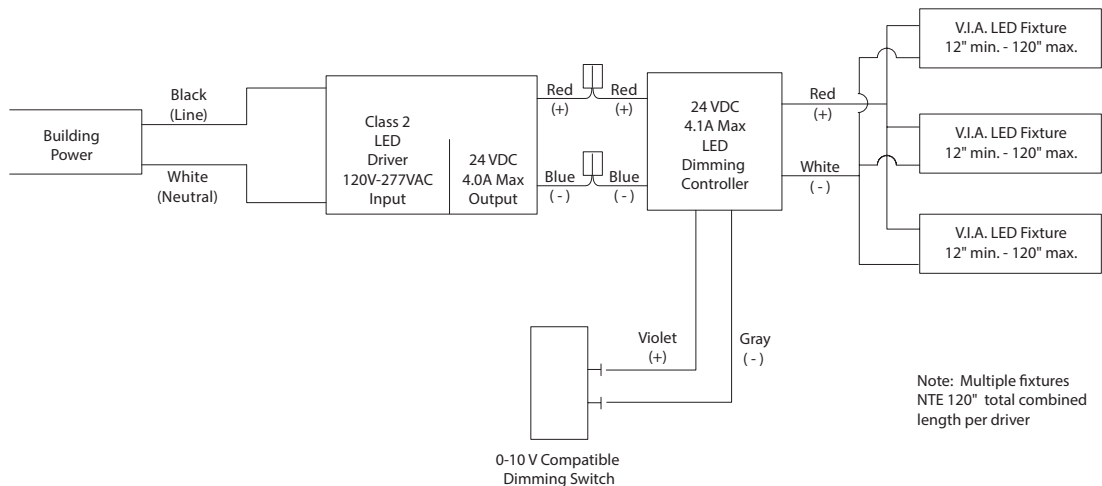
- 8043 Clear Anodized Aluminum
- Paint

Lighting Schematics

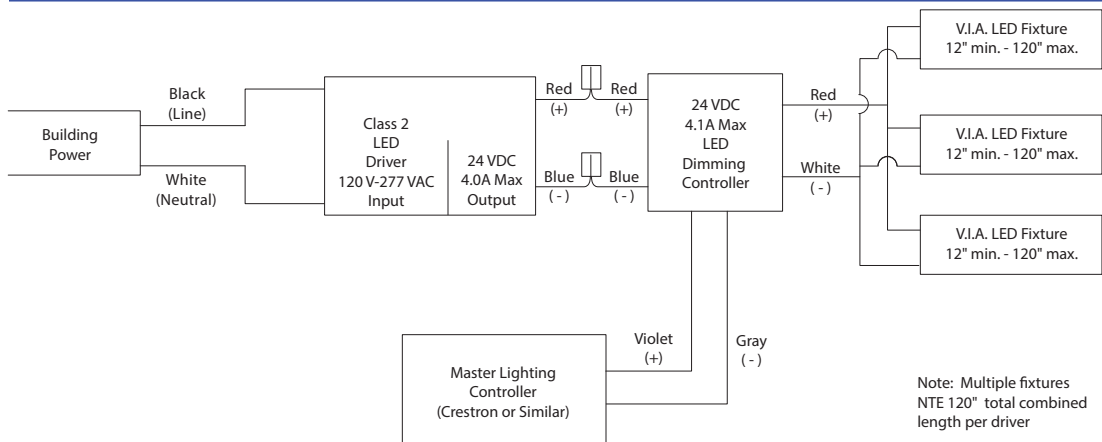
A: 120V-277 VAC Compatible Toggle On/Off Switch

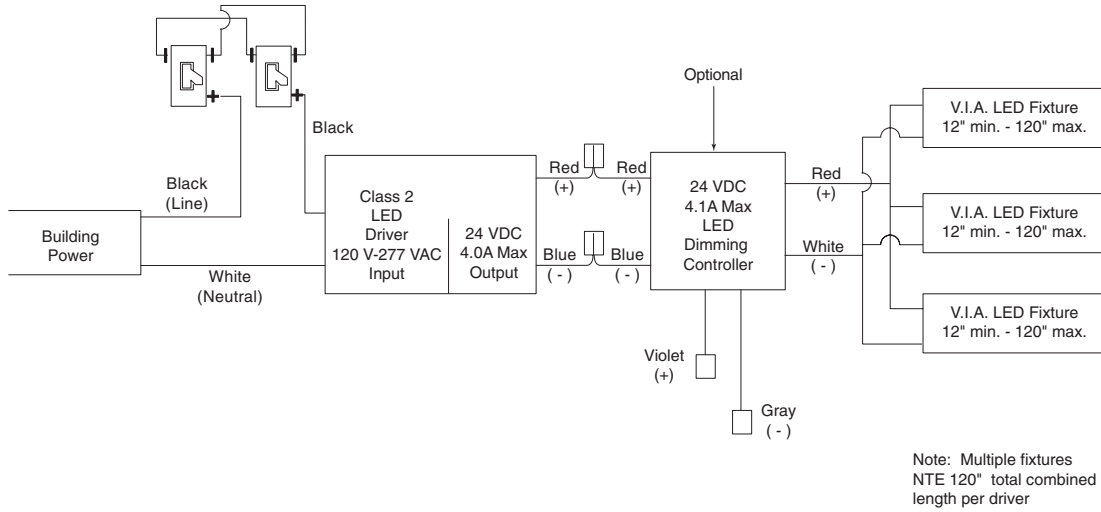
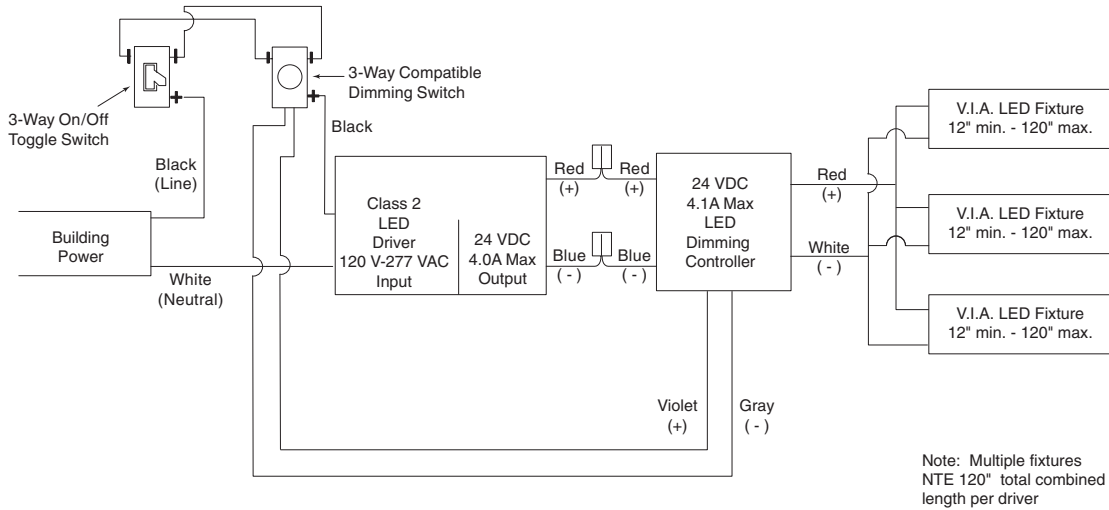


B: 0-10V Compatible Dimmer Switch (Rotary, slide, preset, etc.)



C: Master Lighting Controller (Crestron, other)



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**

Specifying Structural Frame Components

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Post

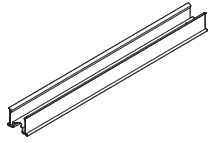


Standard Includes		Required to Specify
► Need help? Product details, page 20	<ul style="list-style-type: none"> • Post • Height: 15"–144" • Seal: plastic 	1 Style number 2 Height 3 Plastic color number for seal 4 Top mount type (see below under Required Selections) 5 Horizontal hole count (see below under Required Selections) ► See <i>Surface Materials</i> , page 206.

Required Selections		Required to Specify
Top Mount Type	<ul style="list-style-type: none"> • Ceiling • Intermediate 	Specify <i>with ceiling mount</i> . Specify <i>with intermediate mount</i> .
Horizontal Hole Count	Horizontal Holes <ul style="list-style-type: none"> • 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 <i>with no holes</i> . Specify <i>Y dimension for hole 1</i> . Specify <i>Y dimension for hole 2</i> . Specify <i>Y dimension for hole 3</i> . Specify <i>Y dimension for hole 4</i> . Specify <i>Y dimension for hole 5</i> . Specify <i>Y dimension for hole 6</i> . Specify <i>Y dimension for hole 7</i> . Specify <i>Y dimension for hole 8</i> . Specify <i>Y dimension for hole 9</i> . Specify <i>Y dimension for hole 10</i> . Specify <i>Y dimension for hole 11</i> .

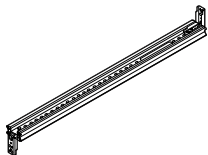
Specification Information	
• Style Number	
• FEPVS	

Structural Horizontal



Standard Includes		Required to Specify
► Need help? Product details, page 20	<ul style="list-style-type: none"> • Post • Width: 6"–120" • Seal: plastic 	1 Style number 2 Width 3 Plastic color number for seal 4 Cut-out configuration (see below under Required Selections) ► See <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Cut-out Configuration	<ul style="list-style-type: none"> • Cutable • Non-cut 	Specify <i>with cutable</i> . Specify <i>with non-cut</i> .
Specification Information		
Style Number : : :		
FERHS : :		

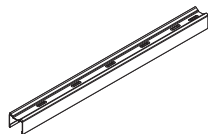
Intermediate Horizontal



Standard Includes		Required to Specify
► Need help? Product details, page 20	<ul style="list-style-type: none"> • Horizontal • Width: 6"–120" • Seal: plastic 	1 Style number 2 Width 3 Plastic color number for seal 4 Vertical hole count (see below under Required Selections) ► See <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Vertical Hole Count	Vertical Holes <ul style="list-style-type: none"> • 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 <i>with no holes</i> . Specify <i>X dimension for hole 1</i> . Specify <i>X dimension for hole 2</i> . Specify <i>X dimension for hole 3</i> . Specify <i>X dimension for hole 4</i> . Specify <i>X dimension for hole 5</i> . Specify <i>X dimension for hole 6</i> . Specify <i>X dimension for hole 7</i> . Specify <i>X dimension for hole 8</i> . Specify <i>X dimension for hole 9</i> . Specify <i>X dimension for hole 10</i> . Specify <i>X dimension for hole 11</i> .
Specification Information		
Style Number : : :		
FERHI : :		

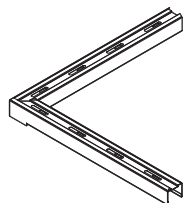
Ceiling Tracks

Straight Ceiling Track



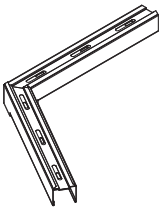
Standard Includes		Required to Specify
<p>► Need help? Product details, page 20</p>	<ul style="list-style-type: none"> Ceiling track: paint Seal to match paint color, when applicable: <ul style="list-style-type: none"> - 7190 Platinum Solid paint will default 6249 Platinum Solid plastic - 7241 Arctic 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 	<ol style="list-style-type: none"> Style number Paint color number for ceiling track Plastic color number for seal, if required Length (See below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>
Required Selections		Required to Specify
Length	<ul style="list-style-type: none"> 120" 144" 	Specify 120". Specify 144".
Specification Information		
<p>• Style Number</p> <p>.....</p>		
<p>FECTS</p> <p>.....</p>		

Corner Fixed Angle Ceiling Track



Standard Includes		Required to Specify
<p>► Need help? Product details, page 20</p>	<ul style="list-style-type: none"> Ceiling track: paint Seal to match paint color, when applicable: <ul style="list-style-type: none"> - 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 	<ol style="list-style-type: none"> Style number Paint color number for ceiling track Plastic color number for seal, if required Angle (See below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>
Required Selections		Required to Specify
Fixed Angles	<ul style="list-style-type: none"> 90° 120° 135° 	Specify with 90° angle. Specify with 120° angle. Specify with 135° angle.
Specification Information		
<p>• Style Number</p> <p>.....</p>		
<p>FECTF</p> <p>.....</p>		

Corner Variable Angle Ceiling Track



Standard Includes		Required to Specify
<p>► Need help? Product details, page 20</p>	<ul style="list-style-type: none"> Ceiling track: paint Seal to match paint color, when applicable: <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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) <p>► See <i>Surface Materials</i>, page 206.</p>
Required Selections		Required to Specify
Angle	<ul style="list-style-type: none"> 91°–119° 121°–134° 136°–179° 	<p>Specify angle in 1° increment.</p> <p>Specify angle in 1° increment.</p> <p>Specify angle in 1° increment.</p>
Specification Information		
<p>• Style Number</p> <p>• FECTV</p>		

Ceiling Fastener and T/X Ceiling Track Bracket

Ceiling Fastener



Tip: Order one ceiling fastener package per 10' of ceiling track.

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

Standard Includes		Required to Specify
► Need help? Product details, page 24	• Fastener package	1 Style number 2 Fastener type (see below under Required Selections)
Required Selections		Required to Specify
Fastener Type	<ul style="list-style-type: none"> • 1"W exposed T • 9/16"W exposed T • 1/4"W Donn Finline • 1/8"W Donn Finline • 1"W fluted runner 1/4–20 • 1"W tegular • 9/16" tegular 	Specify with 1"W exposed T. Specify with 9/16"W exposed T. Specify with 1/4"W Donn Finline. Specify with 1/8"W Donn Finline. Specify with 1"W fluted runner 1/4–20. Specify with 1" tegular. Specify with 9/16" tegular.
Specification Information		
• Style Number		
:		
:		
FECF		
:		

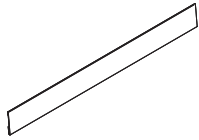
T/X Ceiling Track Bracket



Tip: For T application specify one bracket. For X application, specify two brackets.

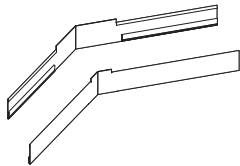
Standard Includes		Required to Specify
► Need help? Product details, page 22	• Bracket	Style number
Specification Information		
• Style Number		
:		
:		
FECTB		
:		

Straight Base Trim



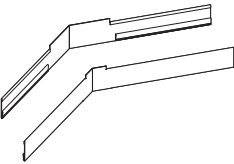
Standard Includes		Required to Specify
► Need help? Product details, page 22	• Base trim: paint	1 Style number 2 Paint color number for trim 3 Length (See below under Required Selections) ► See <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Length	• 120" • 144"	Specify 120". Specify 144".
Specification Information		
• Style Number		
• FEBTS		

Corner Fixed Angle Base Trim



Standard Includes		Required to Specify
► Need help? Product details, page 22	• Base trim: paint	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 <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Fixed Angles	• 90° • 120° • 135°	Specify with 90° angle. Specify with 120° angle. Specify with 135° angle.
Corner Type	• Inner • Outer	Specify with inner corner. Specify with outer corner.
Specification Information		
• Style Number		
• FEBTF		

Corner Variable Angle Base Trim



Standard Includes	Required to Specify
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<div>▶ Need help? Product details, page 22</div> <div>• Base trim: paint</div>	<div>1 Style number</div> <div>2 Paint color number for trim</div> <div>3 Angle (see below under Required Selections)</div> <div>4 Corner type (see below under Required Selections)</div> <div>▶ See <i>Surface Materials</i>, page 206.</div>
--	---

Required Selections	Required to Specify
---------------------	---------------------

Angle	<div>• 91°–119°</div> <div>• 121°– 134°</div> <div>• 136°–179°</div>	<div>Specify angle in 1° increment.</div> <div>Specify angle in 1° increment.</div> <div>Specify angle in 1° increment.</div>
Corner Type	<div>• Inner</div> <div>• Outer</div>	<div>Specify <i>with inner corner</i>.</div> <div>Specify <i>with outer corner</i>.</div>

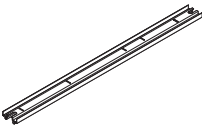
Specification Information

<div>• Style</div> <div>• Number</div> <div>• </div> <div>• </div>
<div>FEBTV</div> <div>• </div> <div>• </div>

Floor Track and Floor Track Spring

Floor Track and Floor
Track Spring

Floor Track



Standard Includes	Required to Specify
<ul style="list-style-type: none"> Need help? Product details, page 20 Floor track: paint Width: 6"—120" 	<ul style="list-style-type: none"> 1 Style number 2 Paint color number for floor track 3 Width See <i>Surface Materials</i>, page 206.

Specification Information
<ul style="list-style-type: none"> Style Number
FEFT

Floor Track Spring

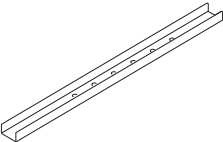


Standard Includes	Required to Specify
<ul style="list-style-type: none"> Need help? Product details, page 21 Floor track spring 	<ul style="list-style-type: none"> Style number

Specification Information
<ul style="list-style-type: none"> Style Number
FEFTS

Structural Frame
Components

Floor Guide



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

- | | |
|---|---|
| <ul style="list-style-type: none">▶ Need help? Product details, page 22 | <ul style="list-style-type: none">• Floor guide |
| | <ul style="list-style-type: none">1 Style number2 Gripper type (see below under Required Selections) |

Required Selections	Required to Specify
---------------------	---------------------

- | | |
|---|--|
| Gripper <ul style="list-style-type: none">• Simple• Seismic | <ul style="list-style-type: none">Specify <i>with simple</i>.Specify <i>with seismic</i>. |
|---|--|

Specification Information

- | |
|---|
| <ul style="list-style-type: none">• Style Number•• |
| FEFG <ul style="list-style-type: none">•• |



Standard Includes		Required to Specify
► Need help? Product details, page 20	• 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
<div>▶ Need help? Product details, page 83</div> <div>• Attachment kit</div>	Style number

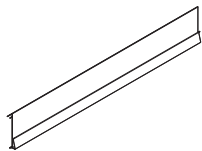
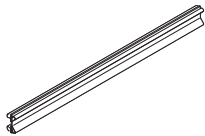
Specification Information
<div>• Style Number</div> <div>.....</div>
FEPBK
.....

Intermediate Framing Screw Package

Standard Includes	Required to Specify
<div>▶ Need help? Product details, page 22</div> <div>• Screw package</div>	Style number

Specification Information
<div>• Style Number</div> <div>.....</div>
FEPF01
.....

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
<ul style="list-style-type: none"> ▶ Need help? Product details, page 20 • Acoustic seal: plastic 	<ul style="list-style-type: none"> 1 Style number 2 Plastic color number for seal ▶ See <i>Surface Materials</i>, page 206.

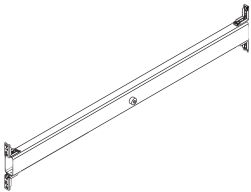
Specification Information		
Description	Style Number	For Use With
:	:	:

Post Acoustic Seal Packages		
145"H full-height post package	FEPVSS	FEPVS
or 72½"H partial-height post package	:	:
:	:	:

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 82	<ul style="list-style-type: none">• Beam• Width: 12" – 120"	<ul style="list-style-type: none">1 Style number2 Width
---	--	--

Specification Information

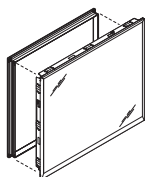
• Style
• Number
•
•

FEBSTR
•

Specifying Captured Glass Frames

Single Glazed Captured Glass Frame	120
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Single Side Captured Glass Frames—Side A and Side C	124
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Single Glazed Captured Glass Frame



Standard Includes		Required to Specify
► Need help? Product details, page 26	• Frame: paint or 8043 Clear Anodized Aluminum	1 Style number
	• Height: 12"–141.71654"	2 Height
	• Width: 12"–120"	3 Width
	• Glass: 1/4" thick	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 linear orientation, if 6558 Bamboo selected (see below under Required Selections)
		9 Glass surface orientation, if 6542 Satin or 6558 Bamboo selected (see below under Required Selections)
		10 Top mount type (see below under Required Selections)
		11 Bottom mount type (see below under Required Selections)
		► See <i>Surface Materials</i> , page 206.

Tip: 6555 Ice and 6558 Bamboo cannot be specified with a 3/8" glass thickness.

Tip: Glass linear orientation only required when 6558 Bamboo is selected.

Tip: Glass surface orientation only required when 6542 Satin or 6558 Bamboo are selected.

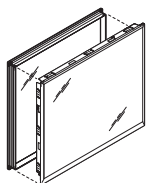
Required Selections		Required to Specify
Glass Thickness (if glass selected)	<ul style="list-style-type: none"> • 1/4" thick glass • 3/8" thick glass 	Specify with 1/4" thick glass. Specify with 3/8" thick glass.
Glass Linear Orientation (if 6558 Bamboo selected)	<ul style="list-style-type: none"> • Horizontal • Vertical 	Specify with horizontal. Specify with vertical.
Glass Surface Orientation (if 6542 Satin or 6558 Bamboo selected)	<ul style="list-style-type: none"> • Polished to flush • Polished to sill 	Specify with polished to flush. Specify with polished to sill.
Top Mount Type	<ul style="list-style-type: none"> • Ceiling • Intermediate 	Specify with ceiling mount. Specify with intermediate mount.
Bottom Mount Type	<ul style="list-style-type: none"> • Floor • Intermediate 	Specify with floor mount. Specify with intermediate mount.

Specification Information

• Style
• Number

FEFRCGS

Double Glazed Captured Glass Frame



Standard Includes		Required to Specify
► Need help? Product details, page 26	• Frame: paint or 8043 Clear Anodized Aluminum	1 Style number
	• Height: 12"–141.71654"	2 Height
	• Width: 12"–120"	3 Width
	• Glass: 1/4" thick	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 linear orientation for side A, if 6558 Bamboo selected (see below under Required Selections)
		11 Glass linear orientation for side C, if 6558 Bamboo selected (see below under Required Selections)
		12 Glass surface orientation for side A, if 6542 Satin or 6558 Bamboo selected (see below under Required Selections)
		13 Glass surface orientation for side C, if 6542 Satin or 6558 Bamboo selected (see below under Required Selections)
		14 Top mount type (see below under Required Selections)
		15 Bottom mount type (see below under Required Selections)
		► See <i>Surface Materials</i> , page 206.

Tip: 6555 Ice and 6558 Bamboo cannot be specified with a 3/8" glass thickness.

Required Selections	Required to Specify
Glass Thickness for Side A (if glass selected) <ul style="list-style-type: none"> • 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) <ul style="list-style-type: none"> • 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 Linear Orientation for Side A (if 6558 Bamboo selected) <ul style="list-style-type: none"> • Horizontal • Vertical 	Specify with glass A horizontal. Specify with glass A vertical.
Glass Linear Orientation for Side C (if 6558 Bamboo selected) <ul style="list-style-type: none"> • Horizontal • Vertical 	Specify with glass C horizontal. Specify with glass C vertical.

Tip: Glass linear orientation only required when 6558 Bamboo is selected.

► Required Selections, continued on next page

► Required Selections, continued from previous page

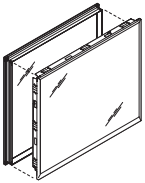
Tip: Glass surface orientation only required when 6542 Satin or 6558 Bamboo is selected.

Required Selections		Required to Specify
Glass Surface Orientation for Side A (if 6542 Satin or 6558 Bamboo selected)	<ul style="list-style-type: none"> 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 or 6558 Bamboo selected)	<ul style="list-style-type: none"> Polished to flush Polished to sill 	Specify with glass C polished to flush. Specify with glass C polished to sill.
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	Specify with ceiling mount. Specify with intermediate mount.
Bottom Mount Type	<ul style="list-style-type: none"> Floor Intermediate 	Specify with floor mount. Specify with intermediate mount.

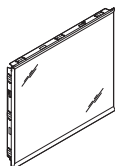
Specification Information

• Style
• Number

FEFRCGD



Single Side Captured Glass Frames—Side A and Side C



Standard Includes		Required to Specify
► Need help? Product details, page 26	• Frame: paint or 8043 Clear Anodized Aluminum	1 Style number
	• Height: 12"–141.71654"	2 Height
	• Width: 12"–120"	3 Width
	• Glass: 1/4" thick	4 Paint or anodized aluminum color number for frame
		5 Glass color number
		6 Glass thickness (see below under Required Selections)
		7 Glass linear orientation, if 6558 Bamboo selected (see below under Required Selections)
		8 Glass surface orientation, if 6542 Satin or 6558 Bamboo 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 <i>Surface Materials</i> , page 206.

Tip: 6555 Ice and 6558 Bamboo cannot be specified with a 3/8" glass thickness.

Tip: Glass linear orientation only required when 6558 Bamboo is selected.

Tip: Glass surface orientation only required when 6542 Satin or 6558 Bamboo 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 Linear Orientation (if 6558 Bamboo selected)	• Horizontal • Vertical	Specify with horizontal. Specify with vertical.
Glass Surface Orientation (if 6542 Satin or 6558 Bamboo 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

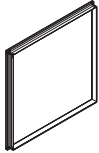
Side C Single Captured Glass Frame

FEFRCGC

Single Side Captured Glass Frames—Side B and Side D

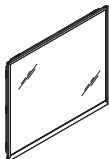
Single Side Captured
Glass Frames—
Side B and Side D

Single Side Captured Glass Frame—Side B



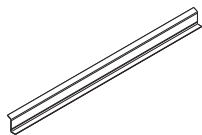
Standard Includes		Required to Specify
▶ Need help? Product details, page 26	<ul style="list-style-type: none">• Frame: paint or 8043 Clear Anodized Aluminum• Height: 12"–141.71654"• Width: 12"–120"	<ol style="list-style-type: none">1 Style number2 Height3 Width4 Paint or anodized aluminum color number for frame5 Top mount type (see below under Required Selections)6 Bottom mount type (see below under Required Selections) ▶ See <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Top Mount Type	<ul style="list-style-type: none">• Ceiling• Intermediate	Specify <i>with ceiling mount</i> . Specify <i>with intermediate mount</i> .
Bottom Mount Type	<ul style="list-style-type: none">• Floor• Intermediate	Specify <i>with floor mount</i> . Specify <i>with intermediate mount</i> .
Specification Information		
• Style Number		
FEFRCGB		

Single Side Captured Glass Frame—Side D



Standard Includes		Required to Specify
▶ Need help? Product details, page 26	<ul style="list-style-type: none">• Frame: paint or 8043 Clear Anodized Aluminum• Back-painted glass• Height: 12"–120"• Width: 12"–120"• Glass: 1/4" thick	<ol style="list-style-type: none">1 Style number2 Height3 Width4 Paint or anodized aluminum color number for frame5 Back-painted glass color number6 Top mount type (see below under Required Selections)7 Bottom mount type (see below under Required Selections) ▶ See <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Top Mount Type	<ul style="list-style-type: none">• Ceiling• Intermediate	Specify <i>with ceiling mount</i> . Specify <i>with intermediate mount</i> .
Bottom Mount Type	<ul style="list-style-type: none">• Floor• Intermediate	Specify <i>with floor mount</i> . Specify <i>with intermediate mount</i> .
Specification Information		
• Style Number		
FEFRCGBP		

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.

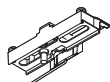
Standard Includes		Required to Specify
► Need help? Product details, page 26	• Seal	1 Style number 2 Seal length (see below under Required Selections)
Required Selections		Required to Specify
Seal Length	<ul style="list-style-type: none"> • 24" long seal • 48" long seal • 72" long seal • 96" long seal • 120" long seal 	Specify 24" seal. Specify 48" seal. Specify 72" seal. Specify 96" seal. Specify 120" seal.
Specification Information		
• Style Number		
•		
•		
FEFRCGSA		
•		

Brackets and T Nuts

For Use with Captured Glass Frames

Brackets and T Nuts

Locking Bracket



Standard Includes

- Locking bracket

Required to Specify

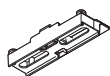
Style number

Specification Information

• Style Number

FEFHCGL

Non-Locking Bracket



Standard Includes

- Non-locking bracket

Required to Specify

Style number

Specification Information

• Style Number

FEFHCGL

Captured Glass
Frames

Load Bracket



Standard Includes

- Load bracket

Required to Specify


Style number

Specification Information

• Style Number

FEFHCGLB

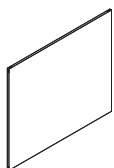
T Nuts

	Standard Includes	Required to Specify
	<ul style="list-style-type: none">T Nuts: package of 25	Style number
Specification Information		
<ul style="list-style-type: none">Style Number		
FEFHCGT		

Specifying Skins

Solid Steel Skin	130
Solid Veneer Skin	132
Solid Veneer Skin Set	134
Solid Laminate Skin	136
Ceramic Skin	138
Slatwall Skin and Hardware	139
Acoustic Products	141

Solid Steel Skin



Standard Includes		Required to Specify
► Need help? Product details, page 30	• Height: 6"–141.71654"	1 Style number
	• Width: 6"–120"	2 Height
	• Skin: paint or fabric	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 <i>Surface Materials</i> , page 206.

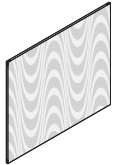
Required Selections		Required to Specify
Surface Materials	Skin surface	
	• Paint	Specify paint color number.
	• Fabric	Specify fabric color number.
	Fabric direction for fabric skins	
	• Horizontal application	Specify <i>with horizontal application</i> .
	• Vertical application	Specify <i>with vertical application</i> .
Top Mount Type	• Ceiling	Specify <i>with ceiling top mount</i> .
	• Intermediate	Specify <i>with intermediate top mount</i> .
Bottom Mount Type	• Floor	Specify <i>with floor bottom mount</i> .
	• Intermediate	Specify <i>with intermediate bottom mount</i> .
Cable Management	Cut-out count	
	• No holes	Specify <i>with no holes</i> .
	• One hole	Specify <i>with one hole</i> .
	• Two holes	Specify <i>with two holes</i> .
	• Three holes	Specify <i>with three holes</i> .
	• Four holes	Specify <i>with four holes</i> .
	• Five holes	Specify <i>with five holes</i> .
	• Six holes	Specify <i>with six holes</i> .
	• Seven holes	Specify <i>with seven holes</i> .
	• Eight holes	Specify <i>with eight holes</i> .
	• Nine holes	Specify <i>with nine holes</i> .
	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 <i>with hardwire single cut-out type for each applicable location</i> .
	• Hardwire double	Specify <i>with hardwire double cut-out type for each applicable location</i> .
	• Hardwire triple	Specify <i>with hardwire triple cut-out type for each applicable location</i> .
	• Hardwire fourplex	Specify <i>with hardwire fourplex cut-out type for each applicable location</i> .
	• Modular double	Specify <i>with modular double cut-out type for each applicable location</i> .
	• Communication only – modular	Specify <i>with communication only – modular cut-out type for each applicable location</i> .
	• Communication only – no box	Specify <i>with communication only – no box cut-out type for each applicable location</i> .

Specification Information

• Style
• Number

FESSS

Solid Veneer Skin



Standard Includes		Required to Specify
► Need help? Product details, page 30	<ul style="list-style-type: none"> 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 <i>Surface Materials</i> , page 206.

	Required Selections	Required to Specify
Surface Materials	Wood veneer <ul style="list-style-type: none"> Wood veneer Customiz stain 	Specify with <i>wood veneer</i> and indicate wood color number. Specify with <i>Customiz stain</i> .
	Wood grain direction for skins <ul style="list-style-type: none"> Horizontal application Vertical application 	Specify with <i>horizontal application</i> . Specify with <i>vertical application</i> .
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	Specify with <i>ceiling top mount</i> . Specify with <i>intermediate top mount</i> .
Bottom Mount Type	<ul style="list-style-type: none"> Floor Intermediate 	Specify with <i>floor bottom mount</i> . Specify with <i>intermediate bottom mount</i> .
Cable Management	Cut-out count <ul style="list-style-type: none"> No holes One hole Two holes Three holes Four holes Five holes Six holes Seven holes Eight holes Nine holes 	Specify with <i>no holes</i> . Specify with <i>one hole</i> . Specify with <i>two holes</i> . Specify with <i>three holes</i> . Specify with <i>four holes</i> . Specify with <i>five holes</i> . Specify with <i>six holes</i> . Specify with <i>seven holes</i> . Specify with <i>eight holes</i> . Specify with <i>nine holes</i> .
	Cut-out position, if cut-out(s) selected <ul style="list-style-type: none"> No holes Cut-out 1 location Cut-out 2 location Cut-out 3 location Cut-out 4 location Cut-out 5 location Cut-out 6 location Cut-out 7 location Cut-out 8 location Cut-out 9 location 	Specify with <i>no holes</i> . Specify <i>X and Y dimensions</i> for cut-out 1. Specify <i>X and Y dimensions</i> for cut-out 2. Specify <i>X and Y dimensions</i> for cut-out 3. Specify <i>X and Y dimensions</i> for cut-out 4. Specify <i>X and Y dimensions</i> for cut-out 5. Specify <i>X and Y dimensions</i> for cut-out 6. Specify <i>X and Y dimensions</i> for cut-out 7. Specify <i>X and Y dimensions</i> for cut-out 8. Specify <i>X and Y dimensions</i> for cut-out 9.

► Required Selections, continued on next page

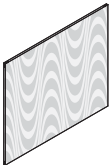
► Required Selections, continued from previous page

	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.

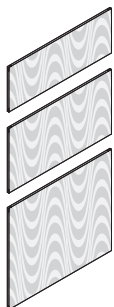
Specification Information

• Style
• Number

FESSV



Solid Veneer Skin Set



	Standard Includes	Required to Specify
► Need help? Product details, page 30	<ul style="list-style-type: none"> Two to five skins per skin set Height of each skin: 12"–118" Width of each skin: 12"–118" Skin: wood veneer 	<ol style="list-style-type: none"> Style number Overall skin set height Overall skin set width Wood veneer color for skin set Wood grain direction for skin sets (see below under Required Selections) Skin count Skin height for each skin in set Skin width for each skin in set Top mount type for each skin (see below under Required Selections) Bottom mount type for each skin (see below under Required Selections) Cut-out count (see below under Required Selections) Cut-out placement for each skin, if selected (see below under Required Selections) Cut-out type for each cut-out, if selected (see below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>

	Required Selections	Required to Specify
Surface Materials	Wood veneer <ul style="list-style-type: none"> Wood veneer Customiz stain Wood grain direction for skin sets <ul style="list-style-type: none"> Horizontal application (left to right) Vertical application (top to bottom) 	Specify with <i>wood veneer</i> and indicate wood color number. Specify with <i>Customiz stain</i> .
Skin Count	<ul style="list-style-type: none"> 2 Skins 3 Skins 4 Skins 5 Skins 	Specify with <i>2 skins</i> . Specify with <i>3 skins</i> . Specify with <i>4 skins</i> . Specify with <i>5 skins</i> .
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	Specify with <i>ceiling top mount</i> . Specify with <i>intermediate top mount</i> .
Bottom Mount Type	<ul style="list-style-type: none"> Floor Intermediate 	Specify with <i>floor bottom mount</i> . Specify with <i>intermediate bottom mount</i> .
Cable Management	Cut-out count <ul style="list-style-type: none"> No holes One hole Two holes Cut-out count placement, if cut-out(s) selected <ul style="list-style-type: none"> Skin 1 Skin 2 Skin 3 Skin 4 Skin 5 Cut-out position for each skin, if selected <ul style="list-style-type: none"> Cut-out 1 location Cut-out 2 location 	Specify with <i>no holes</i> . Specify with <i>one hole</i> . Specify with <i>two holes</i> . Specify <i>skin 1</i> . Specify <i>skin 2</i> . Specify <i>skin 3</i> . Specify <i>skin 4</i> . Specify <i>skin 5</i> . Specify X and Y dimensions for cut-out 1. Specify X and Y dimensions for cut-out 2.

► Required Selections, continued on next page

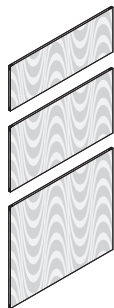
► Required Selections, continued from previous page

	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.

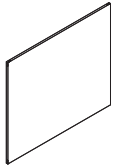
Specification Information

• Style
• Number

FESSVS



Solid Laminate Skin



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

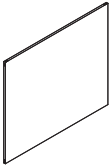
Standard Includes		Required to Specify
► Need help? Product details, page 30	<ul style="list-style-type: none"> Height: 6"–120" Width: 6"–120" Skin: Low-Pressure Laminate (LPL) or High-Pressure Laminate (HPL) 	1 Style number 2 Height 3 Width 4 Laminate color number for skin 5 Top mount type (see below 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 206.

Required Selections		Required to Specify
Surface Materials	Skin surface <ul style="list-style-type: none"> Laminate (Low-Pressure Laminate or High-Pressure Laminate) Open Line laminate 	Specify laminate color number. ► See <i>Surface Materials Reference Manual</i> .
	Wood grain direction for wood grain laminates <ul style="list-style-type: none"> Horizontal application Vertical application 	Specify <i>with horizontal application</i> . Specify <i>with vertical application</i> .
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	Specify <i>with ceiling top mount</i> . Specify <i>with intermediate top mount</i> .
Bottom Mount Type	<ul style="list-style-type: none"> Floor Intermediate 	Specify <i>with floor bottom mount</i> . Specify <i>with intermediate bottom mount</i> .
Cable Management	Cut-out count <ul style="list-style-type: none"> No holes One hole Two holes Three holes Four holes Five holes Six holes Seven holes Eight holes Nine holes 	Specify <i>with no holes</i> . Specify <i>with one hole</i> . Specify <i>with two holes</i> . Specify <i>with three holes</i> . Specify <i>with four holes</i> . Specify <i>with five holes</i> . Specify <i>with six holes</i> . Specify <i>with seven holes</i> . Specify <i>with eight holes</i> . Specify <i>with nine holes</i> .
	Cut-out position, if cut-out(s) selected <ul style="list-style-type: none"> Cut-out 1 location Cut-out 2 location Cut-out 3 location Cut-out 4 location Cut-out 5 location Cut-out 6 location Cut-out 7 location Cut-out 8 location Cut-out 9 location 	Specify X and Y dimensions for cut-out 1. Specify X and Y dimensions for cut-out 2. Specify X and Y dimensions for cut-out 3. Specify X and Y dimensions for cut-out 4. Specify X and Y dimensions for cut-out 5. Specify X and Y dimensions for cut-out 6. Specify X and Y dimensions for cut-out 7. Specify X and Y dimensions for cut-out 8. Specify X and Y dimensions for cut-out 9.

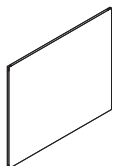
► Required Selections, continued on next page

	Required Selections	Required to Specify
Cable Management, continued	Cut-out type, if cut-out(s) selected <ul style="list-style-type: none"> • Hardwire single • Hardwire double • Hardwire triple • Hardwire fourplex • Modular double • Communication only – modular • Communication only – no box 	<p>Specify with <i>hardwire single cut-out type</i> for each applicable location.</p> <p>Specify with <i>hardwire double cut-out type</i> for each applicable location.</p> <p>Specify with <i>hardwire triple cut-out type</i> for each applicable location.</p> <p>Specify with <i>hardwire fourplex cut-out type</i> for each applicable location.</p> <p>Specify with <i>modular double cut-out type</i> for each applicable location.</p> <p>Specify with <i>communication only – modular cut-out type</i> for each applicable location.</p> <p>Specify with <i>communication only – no box cut-out type</i> for each applicable location.</p>

- **Style Number**

$$\vdots$$


Ceramic Skin



	Standard Includes	Required to Specify
► Need help? Product details, page 30	<ul style="list-style-type: none"> • Height: 24"–120" • Width: 24"–120" • Skin with ceramic markerboard surface • Trim: 4145 Milk Gloss paint only 	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)

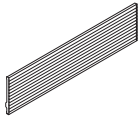
	Required Selections	Required to Specify
Top Mount Type	<ul style="list-style-type: none"> • Ceiling • Intermediate 	Specify <i>with ceiling top mount</i> . Specify <i>with intermediate top mount</i> .
Bottom Mount Type	<ul style="list-style-type: none"> • Floor • Intermediate 	Specify <i>with floor bottom mount</i> . Specify <i>with intermediate bottom mount</i> .

Specification Information

• **Style Number**

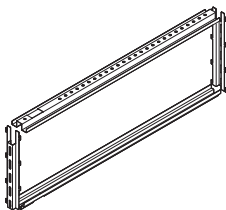
FESC

Slatwall Skin



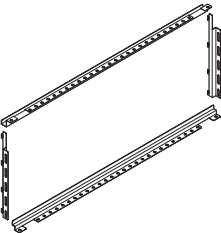
Standard Includes		Required to Specify
► Need help? Product details, page 33	<ul style="list-style-type: none"> Width: 24"–60" Slatwall skin: paint Top mount: intermediate only Bottom mount: intermediate only 	1 Style number 2 Height (see below under Required Selections) 3 Width 4 Paint color number for skin ► See <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Height	<ul style="list-style-type: none"> 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 33	<ul style="list-style-type: none"> Hardware package for mounting back-to-back slatwall skins 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	<ul style="list-style-type: none"> 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
-------------------	---------------------

- | | |
|---|---|
| <ul style="list-style-type: none">▶ Need help? Product details, page 33 | <ul style="list-style-type: none">• Hardware package for mounting slatwall skin to internal framing components• Width: 24"–60" |
| | <ul style="list-style-type: none">1 Style number2 Height (see below under Required Selections)3 Width |

Required Selections	Required to Specify
---------------------	---------------------

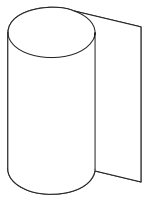
- | | |
|--|--|
| Height <ul style="list-style-type: none">• 6"• 12"• 18"• 24" | <ul style="list-style-type: none">Specify 6"H.Specify 12"H.Specify 18"H.Specify 24"H. |
|--|--|

Specification Information

• Style Number

FESHSS

Acoustic Insulation



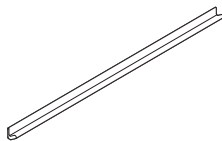
Standard Includes	Required to Specify
<div><div>► Need help? Product details, page 33</div><div>• One roll – 48" wide x 87 feet long x 2 layers (696 square feet)</div></div>	Style number

Specification Information

• Style
Number

FESIA

Acoustic Skin Seal



Standard Includes	Required to Specify
<div><div>► Need help? Product details, page 30</div><div>• Seal</div></div>	<div>1 Style number</div> <div>2 Seal length (see below under Required Selections)</div>

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

Specification Information

• Style
Number

FESSA

Specifying Reversible Swing Doors

Single Reversible Swing Door Frame	144
Single Reversible Solid Swing Door Leaf	145
Single Reversible Polished Edge Swing Door Leaf	146
Pair of Reversible Swing Door Frames	147
Pair of Reversible Solid Swing Door Leaves	148
Pair of Reversible Polished Edge Swing Door Leaves	149
Door Hardware	150

Single Reversible Swing Door Frame



Standard Includes		Required to Specify
► Need help? Product details, page 34	<ul style="list-style-type: none"> 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 	<ol style="list-style-type: none"> Style number Height Width Paint or anodized aluminum or paint color number for frame Satin stainless or polished chrome for hinges Top mount type (see below under Required Selections) Handedness (see below under Required Selections) Door type (see below under Required Selections) Roller latch (see below under Required Selections) Door hardware (see below under Required Selections) Strike plate (see below under Required Selections) Electrification (see below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>

Required Selections		Required to Specify
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	Specify with <i>ceiling mount</i> . Specify with <i>intermediate mount</i> .
Handedness	<ul style="list-style-type: none"> Right hand Left hand 	Specify with <i>right hand</i> . Specify with <i>left hand</i> .
Door Type	<ul style="list-style-type: none"> Solid Polished edge 	Specify with <i>solid</i> . Specify with <i>polished edge</i> .
Latch Prep	<ul style="list-style-type: none"> Cylindrical Ladder aligned Ladder offset Mortise Push/pull handles 	Specify with <i>cylindrical</i> . Specify with <i>ladder aligned</i> . Specify with <i>ladder offset</i> . Specify with <i>mortise</i> . Specify with <i>push/pull handles</i> .
Roller Latch (only if push/pull handles)	<ul style="list-style-type: none"> No roller latch Top roller latch 	Specify with <i>no roller latch</i> . Specify with <i>roller latch</i> .
Door Hardware (only if cylindrical or mortise)	<ul style="list-style-type: none"> Satin chrome Polished chrome 	Specify with <i>satin chrome</i> . Specify with <i>polished chrome</i> .
Strike Plate (if latch prep is mortise)	<ul style="list-style-type: none"> Type 1 Type 2 No strike plate 	Specify with <i>type 1</i> . Specify with <i>type 2</i> . Specify with <i>no strike plate</i> .
Electrification	<ul style="list-style-type: none"> No electric hinge For use with electric hinge 	Specify <i>no electrification</i> . Specify with <i>electrification</i> .

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

Single Reversible Solid
Swing Door Leaf



Standard Includes		Required to Specify
► Need help? Product details, page 34	<ul style="list-style-type: none"> Door leaf: paint or veneer Height: 82.44100"—123.71627" Width: 28"—44.445" 	<ol style="list-style-type: none"> Style number Height Width Paint or veneer color number for door leaf Acoustic seal (see below under Required Selections) Top mount type (see below under Required Selections) Latch prep (see below under Required Selections) Roller latch (see below under Required Selections) Door closer (see below under Required Selections) Door hardware (see below under Required Selections) Electrification (see below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>

	Required Selections	Required to Specify
Acoustic Seal	<ul style="list-style-type: none"> No seal Drop seal 	<p>Specify <i>with no seal</i>.</p> <p>Specify <i>with drop seal</i>.</p>
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	<p>Specify <i>with ceiling mount</i>.</p> <p>Specify <i>with intermediate mount</i>.</p>
Latch Prep	<ul style="list-style-type: none"> Cylindrical Ladder aligned Ladder offset Mortise Push/pull handles 	<p>Specify <i>with cylindrical</i>.</p> <p>Specify <i>with ladder aligned</i>.</p> <p>Specify <i>with ladder offset</i>.</p> <p>Specify <i>with mortise</i>.</p> <p>Specify <i>with push/pull handles</i>.</p>
Roller Latch (only if push/pull handles)	<ul style="list-style-type: none"> No roller latch (surface mounted door closer) Top roller latch (no door closer) 	<p>Specify <i>with no roller latch</i>.</p> <p>Specify <i>with roller latch</i>.</p>
Door Closer (only if mortise or cylindrical)	<ul style="list-style-type: none"> No door closer Surface mounted door closer 	<p>Specify <i>with no door closer</i>.</p> <p>Specify <i>with surface mounted door closer</i>.</p>
Door Hardware (only if cylindrical or mortise)	<ul style="list-style-type: none"> Satin chrome Polished chrome 	<p>Specify <i>with satin chrome</i>.</p> <p>Specify <i>with polished chrome</i>.</p>
Electrification	<ul style="list-style-type: none"> No electric hinge For use with electric hinge 	<p>Specify <i>no electrification</i>.</p> <p>Specify <i>with electrification</i>.</p>

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 : :

Reversible Swing
Doors

Single Reversible Polished Edge Swing Door Leaf



Standard Includes		Required to Specify
► Need help? Product details, page 34	<ul style="list-style-type: none"> Door leaf: polished edge glass Height: 82.44100"–123.71627" Width: 28"–44.445" 	<ol style="list-style-type: none"> Style number Height Width Glass number for door leaf Glass orientation (see below under Required Selections) Top mount type (see below under Required Selections) Handedness (see below under Required Selections) Latch prep (see below under Required Selections) Frame prep (see below under Required Selections) Door closer (see below under Required Selections) Door hardware (see below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>

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

	Required Selections	Required to Specify
Glass Orientation	<ul style="list-style-type: none"> Polished to inside Polished to outside 	<p>Specify <i>with polished to inside</i>.</p> <p>Specify <i>with polished to outside</i>.</p>
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	<p>Specify <i>with ceiling mount</i>.</p> <p>Specify <i>with intermediate mount</i>.</p>
Handedness	<ul style="list-style-type: none"> Right hand Left hand 	<p>Specify <i>with right hand</i>.</p> <p>Specify <i>with left hand</i>.</p>
Latch Prep	<ul style="list-style-type: none"> Cylindrical Ladder aligned Ladder offset Mortise Push/pull handles 	<p>Specify <i>with cylindrical</i>.</p> <p>Specify <i>with ladder aligned</i>.</p> <p>Specify <i>with ladder offset</i>.</p> <p>Specify <i>with mortise</i>.</p> <p>Specify <i>with push/pull handles</i>.</p>
Frame Prep (only if push/pull handles)	<ul style="list-style-type: none"> No roller latch (surface mounted door closer) Top roller latch (no door closer) 	<p>Specify <i>with no roller latch</i>.</p> <p>Specify <i>with roller latch</i>.</p>
Door Closer (only if mortise or cylindrical)	<ul style="list-style-type: none"> No door closer Surface mounted door closer 	<p>Specify <i>with no door closer</i>.</p> <p>Specify <i>with surface mounted door closer</i>.</p>
Door Hardware (only if mortise or cylindrical)	<ul style="list-style-type: none"> Satin chrome Polished chrome 	<p>Specify <i>with satin chrome</i>.</p> <p>Specify <i>with polished chrome</i>.</p>

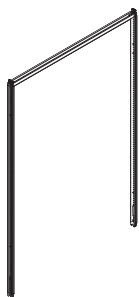
Specification Information

• Style
Number

FEDLSWPSR

Pair of Reversible Swing Door Frames

Pair of Reversible
Swing Door Frames



► Need help?
Product details,
page 34

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 206.

	Required Selections	Required to Specify
Acoustic Seal	<ul style="list-style-type: none"> • No seal • Drop seal • Vertical seal • Drop seal and vertical seal 	<p>Specify <i>with no seal</i>.</p> <p>Specify <i>with drop seal</i>.</p> <p>Specify <i>with vertical seal</i>.</p> <p>Specify <i>with drop and vertical seal</i>.</p>
Top Mount Type	<ul style="list-style-type: none"> • Ceiling • Intermediate 	<p>Specify <i>with ceiling mount</i>.</p> <p>Specify <i>with intermediate mount</i>.</p>
Handedness	<ul style="list-style-type: none"> • Right-hand active • Left-hand active • Both hands active 	<p>Specify <i>with right-hand</i>.</p> <p>Specify <i>with left-hand</i>.</p> <p>Specify <i>with both hands active</i>.</p>
Door Type	<ul style="list-style-type: none"> • Solid • Polished edge 	<p>Specify <i>with solid</i>.</p> <p>Specify <i>with polished edge</i>.</p>
Roller Latch	<ul style="list-style-type: none"> • No roller latch • Roller latch 	<p>Specify <i>with no roller latch</i>.</p> <p>Specify <i>with roller latch</i>.</p>
Door hardware	<ul style="list-style-type: none"> • Satin chrome • Polished chrome 	<p>Specify <i>with satin chrome</i>.</p> <p>Specify <i>with polished chrome</i>.</p>
Electrification	<ul style="list-style-type: none"> • No electric hinge • For use with electric hinge 	<p>Specify <i>with no electrification</i>.</p> <p>Specify <i>with electrification</i>.</p>

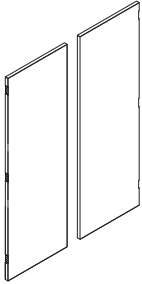
Specification Information

• **Style**
• **Number**
:

FEDFSWPR
:

Reversible Swing
Doors

Pair of Reversible Solid Swing Door Leaves



Standard Includes		Required to Specify
► Need help? Product details, page 34	<ul style="list-style-type: none"> Door leaf: paint or veneer Height: 82.44100"–123.71627" Width: 48"–80" 	<ol style="list-style-type: none"> Style number Height Width Active door width Paint or veneer color number for door leaves Acoustic seal (see below under Required Selections) Top mount type (see below under Required Selections) Handedness (see below under Required Selections) Latch prep (see below under Required Selections) Roller latch (see below under Required Selections) Door closer (see below under Required Selections) Electrification (see below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>

Required Selections		Required to Specify
Acoustic Seal	<ul style="list-style-type: none"> No seal Drop seal Vertical seal Drop seal and vertical seal 	<p>Specify <i>with no seal</i>.</p> <p>Specify <i>with drop seal</i>.</p> <p>Specify <i>with vertical seal</i>.</p> <p>Specify <i>with drop and vertical seal</i>.</p>
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	<p>Specify <i>with ceiling mount</i>.</p> <p>Specify <i>with intermediate mount</i>.</p>
Handedness	<ul style="list-style-type: none"> Right-hand active Left-hand active Both hands active 	<p>Specify <i>with right-hand</i>.</p> <p>Specify <i>with left-hand</i>.</p> <p>Specify <i>with both hands active</i>.</p>
Latch Prep	<ul style="list-style-type: none"> Cylindrical Ladder, aligned Ladder, offset Mortise No latch prep Push/pull handles 	<p>Specify <i>with cylindrical</i>.</p> <p>Specify <i>with ladder, aligned</i>.</p> <p>Specify <i>with ladder, offset</i>.</p> <p>Specify <i>with mortise</i>.</p> <p>Specify <i>with no latch prep</i>.</p> <p>Specify <i>with push/pull handles</i>.</p>
Roller Latch (only if ladder or no latch prep)	<ul style="list-style-type: none"> No roller latch Roller latch 	<p>Specify <i>with no roller latch</i>.</p> <p>Specify <i>with roller latch</i>.</p>
Door Closer	<ul style="list-style-type: none"> No door closer Surface mounted door closer 	<p>Specify <i>no door closer</i>.</p> <p>Specify <i>with surface mounted door closer</i>.</p>
Electrification	<ul style="list-style-type: none"> No electric hinge For use with electric lock For use with electric strike 	<p>Specify <i>with no electrification</i>.</p> <p>Specify <i>with electrification lock</i>.</p> <p>Specify <i>with electrification strike</i>.</p>

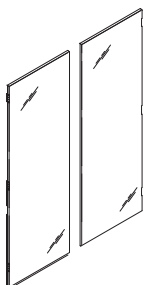
Specification Information

• **Style Number**

FEDLSWSPR

Pair of Reversible Polished Edge Swing Door Leaves

Pair of Reversible Polished
Edge Swing Door Leaves



Standard Includes		Required to Specify
► Need help? Product details, page 34	<ul style="list-style-type: none"> Door leaf: polished edge glass Height: 82.44100"–123.71627" Width: 48"–80" 	<ol style="list-style-type: none"> Style number Height Width Active door width Glass number for door leaf Glass orientation (see below under Required Selections) Top mount type (see below under Required Selections) Handedness (see below under Required Selections) Latch prep (see below under Required Selections) Roller latch (see below under Required Selections) Door closer (see below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>

	Required Selections	Required to Specify
Glass Orientation	<ul style="list-style-type: none"> Polished to inside Polished to outside 	<p>Specify <i>with polished to inside</i>.</p> <p>Specify <i>with polished to outside</i>.</p>
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	<ul style="list-style-type: none"> Specify <i>with ceiling mount</i>. Specify <i>with intermediate mount</i>.
Handedness	<ul style="list-style-type: none"> Both hands active 	<ul style="list-style-type: none"> Specify <i>with both hands active</i>.
Latch Prep	<ul style="list-style-type: none"> Ladder, aligned Ladder, offset Push/pull handles 	<p>Specify <i>with ladder, aligned</i>.</p> <p>Specify <i>with ladder, offset</i>.</p> <p>Specify <i>with push/pull handles</i>.</p>
Roller Latch	<ul style="list-style-type: none"> No roller latch Roller latch 	<ul style="list-style-type: none"> Specify <i>with no roller latch</i>. Specify <i>with roller latch</i>.
Door Closer	<ul style="list-style-type: none"> No door closer Surface mounted door closer 	<p>Specify <i>with no door closer</i>.</p> <p>Specify <i>with surface mounted door closer</i>.</p>

Specification Information

• **Style Number**

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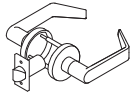
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FEDLSWPPR

Reversible Swing
Doors

Door Hardware

Cylindrical Latch Set



Standard Includes	Required to Specify
<p>► Need help? Product details, page 35</p> <ul style="list-style-type: none"> Cylindrical latch set 	<ol style="list-style-type: none"> Style number Hardware finish (see below under Required Selections) Latch prep (see below under Required Selections) Keying (see below under Required Selections)

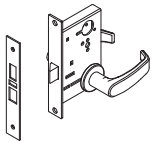
	Required Selections	Required to Specify
Hardware Finish	<ul style="list-style-type: none"> Satin chrome Polished chrome 	Specify <i>with satin chrome</i> . Specify <i>with polished chrome</i> .
Latch Prep	<ul style="list-style-type: none"> Passage Lockset 	Specify <i>with passage</i> . Specify <i>with lockset</i> .
Keying	<ul style="list-style-type: none"> Core, keyed random No core No key 	Specify <i>with core</i> . Specify <i>no core</i> . Specify <i>with no key</i> .

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
<p>► Need help? Product details, page 35</p> <ul style="list-style-type: none"> Mortise latch set 	<ol style="list-style-type: none"> Style number Hardware finish (see below under Required Selections) Latch prep (see below under Required Selections) Keying (see below under Required Selections)

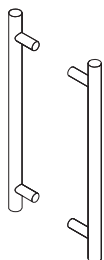
	Required Selections	Required to Specify
Hardware Finish	<ul style="list-style-type: none"> Satin chrome Polished chrome 	Specify <i>with satin chrome</i> . Specify <i>with polished chrome</i> .
Latch Prep	<ul style="list-style-type: none"> Passage Lockset 	Specify <i>with passage</i> . Specify <i>with lockset</i> .
Keying	<ul style="list-style-type: none"> Core, keyed random No cylinder No key 	Specify <i>with core</i> . Specify <i>with no cylinder</i> . Specify <i>with no key</i> .

Specification Information

• **Style Number**

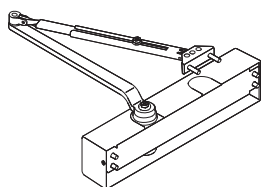
FEDMLO

Push/Pull Handle



Standard Includes		Required to Specify
► Need help? Product details, page 35	• Push/pull handle: 8031 Satin Stainless	Style number
Specification Information		
• Style Number		
FEDPPH		

Door Closer



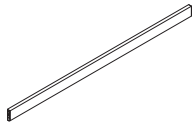
Standard Includes		Required to Specify
► Need help? Product details, page 36	• Surface mounted door closer: 4799 Platinum	1 Style number 2 Door type (see below under Required Selections)
Required Selections		Required to Specify
Door Type	• Solid • Polished edge	Specify <i>with solid</i> . Specify <i>with polished edge</i> .
Specification Information		
• Style Number		
FEDCLS		

Roller Latch



Standard Includes		Required to Specify
► Need help? Product details, page 36	• Roller latch: 8031 Satin Stainless	Style number
Specification Information		
• Style Number		
FEDRL		

Door Drop Seal



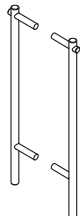
Standard Includes		Required to Specify
<p>► Need help? Product details, page 36</p>	<ul style="list-style-type: none"> Drop seal for reversible swing door Width: 28"–44.445" 	<p>1 Style number</p> <p>2 Width</p> <p>3 Door Type (See below under Required Selections)</p> <p>► See <i>Surface Materials</i>, page 206.</p>
Required Selections		Required to Specify
<p>Door Type</p> <ul style="list-style-type: none"> Solid Polished edge 		<p>Specify <i>with solid</i>.</p> <p>Specify <i>with polished edge</i>.</p>
Specification Information		
<p>• Style Number</p> <p>.....</p>		
<p>FEDDS</p> <p>.....</p>		

Electric Hinge



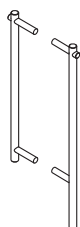
Standard Includes		Required to Specify
<p>► Need help? Product details, page 36</p>	<ul style="list-style-type: none"> One electric hinge with wire conductors 	<p>1 Style number</p> <p>2 Hardware finish (see below under Required Selections)</p>
Required Selections		Required to Specify
<p>Hardware Finish</p> <ul style="list-style-type: none"> Satin chrome Polished chrome 		<p>Specify <i>with satin chrome</i>.</p> <p>Specify <i>with polished chrome</i>.</p>
Specification Information		
<p>• Style Number</p> <p>.....</p>		
<p>FEDHE</p> <p>.....</p>		

Ladder Pull, Aligned



Standard Includes		Required to Specify
► Need help? Product details, page 35	• Ladder pull, aligned: 8031 Satin Stainless	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 <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Latch Prep	• Passage • Lockset	Specify <i>with passage</i> . Specify <i>with lockset</i> .
Keying	• Core, keyed random • No core • No key	Specify <i>with core</i> . Specify <i>with no core</i> . Specify <i>with no key</i> .
Door Type	• Solid • Polished edge	Specify <i>with solid</i> . Specify <i>with polished edge</i> .
Specification Information		
• Style Number		
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FEDLPA		
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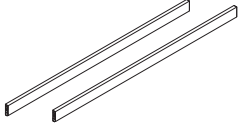
Ladder Pull, Offset



Standard Includes		Required to Specify
► Need help? Product details, page 35	• Ladder pull, offset: 8031 Satin Stainless	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 <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Latch Prep	• Passage • Lockset	Specify <i>with passage</i> . Specify <i>with lockset</i> .
Keying	• Core, keyed random • No core • No key	Specify <i>with core</i> . Specify <i>with no core</i> . Specify <i>with no key</i> .
Door Type	• Solid • Polished edge	Specify <i>with solid</i> . Specify <i>with polished edge</i> .
Specification Information		
• Style Number		
•		
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FEDLPO		
•		

Reversible Swing
Doors

Door Drop Seals



Standard Includes		Required to Specify
► Need help? Product details, page 36	• Pair of door drop seals: 8031 Satin Stainless	1 Style number
		2 Door type (See below under Required Selections)
		► See <i>Surface Materials</i> , page 206.

Required Selections		Required to Specify
Door Type	• Solid	Specify <i>with solid</i> .
	• Polished edge	Specify <i>with polished edge</i> .

Specification Information

• **Style Number**

FEDDSP

Flush Bolts



Standard Includes		Required to Specify
► Need help? Product details, page 37	• Pair of flush bolts: metal	1 Style number
		2 Hardware finish (See below under Required Selections)
		► See <i>Surface Materials</i> , page 206.

Required Selections		Required to Specify
Hardware Finish	• Satin chrome	Specify <i>with satin chrome</i> .
	• Polished chrome	Specify <i>with polished chrome</i> .

Specification Information

• **Style Number**

FEDFBP

Specifying Slider Doors

Single Surface Mounted Slider Door Frame	156
Single Surface Mounted Polished Edge Slider Door Leaf	157
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Reinforced Track for Pair of Surface Mounted Slider Doors	162
Slider Door Track Bracket	163

Single Surface Mounted Slider Door Frame



	Standard Includes	Required to Specify
► Need help? Product details, page 40	<ul style="list-style-type: none"> Door frame: paint or 8043 Clear Anodized Aluminum Height: 80.984"–120" Width: 38"–48" Door type: polished edge Tubular door pull 	<ol style="list-style-type: none"> Style number Height Width Paint or anodized aluminum color number for frame Top mount type (see below under Required Selections) Handedness (see below under Required Selections) Lock (see below under Required Selections) Pull (see below under Required Selections) Keying (see below under Required Selections) Lever (see below under Required Selections) Cylinder orientation (see below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>

	Required Selections	Required to Specify
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	Specify <i>with ceiling mount</i> . Specify <i>with intermediate mount</i> .
Handedness	<ul style="list-style-type: none"> Right hand Left hand 	Specify <i>with right hand</i> . Specify <i>with left hand</i> .
Lock	<ul style="list-style-type: none"> No lever lock Lever lock 	Specify <i>with no lock</i> . Specify <i>with lever lock</i> .
Pull	<ul style="list-style-type: none"> Push/pull Separate pull 	Specify <i>with push/pull</i> . Specify <i>with separate pull</i> .
Keying	<ul style="list-style-type: none"> No cylinder Core, keyed random 	Specify <i>with no cylinder</i> . Specify <i>with core</i> .
Lever	<ul style="list-style-type: none"> No lever Lever one 	Specify <i>with no lever</i> . Specify <i>with lever one</i> .
Cylinder Orientation	<ul style="list-style-type: none"> Key inside Key outside 	Specify <i>with key inside</i> . Specify <i>with key outside</i> .

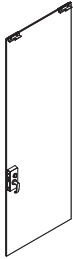
Specification Information

• **Style Number**

FEDFSLSM

Single Surface Mounted Polished Edge Slider Door Leaf

Single Surface Mounted
Polished Edge Slider
Door Leaf



Standard Includes		Required to Specify
► Need help? Product details, page 40	<ul style="list-style-type: none"> Door leaf: 1/2" thick polished edge glass Bottom trim: paint or 8043 Clear Anodized Aluminum Height: 80.984"–120" Width: 38"–48" 	<ol style="list-style-type: none"> Style number Height Width Glass color number for door leaf Paint or anodized aluminum color number for bottom trim Glass surface orientation (see below for Required Selections) Top mount type (see below for Required Selections) Handedness (see below for Required Selections) Latch prep (see below for Required Selections) Acoustic seal (see below for Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>

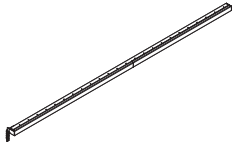
Required Selections		Required to Specify
Glass Surface Orientation	<ul style="list-style-type: none"> Polished to inside Polished to outside 	<p>Specify <i>with polished to inside</i>.</p> <p>Specify <i>with polished to outside</i>.</p>
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	<p>Specify <i>with ceiling mount</i>.</p> <p>Specify <i>with intermediate mount</i>.</p>
Handedness	<ul style="list-style-type: none"> Right hand Left hand 	<p>Specify <i>with right hand</i>.</p> <p>Specify <i>with left hand</i>.</p>
Latch Prep	<ul style="list-style-type: none"> Ladder aligned Ladder offset Lever lock Push/pull 	<p>Specify <i>with ladder aligned</i>.</p> <p>Specify <i>with ladder offset</i>.</p> <p>Specify <i>with lever lock</i>.</p> <p>Specify <i>with push/pull</i>.</p>
Acoustic Seal	<ul style="list-style-type: none"> No seal Drop seal 	<p>Specify <i>with no seal</i>.</p> <p>Specify <i>with drop seal</i>.</p>

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 40	• Door track: paint or 8043 Clear Anodized Aluminum	1 Style number
	• Width: 6"–144"	2 Width
	• Door type: polished edge	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 <i>Surface Materials</i> , page 206.

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

Required Selections		Required to Specify
Hardware	<ul style="list-style-type: none"> • No hardware • Hardware 	Specify <i>with no hardware</i> . Specify <i>with hardware</i> .
Handedness	<ul style="list-style-type: none"> • Right hand • Left hand 	Specify <i>with right hand</i> . Specify <i>with left hand</i> .
End Configuration, Left	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • No utility panel • Utility panel 	Specify <i>with no utility panel</i> . Specify <i>with utility panel</i> .
End Notch	<ul style="list-style-type: none"> • No notch • Left notch • Right notch • Both notch 	Specify no notch. Specify left notch. Specify right notch. Specify both notch.
Bracket Hole Count	<ul style="list-style-type: none"> • One hole • Two holes 	Specify <i>with one hole</i> . Specify <i>with two holes</i> .
Bracket Hole Location	<ul style="list-style-type: none"> • 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

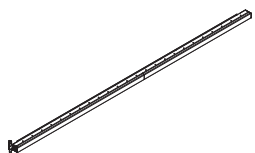
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FEDTSLSMB

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Reinforced Single Surface Mounted Slider Door Track

Reinforced Single Surface
Mounted Slider Door Track



	Standard Includes	Required to Specify
► Need help? Product details, page 40	<ul style="list-style-type: none"> Door track: paint or 8043 Clear Anodized Aluminum Width: 98.00001"–168" Door type: polished edge 	<ol style="list-style-type: none"> Style number Width Paint or anodized aluminum color number for door track Handedness (see below under Required Selections) End configuration left (see below under Required Selections) End configuration right (see below under Required Selections) Utility panel configuration (see below under Required Selections) Bracket hole location (see below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>

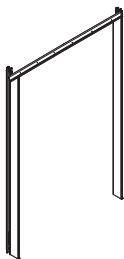
	Required Selections	Required to Specify
Handedness	<ul style="list-style-type: none"> Right hand Left hand 	Specify <i>with right hand</i> . Specify <i>with left hand</i> .
End Configuration, Left	<ul style="list-style-type: none"> Actual 	Specify actual.
End Configuration, Right	<ul style="list-style-type: none"> Actual 	Specify actual.
Utility Panel	<ul style="list-style-type: none"> No utility panel Utility panel 	Specify <i>with no utility panel</i> . Specify <i>with utility panel</i> .
Bracket Hole Location	<ul style="list-style-type: none"> Hole one location 	Specify X dimension for hole one.

Specification Information

• Style
• Number

FEDTSLSMR

Frame for Pair of Surface Mounted Slider Doors



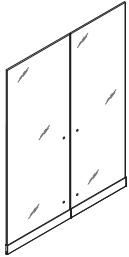
Standard Includes		Required to Specify
▶ Need help? Product details, page 40	• Door frame: paint or 8043 Clear Anodized Aluminum	1 Style number
	• Height: 80.984"—120"	2 Height
	• Width: 60"—80"	3 Width
	• Door type: polished edge	4 Paint or anodized aluminum color number for frame
		5 Top mount type (see below under Required Selections)
		▶ See <i>Surface Materials</i> , page 206.

	Required Selections	Required to Specify
Top Mount Type	<ul style="list-style-type: none">• Ceiling• Intermediate	<i>Specify with ceiling mount.</i> <i>Specify with intermediate mount.</i>

Specification Information	
• Style Number	
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FEDFSLPM	
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Pair of Surface Mounted Polished Edge Slider Door Leaves

Pair of Surface Mounted
Polished Edge Slider Door
Leaves

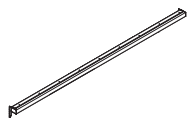


Standard Includes		Required to Specify
► Need help? Product details, page 40	<ul style="list-style-type: none"> Door leaf: 1/2" thick polished edge glass Bottom trim: paint or 8043 Clear Anodized Aluminum Height: 80.984" - 120" Width: 60" - 80" 	1 Style number 2 Height 3 Width 4 Glass color number for 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 <i>Surface Materials</i> , page 206.

Required Selections		Required to Specify
Glass Surface Orientation	<ul style="list-style-type: none"> Polished to inside Polished to outside 	Specify <i>with polished to inside</i> . Specify <i>with polished to outside</i> .
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	Specify <i>with ceiling mount</i> . Specify <i>with intermediate mount</i> .
Latch Prep	<ul style="list-style-type: none"> Passage Lockset 	Specify <i>with passage</i> . Specify <i>with lockset</i> .

Specification Information	
• Style Number	
FEDLSLPPM	

Reinforced Track for Pair of Surface Mounted Slider Doors



	Standard Includes	Required to Specify
► Need help? Product details, page 40	<ul style="list-style-type: none"> 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 <i>Surface Materials</i> , page 206.

	Required Selections	Required to Specify
End Configuration, Left	<ul style="list-style-type: none"> Actual 	Specify <i>actual</i> .
End Configuration, Right	<ul style="list-style-type: none"> Actual 	Specify <i>actual</i> .
Bracket Hole Location	<ul style="list-style-type: none"> Hole one location Hole two location 	Specify X dimension for hole one. Specify X dimension for hole two.

Specification Information
• Style Number : : : FEDTSLPMR : :

Standard Includes		Required to Specify
► Need help? Product details, page 42	<ul style="list-style-type: none"> 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 <i>Surface Materials</i> , page 206.

	Required Selections	Required to Specify
Top Mount Type	<ul style="list-style-type: none"> Ceiling Intermediate 	Specify <i>with ceiling mount</i> . Specify <i>with intermediate mount</i> .
Bracket Type	<ul style="list-style-type: none"> L at left L at right T at center 	Specify <i>with L at left</i> . Specify <i>with L at right</i> . Specify <i>with T at center</i> .

Specification Information

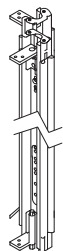
• **Style Number**

FEDTSLB

Specifying Intersections—Junctions and Adapters

Two-Way Fixed Angle Junction Assembly	166
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Junction Covers, Trim, Hardware, and Seals	170
90° T/X Adapter and Finished End	177

Two-Way Fixed Angle Junction Assembly



Standard Includes		Required to Specify
► Need help? Product details, page 57	<ul style="list-style-type: none"> • 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 <i>Surface Materials</i> , page 206.

Required Selections		Required to Specify
Fixed Angles	<ul style="list-style-type: none"> • 90° • 120° • 135° • 180° 	Specify <i>with 90° angle.</i> Specify <i>with 120° angle.</i> Specify <i>with 135° angle.</i> Specify <i>with 180° angle.</i>
Horizontal Hole Cut-Out	Horizontal Hole <ul style="list-style-type: none"> • 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 <i>with no holes.</i> Specify <i>Y dimension for hole 1.</i> Specify <i>Y dimension for hole 2.</i> Specify <i>Y dimension for hole 3.</i> Specify <i>Y dimension for hole 4.</i> Specify <i>Y dimension for hole 5.</i> Specify <i>Y dimension for hole 6.</i> Specify <i>Y dimension for hole 7.</i> Specify <i>Y dimension for hole 8.</i> Specify <i>Y dimension for hole 9.</i> Specify <i>Y dimension for hole 10.</i> Specify <i>Y dimension for hole 11.</i>

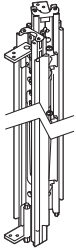
Specification Information

• **Style**
• **Number**

FEIJA2F

Two-Way Variable Angle Junction Assembly

Two-Way Variable Angle Junction Assembly



Standard Includes

► Need help?
Product details,
page 57

- Junction assembly
- Height: 80"–144"
- Seal: plastic

Required to Specify

- 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 206.

Required Selections

Angle

- 91°–119°
- 121°–134°
- 136°–179°

Required to Specify

Specify angle in 1° increment.
Specify angle in 1° increment.
Specify angle in 1° increment.

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**

FEIJA2V

Three-Way Junction Assembly



Standard Includes		Required to Specify
► Need help? Product details, page 57	<ul style="list-style-type: none"> • 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 <i>Surface Materials</i> , page 206.

Required Selections		Required to Specify
Angle	<ul style="list-style-type: none"> • 90° • 120° • 135° 	Specify with 90° angle. Specify with 120° angle. Specify with 135° angle.
Horizontal Hole Cut-Out	Horizontal Hole <ul style="list-style-type: none"> • 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

Four-Way Junction Assembly



Standard Includes

- Need help?
Product details,
page 57
- Junction assembly
 - Height: 80"–144"
 - Seal: plastic

Required to Specify

- 1 Style number
 - 2 Height
 - 3 Plastic color number for seal
 - 4 Horizontal hole cut-out (see below under Required Selections)
- See *Surface Materials*, page 206.

Required Selections

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

Required to Specify

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**

FEIJA4

Junction Covers, Trim, Hardware, and Seals

Inner Junction Cover



Standard Includes		Required to Specify
► Need help? Product details, page 56	<ul style="list-style-type: none"> 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 <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Fixed Angles	<ul style="list-style-type: none"> 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 56	<ul style="list-style-type: none"> 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 <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Variable Angles	<ul style="list-style-type: none"> 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 56	<ul style="list-style-type: none"> Junction trim: paint Height: 77.71654"–141.71654" 	1 Style number 2 Paint color number for trim 3 Height ► See <i>Surface Materials</i> , page 206.
Specification Information		
• Style Number		
FEI90T		

Outer Junction Cover



Standard Includes		Required to Specify
► Need help? Product details, page 56	<ul style="list-style-type: none"> 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 <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Fixed Angles	<ul style="list-style-type: none"> 90° 120° 135° 180° 	Specify <i>with 90° angle</i> . Specify <i>with 120° angle</i> . Specify <i>with 135° angle</i> . Specify <i>with 180° angle</i> .
Bottom Alignment (for 180° cover)	<ul style="list-style-type: none"> To the skin To the floor 	Specify <i>with to the skin</i> . Specify <i>with to the floor</i> .
Specification Information		
• Style Number		
FEIJCO		

Variable Angle Outer Junction Cover



Standard Includes		Required to Specify
► Need help? Product details, page 58	<ul style="list-style-type: none"> • Junction cover: paint • Height: 77.71654"–141.71654" • Seal 	1 Style number 2 Paint color number for cover 3 Height 4 Angle (see below under Required Selections) ► See <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Variable Angles	<ul style="list-style-type: none"> • 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 : : : FEIJCOV : :		

Bypass Outer Junction Cover



Standard Includes		Required to Specify
► Need help? Product details, page 60	<ul style="list-style-type: none"> • Junction cover: paint or 8043 Clear Anodized Aluminum • Height: 77.71654"–141.71654" • Bottom alignment: to the skin 	1 Style number 2 Paint or anodized aluminum color number for cover 3 Height ► See <i>Surface Materials</i> , page 206.
Specification Information		
Style Number : : : FEIJCOB : :		

Two-Way Junction Hardware



Standard Includes		Required to Specify
► Need help? Product details, page 56	<ul style="list-style-type: none"> • Hardware • Height: 80"–144" 	1 Style number 2 Height 3 Angle (see below under Required Selections)
Required Selections		Required to Specify
Fixed Angles	<ul style="list-style-type: none"> • 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 56	<ul style="list-style-type: none"> • Hardware • Height: 80"–144" 	1 Style number 2 Height 3 Angle (see below under Required Selections)
Required Selections		Required to Specify
Variable Angles	<ul style="list-style-type: none"> • 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 56	<ul style="list-style-type: none"> • Hardware • Height: 80"–144" 	1 Style number 2 Height 3 Angle (see below under Required Selections)
Required Selections		Required to Specify
Fixed Angles	<ul style="list-style-type: none"> • 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 56	<ul style="list-style-type: none"> • Hardware • Height: 80"–144" 	1 Style number 2 Height
Specification Information		
• Style Number		
FEIJH4		

Two-Way Bypass Junction Hardware



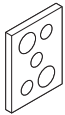
Standard Includes	Required to Specify
<ul style="list-style-type: none"> ▶ Need help? Product details, page 56 • Hardware • Height: 80"–144" 	<ul style="list-style-type: none"> 1 Style number 2 Height

Specification Information

• **Style
Number**

FEIJHB

Junction Nut Plate



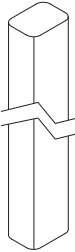
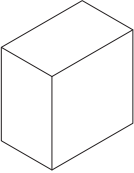
Standard Includes	Required to Specify
<ul style="list-style-type: none"> ▶ Need help? Product details, page 56 • Nut plate 	<ul style="list-style-type: none"> Style number

Specification Information

• **Style
Number**

FEIJNP

Junction Seals

	Standard Includes		Required to Specify
	► Need help? Product details, page 56	• 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 and
Finished End

90° T/X Adapter



Standard Includes		Required to Specify
► Need help? Product details, page 56	<ul style="list-style-type: none"> 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 <i>Surface Materials</i> , page 206.

Required Selections		Required to Specify
Bottom Alignment	<ul style="list-style-type: none"> To the skin To the floor 	Specify <i>with to the skin</i> . Specify <i>with to the floor</i> .

Specification Information

• **Style Number**

FEIA

Finished End



Standard Includes		Required to Specify
► Need help? Product details, page 56	<ul style="list-style-type: none"> 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 <i>Surface Materials</i> , page 206.

Specification Information

• **Style Number**

FEIFE

Specifying Mini Ends

90° Adjustable Mini End and Mini End Cover	180
Door Frame/Mini End Hardware Kit	181

90° Adjustable Mini End and Mini End Cover

90° Adjustable Mini End



Standard Includes		Required to Specify
► Need help? Product details, page 62	• Telescoping mini end: paint or 8043 Clear Anodized Aluminum	1 Style number
	• Height: 80"–144"	2 Paint or anodized aluminum color number for mini end
		3 Height
		4 Width (see below under Required Selections)
		► See <i>Surface Materials</i> , page 206.

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

Specification Information

• **Style Number**

FEEAM

Mini End Cover



Standard Includes		Required to Specify
► Need help? Product details, page 62	• Cover: paint or 8043 Clear Anodized Aluminum	1 Style number
	• Height: 77.71654"–141.71654"	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 <i>Surface Materials</i> , page 206.

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

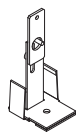
Specification Information

• **Style Number**

FEEAMC

Door Frame/Mini End Hardware Kit

Door Frame/Mini End
Hardware Kit



Standard Includes		Required to Specify
▶ Need help? Product details, page 62	• Hardware kit: paint	1 Style number 2 Paint color number for kit ▶ See <i>Surface Materials</i> , page 206.

Specification Information
• Style
• Number
•
•
FEEHDM
•
•

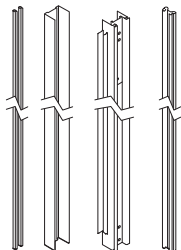
Mini Ends

Specifying Cutable Ends

90° Cutable End Assembly	184
90° Cutable End Inner Channel	184
90° Cutable End Outer Channel	185
Cutable End Capture Trim	185
Cutable End Corner Angle	186
Cutable End Elbow	186

Cutable Ends

90° Cutable End Assembly



Standard Includes	Required to Specify
<ul style="list-style-type: none"> ▶ Need help? Product details, page 65 • Cutable end assembly: paint • Height: 80"–144" • Seal: plastic 	<ul style="list-style-type: none"> 1 Style number 2 Paint color number for cutable end assembly 3 Plastic color number for seal 4 Height ▶ See <i>Surface Materials</i>, page 206.

Specification Information

• **Style Number**

FEECEA

90° Cutable End Inner Channel



Standard Includes	Required to Specify
<ul style="list-style-type: none"> ▶ Need help? Product details, page 64 • Cutable end inner channel: paint 	<ul style="list-style-type: none"> 1 Style number 2 Paint color number for cutable end assembly 3 Length (see below under Required Selections) ▶ See <i>Surface Materials</i>, page 206.

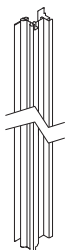
Required Selections	Required to Specify
Length <ul style="list-style-type: none"> • 48" • 120" • 144" 	<ul style="list-style-type: none"> Specify 48" long. Specify 120" long. Specify 144" long.

Specification Information

• **Style Number**

FEECEI

90° Cutable End Outer Channel



Standard Includes		Required to Specify
▶ Need help? Product details, page 64	<ul style="list-style-type: none"> Cutable end outer channel Seal: plastic 	1 Style number 2 Length (see below under Required Selections) 3 Plastic color number for seal
Required Selections		Required to Specify
Length	<ul style="list-style-type: none"> 48" 120" 144" 	Specify 48" long. Specify 120" long. Specify 144" long.
Specification Information		
Style Number . . .		
FEECEO . .		

Cutable Ends

Cutable End Capture Trim



Standard Includes		Required to Specify
▶ Need help? Product details, page 64	<ul style="list-style-type: none"> Cutable end capture trim: paint Height: 12.1"–144" 	1 Style number 2 Paint color number for capture trim 3 Height ▶ See <i>Surface Materials</i> , page 206.
Specification Information		
Style Number . . .		
FEECECT . .		

Cutable End Corner Angle



Standard Includes		Required to Specify
► Need help? Product details, page 64	• Cutable end corner angle	Style number
Specification Information		
• Style Number		
FEECEAI		

Cutable End Elbow



Standard Includes		Required to Specify
► Need help? Product details, page 64	• Cutable end elbow	1 Style number 2 Miter configuration (see below under Required Selections)
Required Selections		Required to Specify
Miter Configuration	• Inside corner • Outside corner	Specify <i>with inside corner</i> . Specify <i>with outside corner</i> .
Specification Information		
• Style Number		
FEECEEEO		

Specifying Electrical Components

Receptacles and Power Block	188
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Utility Panel Cover	195

Receptacles and Power Block

Receptacle



15 amp



20 amp

Standard Includes		Required to Specify
▶ Need help? Product details, page 68	• 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)
		▶ See <i>Surface Materials</i> , page 206.

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

Specification Information	
• Style	
• Number	
• FEPRC	

USB Receptacle



Standard Includes	Required to Specify
<p>► Need help? Product details, page 68</p> <ul style="list-style-type: none"> USB receptacle: plastic 	<ul style="list-style-type: none"> 1 Style number 2 Plastic color number for receptacle 3 Wiring schematic (see below under Required Selections) 4 Line (see below under Required Selections) <p>► See <i>Surface Materials</i>, page 206.</p>

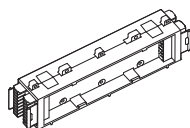
Required Selections	Required to Specify
<p>Wiring Schematic</p> <ul style="list-style-type: none"> 3+1 2+2 3SN 	<p>Specify <i>with 3+1</i>. Specify <i>with 2+2</i>. Specify <i>with 3SN</i>.</p>
<p>Line</p> <ul style="list-style-type: none"> Line 1 Line 2 Line 3 Line 4 	<p>Specify <i>with line 1</i>. Specify <i>with line 2</i>. Specify <i>with line 3</i>. Specify <i>with line 4</i>.</p>

Specification Information

• **Style Number**

FEPRCUSB

Power Block



Standard Includes	Required to Specify
<p>► Need help? Product details, page 68</p> <ul style="list-style-type: none"> Power block 	<ul style="list-style-type: none"> 1 Style number 2 Wire schematic (see below under Required Selections)

Required Selections	Required to Specify
<p>Wiring Schematic</p> <ul style="list-style-type: none"> 3+1 2+2 3SN 	<p>Specify <i>with 3+1</i>. Specify <i>with 2+2</i>. Specify <i>with 3SN</i>.</p>

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 68	• Receptacle trim: plastic	1 Style number 2 Plastic color number for receptacle trim 3 Cut-out type (see below under Required Selections) ► See <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Cut-out Type	• Power • Communications	Specify <i>with power cut-out</i> . Specify <i>with communications cut-out</i> .
Specification Information		
• Style Number		
• FEPRCT		

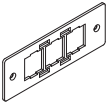
Blank Cut-Out Cover



Standard Includes		Required to Specify
► Need help? Product details, page 68	• Cover cut-out: plastic	1 Style number 2 Plastic color number for cut-out cover 3 Cut-out type (see below under Required Selections) 4 Wiring schematic, if selected (see below under Required Selections) ► See <i>Surface Materials</i> , page 206.
Required Selections		Required to Specify
Cut-Out Type	• Power • Communications	Specify <i>with power cut-out</i> . Specify <i>with communications cut-out</i> .
Wiring Schematic	• 3+1 • 2+2 • 3SN • No wiring configuration	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> . Specify <i>with no wiring configuration</i> .
Specification Information		
• Style Number		
• FEPCCB		

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

Modular Communication Faceplate



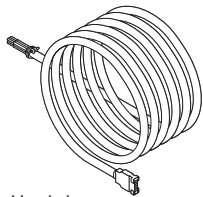
Standard Includes		Required to Specify
▶ Need help? Product details, page 66	• Modular communication faceplate: plastic	1 Style number 2 Plastic color number for modular communication faceplate 3 Faceplate configuration type (see below under Required Selections) ▶ See <i>Surface Materials</i> , page 206.

Required Selections		Required to Specify
Faceplate Configuration Type	• RJ45 x 3 • RJ45 + VGA	Specify <i>with RJ45 x 3</i> . Specify <i>with RJ45 + VGA</i> .

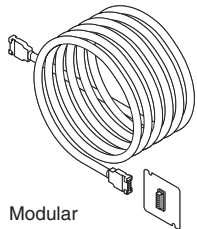
Specification Information	
• Style Number	
• FEPFPC	

Multipurpose Infeed and Power Block Connector

Multipurpose Infeed



Hardwire



Modular

Standard Includes		Required to Specify
<p>► Need help? Product details, page 67</p>	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 3+1 • 2+2 • 3SN 	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> .
Building Connection Type	<ul style="list-style-type: none"> • Hardwire • Modular 	Specify <i>with hardwire</i> . Specify <i>with modular infeed</i> .
Specification Information		
Style Number		
FEPIMP		

Power Block Connector

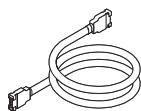


Standard Includes		Required to Specify
<p>► Need help? Product details, page 68</p>	<ul style="list-style-type: none"> • Power block connector 	1 Style number 2 Wiring schematic (see below under Required Selections)
Required Selections		Required to Specify
Wiring Schematic	<ul style="list-style-type: none"> • 3+1 • 2+2 • 3SN 	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> .
Specification Information		
Style Number		
FEPBC		

Modular Harness and Harness-to-Harness Branching Connector

Modular Harness and
Harness-to-Harness
Branching Connector

Modular Harness



Standard Includes		Required to Specify
► Need help? Product details, page 66	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 36" long 72" long 144" long 	Specify <i>with 36" harness</i> . Specify <i>with 72" harness</i> . Specify <i>with 144" harness</i> .
Wiring Schematic	<ul style="list-style-type: none"> 3+1 2+2 3SN 	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> .
Specification Information		
• Style Number . . .		
FEPHN . .		

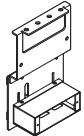
Harness-to-Harness Branching Connector



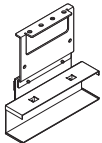
Standard Includes		Required to Specify
► Need help? Product details, page 66	<ul style="list-style-type: none"> Connector 	1 Style number 2 Wiring schematic (see below under Required Selections)
Required Selections		Required to Specify
Wiring Schematic	<ul style="list-style-type: none"> 3+1 2+2 3SN 	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> .
Specification Information		
• Style Number . . .		
FEPHNC . .		

Electrical Mounting Brackets

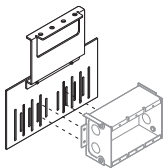
Electrical Mounting Bracket – Skin



Data



Modular



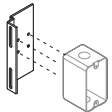
Hardwire

Tip: Hardwire boxes are not included with bracket.

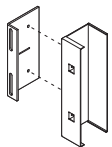
► See page 69 for a list of compatible electrical boxes.

Standard Includes		Required to Specify
► Need help? Product details, page 66	<ul style="list-style-type: none"> Bracket 	1 Style number 2 Device type (see below under Required Selections)
Required Selections		Required to Specify
Device Type	<ul style="list-style-type: none"> Hardwire ADA hardwire Modular Modular hardwire Modular communication ADA modular communication 	Specify <i>with hardwire</i> . Specify <i>with ADA hardwire</i> . Specify <i>with modular</i> . Specify <i>with modular hardwire</i> . Specify <i>with communication</i> . Specify <i>with ADA modular communication</i> .
Specification Information		
Style Number		
FEPMBES		

Electrical Mounting Bracket – Utility Panel



Hardwire box

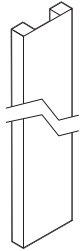


Modular power block

Tip: Hardwire boxes are not included with bracket.

► See page 69 for a list of compatible electrical boxes.

Standard Includes		Required to Specify
► Need help? Product details, page 66	<ul style="list-style-type: none"> Bracket 	1 Style number 2 Device type (see below under Required Selections)
Required Selections		Required to Specify
Device Type	<ul style="list-style-type: none"> Hardwire shallow Hardwire deep Modular 	Specify <i>with hardwire shallow</i> . Specify <i>with hardwire deep</i> . Specify <i>with modular</i> .
Specification Information		
Style Number		
FEPMBEU		



Standard Includes		Required to Specify
► Need help? Product details, page 69	• Cover: paint or 8043 Clear Anodized Aluminum	1 Style number
	• Height: 77.71654"–141.71654"	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 <i>Surface Materials</i> , page 206.

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

Specification Information

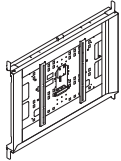
• **Style Number**

FEUPC

Specifying Technology Components

Single Monitor Shroud	198
Double Monitor Shroud	199
Camera Shelf for Monitor Shroud	200

Single Monitor Shroud



	Standard Includes	Required to Specify
► Need help? Product details, page 74	<ul style="list-style-type: none"> • 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 <i>Surface Materials</i> , page 206.

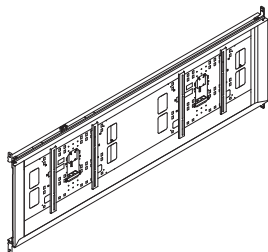
	Required Selections	Required to Specify
Width	<ul style="list-style-type: none"> • 34.5" • 42" • 48" • 54" • 60" • 63.5" • 70" • 80" • 89" 	Specify 34.5". Specify 42". Specify 48". Specify 54". Specify 60". Specify 63.5". Specify 70". Specify 80". Specify 89".
Building Connection Type	<ul style="list-style-type: none"> • Hardwire • Modular 	Specify <i>with hardwire</i> . Specify <i>with modular</i> .
Wiring Schematic	<ul style="list-style-type: none"> • 3+1 • 2+2 • 3SN 	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> .

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

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

Tip: The 65" (63.5"W x 39.178"H) monitor shroud should be specified for the Microsoft Surface Hub 55".

Specification Information
Style Number : : : FEMSS : : :



Standard Includes	Required to Specify
<ul style="list-style-type: none"> ▶ Need help? Product details, page 75 • Frame: paint or 8043 Clear Anodized Aluminum • Seal: plastic • Power assembly 	<ol style="list-style-type: none"> 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) <p>▶ See <i>Surface Materials</i>, page 206.</p>

Required Selections	Required to Specify
Width <ul style="list-style-type: none"> • 96" • 103" • 120" 	Specify 96". Specify 103". Specify 120".
Building Connection Type <ul style="list-style-type: none"> • Hardwire • Modular 	Specify <i>with hardwire</i> . Specify <i>with modular</i> .
Wiring Schematic <ul style="list-style-type: none"> • 3+1 • 2+2 • 3SN 	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> .

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 74	• Frame: paint	1 Style number 2 Paint color number for frame ▶ See <i>Surface Materials</i> , page 206.

Specification Information	
• Style	
• Number	
• FEMSCS	

Specifying Hang-On Components

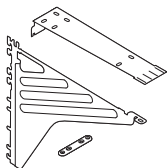
Universal Systems Worksurface Supports

202

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
<ul style="list-style-type: none"> ▶ Need help? Product details, page 83 • One cantilever: paint • Tie plate • Attachment hardware 	<ul style="list-style-type: none"> 1 Style number 2 Paint color number for cantilever ▶ See <i>Surface Materials</i>, page 206.

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
<ul style="list-style-type: none"> ▶ Need help? Product details, page 83 • Pair of handed side support brackets: black paint only • Attachment hardware 	<ul style="list-style-type: none"> Style number

Specification Information

• **Style**
• **Number**

VUSSBR

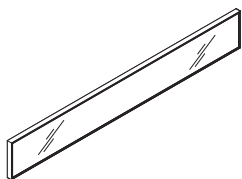
Specifying Lighting

Ambient LED Light and LED Driver

204

Ambient LED Light and LED Driver

Ambient LED Light



	Standard Includes	Required to Specify
► Need help? Product details, page 100	<ul style="list-style-type: none"> 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 <i>Surface Materials</i> , page 206.

Specification Information

• **Style Number**

FELLA

LED Driver



	Standard Includes	Required to Specify
► Need help? Product details, page 101	<ul style="list-style-type: none"> LED driver 	Style number

Specification Information

• **Style Number**

FELPS

Surface Materials

Surface Materials	206
Pleasing Match—Veneer	210
Paint Color and Anodized Aluminum Availability Matrix	211

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 211 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

Paint

Tip: All products may not be available in all colors listed below.

► See page 211 for an overview of the paint colors available on each component.

Price Group 1

Smooth Paint

- 4242 Milk
- 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
- 7360 Merle

Price Group 2

Smooth Metallic Paint

- 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

Fiber Laminate

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

Micro Laminate

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

Metallic Laminate

- 2503 Brushed Silver

Patina Laminate

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

Solid Laminate

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

Speckle Laminate

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

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

Woodgrain Laminate

- 2406 Clear Cherry
- 2409 Clear Maple
- 2410 Graphite Walnut
- 2412 Natural Cherry
- 2422 Medium Cherry
- 2511 Winter on Maple
- 2535 Virginia Walnut
- 2536 Blackwood
- 2538 Clear Walnut
- 2539 Warm Oak
- 2592 Blonde on Maple
- 2612 Marbled Maple
- 2614 Chocolate Walnut
- 2615 Marbled Cherry
- 2714 Natural Walnut
- 2772 Medium Mahogany on Walnut **E**
- 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

Select Surfaces

High-Pressure Laminate

Textured Woodgrain Laminate

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

Low-Pressure Laminate

Fiber Laminate

- 2L50 Vanadium Fiber LPL
- 2L52 Tungsten Fiber LPL

Metallic Laminate

- 2L03 Brushed Silver LPL

Solid Laminate

- 247L Black V2 LPL
- 275L Warm White LPL **E**
- 2L30 Arctic White LPL
- 2L83 Seagull LPL
- 2L84 Milk LPL
- 2L85 Dune LPL
- 2LMG Merle LPL

Woodgrain Laminate

- 246L Mahogany LPL
- 24L0 Graphite Walnut LPL
- 25L1 Winter on Maple LPL
- 25L5 Virginia Walnut LPL
- 25L6 Blackwood LPL
- 25L8 Clear Walnut LPL
- 25L9 Warm Oak LPL **E**
- 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

Tip: Only Low-Pressure Laminate is available on Laminate Skin Sets.

E = Established

Plastic**Steelcase Surfaces**

Applies to:

- Ceiling Track
- Post
- Structural Horizontals
- Intermediate Horizontals
- Cutable Ends
- Seals
- Receptacles
- Receptacle Trim
- Modular Communication Faceplate
- Blank Cut-Out Cover
- Single Monitor Shroud
- Double Monitor Shroud

- 6009 Arctic White
- 6249 Platinum Solid
- 6527 Merle
- 6B03 Red (receptacles only)

Applies to:

- Laminate Skins

- 6000 Black
- 6001 Coffee
- 6009 Arctic White
- 6034 Natural Cherry
- 6036 Medium Cherry
- 6037 Winter on Maple
- 6038 Blonde on Maple
- 6041 Natural Walnut
- 6045 Medium Mahogany on Walnut
- 6052 Milk
- 6053 Seagull
- 6213 Acacia
- 6219 Clear Oak
- 6231 Graphite Walnut
- 6234 Clear Cherry
- 6237 Clear Maple
- 6242 Virginia Walnut
- 6243 Blackwood
- 6245 Clear Walnut
- 6246 Warm Oak
- 6249 Platinum Solid
- 6527 Merle
- 6615 Grey V5
- 6619 Ice
- 6631 Cream
- 6635 Dawn
- 6636 Mist
- 6654 Sand
- 6655 Warm White
- 6676 Marbled Maple
- 6677 Chocolate Walnut
- 6678 Marbled Cherry
- 6689 Brushed Silver
- 6703 Ash Wenge
- 6704 Storm Wenge
- 6705 Bisque Wenge
- 6706 Clay Wenge
- 6707 Ash Noce
- 6708 Bisque Noce
- 6709 Clay Noce
- 6710 Storm Noce

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.

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

Price Group 4

- 6555 Ice
- 6558 Bamboo

Price Group 6

- 6553 Wisp

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
- 6581 Blue Jay
- 6582 Wasabi
- 6583 Rose
- 6584 Tangerine
- 6585 Fuchsia
- 6586 Citrus Green
- 6587 Gold
- 6588 Purple Berry
- 6589 Mercury
- 6590 Black
- 6591 Merle
- 6592 Asphalt
- 6593 Greyscale
- 6594 Tan
- 6595 Winter

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

Applies to:

- Solid Steel Skins

Steelcase Surfaces**Price Group 1****Abacus E**

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

Boccie

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

Buzz2

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

Charm

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

Embrasure E

- P140 Colonnade
- P141 Rotunda
- P143 Baluster

Optic

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

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**Amiranté E**

- 5664 Mink
- 5665 Ivory
- 5666 Silver Frost
- 5677 Moonglo
- 5679 Woodbine

Ashanti Reverse E

- 5654 Quince

Bariolage

- G200 New Etude
- G201 New Andante
- G202 New Cantata
- G203 New Adagio
- G204 New Melody
- G205 New Ballata
- G206 New Sonata

Bouquet E

- P165 Hosta
- P166 Dundee
- P169 Argenta
- P170 Hoya
- P173 Camomile

Cogent: Geode Vertical E

- 5S38 Oyster
- 5S41 Sesame

Flip: Plain Jane

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

Fresco

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

Latch

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

Milano ^E

- N002 Delft
- N003 Woodland
- N004 Sunshadow
- N005 Olivin
- N012 Teakwood

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

Veneer

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

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

Veneer

Price Group 1

Flat-cut open-pore finish choices

- 3062 FC/OP Graphite Walnut
- 3402 FC/OP Clear Cherry (Aged)
- 3412 FC/OP Natural Cherry ^E
- 3422 FC/OP Medium Cherry
- 3522 FC/OP Clear Maple*
- 3572 FC/OP Amber on Maple ^E
- 3582 FC/OP Winter on Maple
- 3592 FC/OP Blonde on Maple
- 3702 FC/OP Clear Walnut
- 3712 FC/OP Natural Walnut
- 3722 FC/OP Dark Mahogany on Walnut
- 3752 FC/OP Medium Walnut
- 3762 FC/OP Dark Walnut
- 3772 FC/OP Medium Mahogany on Walnut

Quarter-cut open-pore finish choices

- 3042 QC/OP Ash*
- 3222 QC/OP Clear Maple*
- 3272 QC/OP Amber on Maple ^E
- 3292 QC/OP Blonde on Maple

Rift-cut open-pore finish choices

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

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

Steelcase Surfaces

Composite Veneer

Composite veneers are an engineered wood intended to create specific grain patterns and characteristics. They are pre-stained and finished with Steelcase's Clarity water-borne UV topcoat, which protects the environment while providing durability and clarity. Only open-pore finishes are available on composite wood. Composite veneer and matching edge bands are available on most Steelcase brand products. Composites, for 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.

Flat-cut open-pore finish choices

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

Quarter-cut open-pore finish choices

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

Select Surfaces

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

Natural Veneer

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

The following finishes are available through the natural veneer offering:

Wood Group 1

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

Wood Group 2

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

Wood Group 3

- 36A2 RC/OP Volcanic Oak

Planked Veneer

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

The following finishes are available through the planked veneer offering:

Wood Group 1

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

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

^E = Established

Steelcase Surfaces

Premium Veneers

A selection of Premium veneers in this collection are available on most Steelcase brand products. The collection will be available as close to standard leadtimes as possible. However, because adequate supplies of veneer and solids must be secured, all orders will be scheduled individually. Leadtimes will vary based on Premium veneer and Premium solids availability at the time the order is placed. The collection is Graded-In as Wood Group 2 and Wood Group 3, and is 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 2

- 3032 Dark Thin Line Bamboo
- 3052 Ribbon Sapele

Wood Group 3

- 3832 Figured Anegre
- 3842 Figured Makore

Tip: Full-fill finish is not available on Premium veneers as a standard. To ensure an understanding of the color ranges and characteristic variations of natural veneer, a sign-off sheet is required prior to orders being accepted for the clear-coat finish. The sign-off sheet is available through Steelcase advertising stock. Please use form 09-0000755 for 3032, form number 09-0000757 for 3052, form number 09-0000758 for 3832, and form number 09-0000759 for 3842.

Custom Surfaces

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

A \$500 stain-matching fee applies on 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.

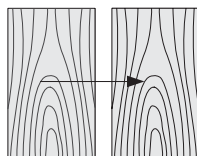
Customiz stain takes 10 days to formulate. Consult the *Surface Materials Reference Manual* for more information. Custom veneers are also available and must be quoted by Steelcase specials group. Customiz stain on custom veneers takes 2 to 4 weeks to formulate.

Requirements and information on ordering a Customiz stain color are found in the *Surface Materials Reference Manual*.

Pleasing Match—Veneer

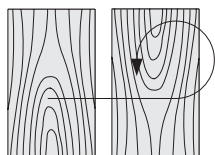
To help minimize the potential visual differences in grain pattern when applying veneer skins, Steelcase uses a randomly matched veneer configuration known as pleasing match.

The pleasing match veneer configuration is used on V.I.A. veneer skins and veneer doors.



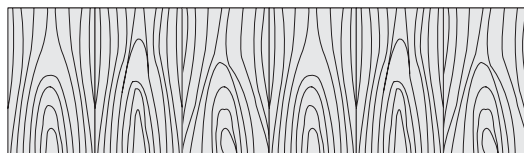
Slip Matching

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

Paint Color and Anodized
Aluminum Availability Matrix

Surface Materials

	Paint Price Group 1 (Smooth)						Paint Price Group 1 (Texture)						Paint Price Group 2 (Metallic)													
	4242 Milk	4843 Linen	4844 Glacier	4849 Vapor	4858 Seagull	4859 Silk	7190 Platinum Solid	7207 Black	7225 Sand	7236 Fog ^E	7237 Slate ^E	7238 Fieldstone	7239 Midnight	7241 Arctic White	7243 Seagull	7360 Merle	4743 Mineral Metallic	4744 Pearl Metallic	4750 Champagne Metallic	4752 Steel Metallic ^E	4788 Gold Dust Metallic ^E	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 Degree 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	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	•	■	■	■

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.

Legend

- = Not available
- = Available
- ^E = Established

Resources

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Resources

Style Number Index

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FEDLSWPSR	146	Sgl Rvrsble Polished Edge Swing Dr Leaf
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V.I.A.

Price List

Availability

Electronic price list updated with release 184.G (U.S.) and 148.G (Canada), dated August 21, 2017.

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 <http://www.steelcase.com/en/resources/design/spec-guides/pages/specguides.aspx>.

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

Canadian factor can be found at steelcase.com/CADpricing.

Calculate in the following order to avoid rounding errors:

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

Structural Frame Components

Post

► Page 106 of the V.I.A. Specification Guide.

• Style Number	• Height	• U.S. Price	
		Per Post	Per Inch
FEPVS	15"–48"	\$211.15	+\$0.19
	48.00001"–120"	\$218.33	+\$0.19
	120.00001"–144"	\$232.68	+\$0.48

Required Selections	U.S. Price
Top Mount Type:	
• Ceiling	No cost
• Intermediate	No cost
Horizontal Hole Count:	
• No Holes	No cost
• Hole 1	No cost
• Hole 2	No cost
• Hole 3	No cost
• Hole 4	No cost
• Hole 5	No cost
• Hole 6	No cost
• Hole 7	No cost
• Hole 8	No cost
• Hole 9	No cost
• Hole 10	No cost
• Hole 11	No cost

Structural Horizontal

► Page 107 of the V.I.A. Specification Guide.

• Style Number	• Width	• U.S. Price	
		Per Horizontal	Per Inch
FERHS	6"–48"	\$34.85	+\$0.39
	48.00001"–96"	\$51.25	+\$0.71
	96.00001"–120"	\$86.10	+\$0.24

Intermediate Horizontal

► Page 107 of the V.I.A. Specification Guide.

• Style Number	• Width	• U.S. Price	
		Per Horizontal	Per Inch
FERHI	6"–60"	\$ 51.25	+\$1.00
	60.00001"–96"	\$ 73.80	+\$1.19
	96.00001"–120"	\$153.75	+\$0.43

Required Selections	U.S. Price
Vertical Hole Count:	
• No Holes	No cost
• Hole 1	No cost
• Hole 2	No cost
• Hole 3	No cost
• Hole 4	No cost
• Hole 5	No cost
• Hole 6	No cost
• Hole 7	No cost
• Hole 8	No cost
• Hole 9	No cost
• Hole 10	No cost
• Hole 11	No cost

Straight Ceiling Track

► Page 108 of the V.I.A. Specification Guide.

• Style Number	• U.S. Base Price
FECTS	\$73.80

Required Selections	U.S. Price
Length:	
• 120"	No cost
• 144"	+\$ 5.13

Options	U.S. Price
Surface Materials:	
• Paint price group 1	No cost
• Paint price group 2	+\$15.38
• Paint price group 3	+\$23.58



For Canadian Pricing

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

► See page 1 for details.

Corner Fixed Angle Ceiling Track▶ Page 108 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Base • Price
---------------------	-----------------------------

FECTF	\$77.00
--------------	---------

Required Selections U.S. Price**Fixed Angles:**

• 90°	No cost
• 120°	No cost
• 135°	No cost

Options U.S. Price**Surface Materials:**

• Paint price group 1	No cost
• Paint price group 2	+\$15.00
• Paint price group 3	+\$23.00

Corner Variable Angle Ceiling Track▶ Page 109 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Base • Price
---------------------	-----------------------------

FECTV	\$102.00
--------------	----------

Required Selections U.S. Price**Angle:**

• 91–119°	No cost
• 121–134°	No cost
• 136–179°	No cost

Options U.S. Price**Surface Materials:**

• Paint price group 1	No cost
• Paint price group 2	+\$ 5.00
• Paint price group 3	+\$10.00

Ceiling Fastener▶ Page 110 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Price
---------------------	-------------------

FECF	\$12.00
-------------	---------

Required Selections U.S. Price**Fastener Type:**

• 1"W exposed T	No cost
• 9/16"W exposed T	No cost
• 1/4" Donn Fineline	No cost
• 1/8" Donn Fineline	No cost
• 1" fluted runner 1/4–20	No cost
• 1" tegular	No cost
• 9/16" tegular	No cost

T/X Ceiling Track Bracket▶ Page 110 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Price
---------------------	-------------------

FECTB	\$8.00
--------------	--------

Straight Base Trim▶ Page 111 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Base • Price
---------------------	-----------------------------

FEBTS	\$33.00
--------------	---------

Required Selections U.S. Price**Length:**

• 120"	No cost
• 144"	+\$ 7.00

Options U.S. Price**Surface Materials:**

• Paint price group 1	No cost
• Paint price group 2	+\$15.00
• Paint price group 3	+\$23.00

**For Canadian Pricing**

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

▶ See page 1 for details.

Structural Frame Components, continued

Corner Fixed Angle Base Trim▶ Page 111 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Base • Price
FEBTF	\$44.08
•	•

Required Selections U.S. Price**Fixed Angles:**

• 90°	No cost
• 120°	No cost
• 135°	No cost

Corner Type:

• Inner	No cost
• Outer	No cost

Options U.S. Price**Surface Materials:**

• Paint price group 1	No cost
• Paint price group 2	+\$15.38
• Paint price group 3	+\$23.58

Corner Variable Angle Base Trim▶ Page 112 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Base • Price
FEBTV	\$52.28
•	•

Required Selections U.S. Price**Angle:**

• 91–119°	No cost
• 121–134°	No cost
• 136–179°	No cost

Corner Type:

• Inner	No cost
• Outer	No cost

Options U.S. Price**Surface Materials:**

• Paint price group 1	No cost
• Paint price group 2	+\$ 5.13
• Paint price group 3	+\$10.25

Floor Track▶ Page 113 of the *V.I.A. Specification Guide*.

• Style • Number	• Length	• U.S. • Base • Price	• Per • Track	• Per • Inch
FEFT	6"–96"	\$19.03		+\$0.19
•	•	•	•	•
•	96.00001"–120"	\$44.17		+\$0.07
•	•	•	•	•

Options U.S. Price**Surface Materials:**

• Paint price group 1	No cost
• Paint price group 2	+\$15.38
• Paint price group 3	+\$23.58

Floor Track Spring▶ Page 113 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Price
FEFTS	\$8.20
•	•

Floor Guide▶ Page 114 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Base • Price
FEFG	\$24.60
•	•

Required Selections U.S. Price**Gripper:**

• Simple	No cost
• Seismic	+\$12.30

**For Canadian Pricing**

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

▶ See page 1 for details.

Short Post Leveler Bracket

▶ Page 115 of the V.I.A. Specification Guide.

• Style Number	• U.S. Price
FEPLBS	\$15.38
.	.

Post and Beam Attachment Kit

▶ Page 116 of the V.I.A. Specification Guide.

• Style Number	• U.S. Price
FEPBK	\$231.65
.	.

Intermediate Framing Screw Package

▶ Page 116 of the V.I.A. Specification Guide.

• Style Number	• U.S. Price
FEPF01	\$0.67
.	.

Post Acoustic Seal Package

▶ Page 117 of the V.I.A. Specification Guide.

• Style Number	• U.S. Base Price
FEPVSS	\$27.68
.	.

Required Selections	U.S. Price
Height:	
• 72.5"	No cost
• 145"	+\$7.38

Intermediate Horizontal Acoustic Seal

▶ Page 117 of the V.I.A. Specification Guide.

• Style Number	• U.S. Base Price
FERHIS	\$16.40
.	.

Required Selections	U.S. Price
Width:	
• 24"	No cost
• 48"	+\$ 3.28
• 72"	+\$ 6.56
• 96"	+\$ 9.84
• 120"	+\$13.12

Structural Horizontal Acoustic Seal

▶ Page 117 of the V.I.A. Specification Guide.

• Style Number	• U.S. Base Price
FERHSS	\$16.40
.	.

Required Selections	U.S. Price
Width:	
• 24"	No cost
• 48"	+\$ 3.28
• 72"	+\$ 6.56
• 96"	+\$ 9.84
• 120"	+\$13.12

Structural Beam

▶ Page 118 of the V.I.A. Specification Guide.

• Style Number	• Length	• U.S. Base Price	
.	.	Per Track	Per Inch
FEBSTR	12"–120"	\$179.38	+\$2.95
.	.	.	.

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

▶ See page 1 for details.

Captured Glass Frames

Single Glazed Captured Glass Frame

► Page 120 of the V.I.A. Specification Guide.

Style Number	Square Foot (sq/ft)	U.S. Base Price	
		Per Frame	Per sq/ft
FEFRCGS	1.00000"—12.00000"	\$178.01	+\$57.85
	12.00001"—30.00000"	\$478.91	+\$17.48
	30.00001"—50.00000"	\$216.16	+\$28.75

Required Selections U.S. Price

Glass Thickness (3/8" thick glass):

(Note: 1/4" thick glass = No cost)

	Per Frame	Per sq/ft
• Glass price group 1	N.A.	+\$14.13
• Glass price group 2	N.A.	+\$ 4.43
• Glass price group 3	N.A.	+\$18.86
• Glass price group 4	N.A.	+\$15.09
• Glass price group 6	N.A.	+\$15.09

Glass Linear Orientation:

• Horizontal	No cost	N.A.
• Vertical	No cost	N.A.

Glass Surface Orientation:

• Polished to flush	No cost	N.A.
• Polished to sill	No cost	N.A.

Top Mount Type:

• Ceiling	No cost	N.A.
• Intermediate	No cost	N.A.

Bottom Mount Type:

• Floor	No cost	N.A.
• Intermediate	No cost	N.A.

Options U.S. Price

Surface Materials:

Frames	Per frame	Per sq/ft
• Anodized	No cost	+\$ 0.73
• Paint price group 1	No cost	No cost
• Paint price group 2	No cost	+\$ 0.85
• Paint price group 3	No cost	+\$ 1.51
• Glass price group 1	No cost	No cost
• Glass price group 2	No cost	+\$17.99
• Glass price group 3	No cost	+\$21.42
• Glass price group 4	No cost	+\$34.36
• Glass price group 6	No cost	+\$67.68

Double Glazed Captured Glass Frame

► Page 122 of the V.I.A. Specification Guide.

Style Number	Square Foot (sq/ft)	U.S. Base Price	
		Per Frame	Per sq/ft
FEFRCGD	1.00000"—12.00000"	\$616.58	+\$31.37
	12.00001"—30.00000"	\$695.98	+\$22.92
	30.00001"—50.00000"	\$367.98	+\$41.57

Required Selections U.S. Price

Glass Thickness (3/8" thick glass) (Side A):

(Note: 1/4" thick glass = No cost)

	Per Frame	Per sq/ft
• Glass price group 1	N.A.	+\$14.13
• Glass price group 2	N.A.	+\$ 4.43
• Glass price group 3	N.A.	+\$18.86
• Glass price group 4	N.A.	+\$15.09
• Glass price group 6	N.A.	+\$15.09

Glass Thickness (3/8" thick glass) (Side C):

(Note: 1/4" thick glass = No cost)

• Glass price group 1	N.A.	+\$14.13
• Glass price group 2	N.A.	+\$ 4.43
• Glass price group 3	N.A.	+\$18.86
• Glass price group 4	N.A.	+\$15.09
• Glass price group 6	N.A.	+\$15.09

Glass Linear Orientation (Side A):

• Horizontal	No cost	N.A.
• Vertical	No cost	N.A.

Glass Linear Orientation (Side C):

• Horizontal	No cost	N.A.
• Vertical	No cost	N.A.

Glass Surface Orientation (Side A):

• Polished to flush	No cost	N.A.
• Polished to sill	No cost	N.A.

Glass Surface Orientation (Side C):

• Polished to flush	No cost	N.A.
• Polished to sill	No cost	N.A.

Top Mount Type:

• Ceiling	No cost	N.A.
• Intermediate	No cost	N.A.

► Double Glazed Captured Glass Frame, continued on next page



For Canadian Pricing

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

► See page 1 for details.

► Double Glazed Captured Glass Frame, continued from previous page

Required Selections		U.S. Price	
Bottom Mount Type:		Per Frame	Per sq/ft
• Floor		No cost	N.A.
• Intermediate		No cost	N.A.

Options		U.S. Price	
Surface Materials:			
Frames		Per Frame	Per sq/ft
• Anodized		No cost	+\$ 0.73
• Paint price group 1		No cost	No cost
• Paint price group 2		No cost	+\$ 0.85
• Paint price group 3		No cost	+\$ 1.51
• Glass price group 1		No cost	No cost
• Glass price group 2		No cost	+\$17.99
• Glass price group 3		No cost	+\$21.42
• Glass price group 4		No cost	+\$34.36
• Glass price group 6		No cost	+\$67.68

Side A Single Captured Glass Frame

► Page 124 of the V.I.A. Specification Guide.

Style Number	Square Foot (sq/ft)	U.S. Base Price	
		Per Frame	Per sq/ft
FEFRCGA	1.00000"—12.00000"	\$111.61	+\$31.61
	12.00001"—30.00000"	\$318.52	+\$ 9.04
	30.00001"—50.00000"	\$146.79	+\$18.93

Required Selections		U.S. Price	
Glass Thickness (3/8" thick glass):			
(Note: 1/4" thick glass = No cost)		Per Frame	Per sq/ft
• Glass price group 1		N.A.	+\$14.13
• Glass price group 2		N.A.	+\$ 4.43
• Glass price group 3		N.A.	+\$18.86
• Glass price group 4		N.A.	+\$15.09
• Glass price group 6		N.A.	+\$15.09
Glass Linear Orientation:			
• Horizontal		No cost	N.A.
• Vertical		No cost	N.A.
Glass Surface Orientation:			
• Polished to flush		No cost	N.A.
• Polished to sill		No cost	N.A.
Top Mount Type:			
• Ceiling		No cost	N.A.
• Intermediate		No cost	N.A.
Bottom Mount Type:			
• Floor		No cost	N.A.
• Intermediate		No cost	N.A.

Options		U.S. Price	
Surface Materials:			
Frames		Per frame	Per sq/ft
• Anodized		N.A.	+\$ 0.73
• Paint price group 1		N.A.	No cost
• Paint price group 2		N.A.	+\$ 0.85
• Paint price group 3		N.A.	+\$ 1.51
• Glass price group 1		N.A.	No cost
• Glass price group 2		N.A.	+\$17.99
• Glass price group 3		N.A.	+\$21.42
• Glass price group 4		N.A.	+\$34.36
• Glass price group 6		N.A.	+\$67.68

**For Canadian Pricing**

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

► See page 1 for details.

Captured Glass Frames, continued

Side C Single Captured Glass Frame

▶ Page 124 of the V.I.A. Specification Guide.

• Style Number	• Square Foot (sq/ft)	• U.S. Base Price	
		Per Frame	Per sq/ft
FEFRCGC	1.00000"—12.00000"	\$443.47	+\$ 7.32
	12.00001"—30.00000"	\$377.46	+\$13.88
	30.00001"—50.00000"	\$221.18	+\$22.64

Required Selections U.S. Price**Glass Thickness (3/8" thick glass):**

(Note: 1/4" thick glass = No cost)

	Per Frame	Per sq/ft
• Glass price group 1	N.A.	+\$14.13
• Glass price group 2	N.A.	+\$ 4.43
• Glass price group 3	N.A.	+\$18.86
• Glass price group 4	N.A.	+\$15.09
• Glass price group 6	N.A.	+\$15.09

Glass Linear Orientation:

• Horizontal	No cost	N.A.
• Vertical	No cost	N.A.

Glass Surface Orientation:

• Polished to flush	No cost	N.A.
• Polished to sill	No cost	N.A.

Top Mount Type:

• Ceiling	No cost	N.A.
• Intermediate	No cost	N.A.

Bottom Mount Type:

• Floor	No cost	N.A.
• Intermediate	No cost	N.A.

Options U.S. Price**Surface Materials:**

Frames	Per frame	Per sq/ft
• Anodized	N.A.	+\$ 0.73
• Paint price group 1	N.A.	No cost
• Paint price group 2	N.A.	+\$ 0.85
• Paint price group 3	N.A.	+\$ 1.51
• Glass 1	N.A.	No cost
• Glass 2	N.A.	+\$17.99
• Glass 3	N.A.	+\$21.42
• Glass 4	N.A.	+\$34.36
• Glass 6	N.A.	+\$67.68

Side B Single Captured Glass Frame

▶ Page 125 of the V.I.A. Specification Guide.

• Style Number	• Square Foot (sq/ft)	• U.S. Base Price	
		Per Frame	Per sq/ft
FEFRCGB	1.00000"—12.00000"	\$ 66.40	+\$26.24
	12.00001"—30.00000"	\$318.52	+\$ 8.44
	30.00001"—50.00000"	\$ 69.37	+\$ 9.81

Required Selections U.S. Price**Top Mount Type:**

• Ceiling	No cost
• Intermediate	No cost

Bottom Mount Type:

• Floor	No cost
• Intermediate	No cost

Options U.S. Price**Surface Materials:**

Frames	Per sq/ft
• Anodized	+\$0.73
• Paint price group 1	No cost
• Paint price group 2	+\$0.85
• Paint price group 3	+\$1.51

**For Canadian Pricing**

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

▶ See page 1 for details.

Side D Single Captured Glass Frame

► Page 125 of the V.I.A. Specification Guide.

Style Number	Square Foot (sq/ft)	U.S. Base Price	
		Per Frame	Per sq/ft
FEFRCGDBP	1.00000" – 12.00000"	\$ 77.41	+\$120.39
	12.00001"–30.00000"	\$261.59	+\$ 92.43
	30.00001"–50.00000"	\$110.85	+\$ 98.92

Required Selections U.S. Price

Top Mount Type:

• Ceiling	No cost
• Intermediate	No cost

Bottom Mount Type:

• Floor	No cost
• Intermediate	No cost

Options U.S. Price

Surface Materials:

Frames	Per sq/ft
• Anodized	+\$0.73
• Paint price group 1	No cost
• Paint price group 2	+\$0.85
• Paint price group 3	+\$1.51

Acoustic Seal for Captured Glass

► Page 126 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price
FEFRCGSA	\$16.40

Required Selections U.S. Price

Length:

• 24" long seal	No cost
• 48" long seal	+\$16.40
• 72" long seal	+\$18.45
• 96" long seal	+\$29.73
• 120" long seal	+\$36.90

Locking Bracket

► Page 127 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEFHCGL	\$20.50

Non-Locking Bracket

► Page 127 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEFHCGI	\$17.43

Load Bracket

► Page 127 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEFHCGLB	\$6.15

T Nuts – Package of 25

► Page 128 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEFHCGT	\$25.63



For Canadian Pricing

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

► See page 1 for details.

Skins

Solid Steel Skin

► Page 130 of the V.I.A. Specification Guide.

Style Number	Square Foot (sq/ft)	U.S. Base Price	
		Per Skin	Per sq/ft
FESSS	0.50000"—12.00000"	\$117.49	+\$29.25
	12.00001"—24.00000"	\$ 26.13	+\$29.75
	24.00001"—50.00000"	\$ 20.91	+\$26.98

Required Selections		U.S. Price	
Fabric Direction for Fabric Skins:			
• Horizontal	No cost	N.A.	
• Vertical	No cost	N.A.	
Top Mount Type:			
• Ceiling	No cost	N.A.	
• Intermediate	No cost	N.A.	
Bottom Mount Type:			
• Floor	No cost	N.A.	
• Intermediate	No cost	N.A.	
Cable Management Cut-outs:			
• Hardwire single	+\$ 6.15 per cutout		
• Hardwire double	+\$ 6.15 per cutout		
• Hardwire triple	+\$ 6.15 per cutout		
• Hardwire fourplex	+\$ 6.15 per cutout		
• Modular double	+\$12.30 per cutout		
• Comm only – modular	+\$ 6.15 per cutout		
• Comm only – no box	+\$ 6.15 per cutout		

Options		U.S. Price	
Surface Materials:			
Frames		Per Skin	Per Sq/ft
• Paint price group 1		No cost	No cost
• Paint price group 2		+\$ 1.03	+\$0.77
• Paint price group 3		+\$ 1.03	+\$1.54
• Fabric price group 1		+\$26.30	+\$4.61
• Fabric price group 2		+\$26.30	+\$5.49
• Fabric price group 3		+\$26.30	+\$6.53
• Fabric price group 4		+\$26.30	+\$7.09
• Fabric price group 5		+\$26.30	+\$7.66

Solid Veneer Skin

► Page 132 of the V.I.A. Specification Guide.

Style Number	Square Foot (sq/ft)	U.S. Base Price	
		Per Skin	Per sq/ft
FESSV	1.25000"—6.00000"	\$451.59	+\$59.29
	6.00001"—20.00000"	\$424.35	+\$32.38
	20.00001"—50.00000"	\$406.43	+\$31.90

Required Selections		U.S. Price	
Wood Grain Direction			
for Skins:		Per Frame	Per sq/ft
• Horizontal application		No cost	N.A.
• Vertical application		No cost	N.A.
Top Mount Type:			
• Ceiling		No cost	N.A.
• Intermediate		No cost	N.A.
Bottom Mount Type:			
• Floor		No cost	N.A.
• Intermediate		No cost	N.A.
Cable Management Cut-outs:			
• Hardwire single		+\$ 6.15 per cutout	
• Hardwire double		+\$ 6.15 per cutout	
• Hardwire triple		+\$ 6.15 per cutout	
• Hardwire fourplex		+\$ 6.15 per cutout	
• Modular double		+\$12.30 per cutout	
• Comm only – modular		+\$ 6.15 per cutout	
• Comm only – no box		+\$ 6.15 per cutout	

Options		U.S. Price	
Surface Materials:			
Frames		Per Skin	Per Sq/ft
• Veneer price group 1		No cost	No cost
• Veneer price group 2		+\$1.03	+\$ 8.20
• Veneer price group 3		+\$1.03	+\$28.70
• Customiz stain		No cost	No cost



For Canadian Pricing

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

► See page 1 for details.

Solid Veneer Skin Set

► Page 134 of the V.I.A. Specification Guide.

Style Number	Square Foot (sq/ft)	U.S. Base Price	
		Per Skin	Per sq/ft
FESSVS	2.00000"—6.00000"	\$451.59	+\$59.29
	6.00001"—20.00000"	\$424.35	+\$32.38
	20.00001"—50.00000"	\$406.43	+\$31.90

Required Selections	U.S. Price	
Wood Grain Direction for Skin Sets:	Per Skin	Per sq/ft
• Horizontal application	No cost	N.A.
• Vertical application	No cost	N.A.
Skin Count:		
• 2 skins	+\$323.90	N.A.
• 3 skins	+\$485.85	N.A.
• 4 skins	+\$647.80	N.A.
• 5 skins	+\$809.75	N.A.
Top Mount Type:		
• Ceiling	No cost	N.A.
• Intermediate	No cost	N.A.
Bottom Mount Type:		
• Floor	No cost	N.A.
• Intermediate	No cost	N.A.

Cable Management Cut-outs:	
• Hardwire single	+\$ 6.15 per cutout
• Hardwire double	+\$ 6.15 per cutout
• Hardwire triple	+\$ 6.15 per cutout
• Hardwire fourplex	+\$ 6.15 per cutout
• Modular double	+\$ 12.30 per cutout
• Comm only – modular	+\$ 6.15 per cutout
• Comm only – no box	+\$ 6.15 per cutout

Options	U.S. Price	
Surface Materials:		
Frames	Per Skin	Per Sq/ft
• Veneer price group 1	No cost	No cost
• Veneer price group 2	+\$ 1.03	+\$ 8.20
• Veneer price group 3	+\$ 1.03	+\$28.70
• Customiz stain	No cost	No cost



For Canadian Pricing

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

► See page 1 for details.

Solid Laminate Skin

► Page 136 of the V.I.A. Specification Guide.

Style Number	Square Foot (sq/ft)	U.S. Base Price	
		Per Skin	Per sq/ft
FESSL	0.50000"—12.00000"	\$98.69	+\$25.04
	12.00001"—24.00000"	\$21.95	+\$25.27
	24.00001"—50.00000"	\$17.57	+\$22.70

Required Selections	U.S. Price	
Wood Grain Direction for Skins:	Per Frame	Per sq/ft
• Horizontal application	No cost	N.A.
• Vertical application	No cost	N.A.
Top Mount Type:		
• Ceiling	No cost	N.A.
• Intermediate	No cost	N.A.
Bottom Mount Type:		
• Floor	No cost	N.A.
• Intermediate	No cost	N.A.
Cable Management Cut-outs:		
• Hardwire single	+\$ 6.15 per cutout	
• Hardwire double	+\$ 6.15 per cutout	
• Hardwire triple	+\$ 6.15 per cutout	
• Hardwire fourplex	+\$ 6.15 per cutout	
• Modular double	+\$12.30 per cutout	
• Comm only – modular	+\$ 6.15 per cutout	
• Comm only – no box	+\$ 6.15 per cutout	

Options	U.S. Price	
Surface Materials:		
Frames	Per Skin	Per Sq/ft
• Laminate - Low-Pressure	No cost	No cost
• Laminate - High-Pressure	No cost	+\$8.66
• Open Line laminate	No cost	+\$8.66

Skins, continued

Ceramic Skin

▶ Page 138 of the V.I.A. Specification Guide.

• Style Number	• Square Foot (sq/ft)	• U.S. Price	
		Per Skin	Per sq/ft
FESC	4.00000"—12.00000"	\$79.37	+\$42.85
	12.00001"—40.00000"	\$26.91	+\$50.56

Required Selections	U.S. Price
Top Mount Type:	
• Ceiling	No cost
• Intermediate	N.A.
Bottom Mount Type:	
• Floor	No cost
• Intermediate	N.A.

Slatwall Skin

▶ Page 139 of the V.I.A. Specification Guide.

• Style Number	• Square Foot (sq/ft)	• U.S. Base Price	
		Per Skin	Per sq/ft
FESW	1.00000"—4.00000"	\$ 76.88	+\$45.75
	4.00001"—10.00000"	\$235.75	+\$12.61

Required Selections	U.S. Price
Height:	
• 6"	No cost
• 12"	No cost
• 18"	No cost
• 24"	No cost

Options	U.S. Price
Surface Materials:	
Frames	
• Paint price group 1	No cost
• Paint price group 2	+\$1.03
• Paint price group 3	+\$1.03
	Per Skin
	Per Sq/ft

Double Slatwall Skin Hardware

▶ Page 139 of the V.I.A. Specification Guide.

• Style Number	• U.S. Price	
	Per Skin	Per Sq/ft
FESHSD	\$92.25	+\$5.13

Required Selections	U.S. Price
Height:	
• 6"	No cost
• 12"	No cost
• 18"	No cost
• 24"	No cost

Single Slatwall Skin Hardware

▶ Page 140 of the V.I.A. Specification Guide.

• Style Number	• U.S. Price	
	Per Skin	Per Sq/ft
FESHSS	\$61.50	+\$0.78

Required Selections	U.S. Price
Height:	
• 6"	No cost
• 12"	No cost
• 18"	No cost
• 24"	No cost

Acoustic Insulation

▶ Page 141 of the V.I.A. Specification Guide.

• Style Number	• U.S. Price
FESIA	\$461.25

**For Canadian Pricing**

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

▶ See page 1 for details.

Acoustic Skin Seal

► Page 141 of the V.I.A. Specification Guide.

• Style • Number	• U.S. • Base • Price
•	•
•	•
•	•
FESSA	\$ 6.15
•	•

Required Selections U.S. Price

Seal Length:

• 24" long seal	No cost
• 48" long seal	+\$ 6.15
• 72" long seal	+\$10.25
• 96" long seal	+\$14.35
• 120" long seal	+\$18.45



For Canadian Pricing

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

► See page 1 for details.

Reversible Swing Doors

Single Reversible Swing Door Frame

► Page 144 of the V.I.A. Specification Guide.

• Style Number	• U.S. Base Price	• Add per inch height of frame	• Add per frame when frame is not equal to 40"	• Add per frame for 4th hinge when ceiling height and height > 93.71700" or when intermediate height and height > 92.60600"
FEDFSWSR	\$2324.73	+\$ 2.05	+\$56.38	+\$157.85 (for solid door) +\$306.48 (for polished edge door)

Required Selections	U.S. Price
Top Mount Type:	
• Ceiling	No cost
• Intermediate	No cost
Handedness:	
• Right hand	No cost
• Left hand	No cost
Door Type:	
• Solid	No cost
• Polished edge (<=84")	+\$116.85
• Polished edge (>84")	+\$155.80
Latch Prep:	
• Cylindrical	No cost
• Ladder aligned	No cost
• Ladder offset	No cost
• Mortise	No cost
• Push/pull handles	No cost
Roller Latch: (only if push/pull handles)	
• No roller latch	No cost
• Top roller latch	+\$437.16
Door Hardware:	
• Satin chrome	No cost
• Polished chrome (3 hinges)	+\$ 70.74
• Polished chrome (4 hinges)	+\$ 94.32
Strike Plate: (if latch prep is mortise)	
• Type 1	No cost
• Type 2	No cost
• No strike plate	-\$ 50.23
Electrification:	
• No electrification	No cost
• With electrification	-\$130.18

Options	U.S. Price
Surface Materials:	Per Sq/ft
Frames	
• Paint price group 1	No cost
• Paint price group 2	+\$ 0.85
• Paint price group 3	+\$ 1.51
• Anodized	+\$ 0.73



For Canadian Pricing

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

► See page 1 for details.

Single Reversible Solid Swing Door Leaf

► Page 145 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	Add per inch height of door when height > 82.44100"	Add per door when door width is not equal to 40"	Add per door for 4th hinge when ceiling height and height > 93.71700" or when intermediate height and height > 92.60600"
FEDLSWSSR	\$1555.95	+\$12.30	+\$56.38	+\$30.75

Required Selections U.S. Price

Acoustic Seal:

- No seal No cost
- Drop seal +\$ 45.10

Top Mount Type:

- Ceiling No cost
- Intermediate No cost

Latch Prep:

- Cylindrical No cost
- Ladder aligned No cost
- Ladder offset No cost
- Mortise +\$ 19.48
- Push/pull handles No cost

Roller Latch:

(only if push/pull handles)

- No roller latch No cost
- Top roller latch +\$ 19.48

Door Closer:

(only if mortise or cylindrical)

- No door closer No cost
- Surface mounted door closer No cost

Door Hardware:

(only if mortise or cylindrical)

- Satin chrome No cost
- Polished chrome No cost

Electrification:

- No electrification No cost
- With electrification +\$ 106.60

Options U.S. Price

Surface Materials:

- Paint price group 1 No cost
- Paint price group 3 +\$ 106.60
- Wood veneer (flat cut) +\$ 59.45
- Quarter-cut/rift-cut wood veneer +\$ 170.15
- Premium wood 2 +\$ 303.40
- Premium wood 3 +\$1061.90
- Customiz stain +\$ 59.45



For Canadian Pricing

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

► See page 1 for details.

Reversible Swing Doors, continued

Single Reversible Polished Edge Swing Door Leaf

▶ Page 146 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	Add per sq/ft of door	Add per frame for 4 th hinge when ceiling height and height > 93.71700" or when intermediate height and height > 92.60600"
FEDLSWPSR	\$895.85	+\$51.25	+\$115.83

Required Selections U.S. Price

Glass Orientation:

- Polished to inside No cost
- Polished to outside No cost

Tip: Glass orientation applies only when satin or bamboo glass finishes specified.

Top Mount Type:

- Ceiling No cost
- Intermediate No cost

Handedness:

- Right hand No cost
- Left hand No cost

Latch Prep:

- Cylindrical No cost
- Ladder aligned No cost
- Ladder offset No cost
- Mortise +\$461.25
- Push/pull handles -\$126.08

Frame Prep:
(only if push/pull handles)

- No roller latch No cost
- Top roller latch No cost

Door Closer:

(only if mortise or cylindrical)

- No door closer No cost
- Surface mounted door closer +\$115.83

Door Hardware:

- Satin chrome No cost
- Polished chrome +\$ 35.88

Options U.S. Price

Surface Materials:

Glass (per square foot of door):

- Glass price group 1 No cost
- Glass price group 3 +\$ 21.42
- COG (Customer's Own Glass) No cost

Pair of Reversible Swing Door Frames

▶ Page 147 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	Add per inch height of frame	Add per frame when frame is not equal to 80"	Add per frame for 4 th hinge when ceiling height and height > 93.71700" or when intermediate height and height > 92.60600"
FEDFSWPR	\$3068.64	+\$2.05	+\$56.38	+\$315.70 (for solid door) +\$612.96 (for polished edge door)

Required Selections U.S. Price

Acoustic Seal:

- No seal No cost
- Drop seal No cost
- Vertical seal +\$ 1.13
- Drop and vertical seal No cost

Top Mount Type:

- Ceiling No cost
- Intermediate No cost

Handedness:

- Right-hand active +\$316.73
- Left-hand active +\$316.73
- Both hands active No cost

Door Type:

- Solid No cost
- Polished edge +\$233.70

Roller Latch:

- No roller latch No cost
- Roller latch No cost

Door Hardware:

- Satin chrome No cost
- Polished chrome (6 hinges) +\$141.48

Electrification:

- No electrification No cost
- Electrification lock -\$130.18
- Electrification strike -\$130.18

Options U.S. Price

Surface Materials:
Frames

- Paint price group 1 No cost
- Paint price group 2 +\$ 0.85
- Paint price group 3 +\$ 1.51
- Anodized +\$ 0.73

Astragal

- Paint price group 1 No cost
- Paint price group 2 No cost
- Paint price group 3 No cost
- Anodized No cost



For Canadian Pricing

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

▶ See page 1 for details.

Pair of Reversible Solid Swing Door Leaves

► Page 150 of the V.I.A. Specification Guide.

• Style Number	• U.S. Base Price	• Add per inch height of frame when height >82.44100"	• Add per frame when frame is not equal to 80"	• Add per frame for 4 th hinge when ceiling height and height >93.71700" or when intermediate height and height >92.60600"
FEDLSWSPR	\$3111.90	+\$24.60	+\$56.38	+\$61.50

Required Selections U.S. Price

Acoustical Seal:

• No seal	No cost
• Drop seal	+\$ 90.20
• Vertical seal	+\$ 19.48
• Drop and vertical seal	+\$ 109.68

Top Mount Type:

• Ceiling	No cost
• Intermediate	No cost

Handedness:

• Right-hand active	No cost
• Left-hand active	No cost
• Both-hands active	No cost

Latch Prep:

• Cylindrical	No cost
• Ladder, aligned	No cost
• Ladder, offset	No cost
• Mortise	+\$ 19.48
• No latch prep	No cost
• Push/pull handles	No cost

Roller Latch:

(only if ladder or no latch prep)

• No roller latch	No cost
• Roller latch	+\$ 19.48

Door Closer:

• No door closer	No cost
• Surface mounted door closer	No cost

Electrification:

• No electrification	No cost
• With electric lock	+\$ 106.60
• With electric strike	+\$ 106.60

Options U.S. Price

Surface Materials:

• Paint price group 1	No cost
• Paint price group 3	+\$ 213.20
• Wood veneer (flat cut)	+\$ 118.90
• Quarter-cut/rift-cut wood veneer	+\$ 340.30
• Premium wood 2	+\$ 606.80
• Premium wood 3	+\$2123.80
• Customiz stain	+\$ 59.45

Pair of Reversible Polished Edge Swing Door Leaves

► Page 149 of the V.I.A. Specification Guide.

• Style Number	• U.S. Base Price	• Add per sq/ft of door	• Add per frame when frame is not equal to 80"	• Add per frame for 4 th hinge when ceiling height and height >93.71700" or when intermediate height and height >92.60600"
FEDLSWPPR	\$1334.03	+\$51.25	+\$56.38	+\$231.66

Required Selections U.S. Price

Glass Orientation:

• Polished to inside	No cost
• Polished to outside	No cost

Tip: Glass orientation applies only when satin or bamboo glass finishes specified.

Top Mount Type:

• Ceiling	No cost
• Intermediate	No cost

Handedness:

• Both-hands active	No cost
---------------------	---------

Latch Prep:

• Ladder, aligned	No cost
• Ladder, offset	No cost
• Push/pull handles	No cost

Roller Latch:

• No roller latch	No cost
• Roller latch	+\$874.32

Door Closer:

• No door closer	No cost
• Surface mounted door closer	+\$231.66

Options U.S. Price

Surface Materials:

Glass (per square foot of door)

• Paint price group 1	No cost
• Paint price group 3	+\$ 21.42
• COG (Customer's Own Glass)	No cost



For Canadian Pricing

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

► See page 1 for details.

Reversible Swing Doors, continued

Cylindrical Latch Set▶ Page 150 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price
FEDCLO	\$610.90

Required Selections U.S. Price**Hardware Finish:**

• Satin chrome	No cost
• Polished chrome	+\$ 23.58

Latch Prep:

• Passage	No cost
• Lockset	+\$223.45

Keying:

• Core, keyed random	No cost
• No core	No cost
• No key	No cost

Mortise Latch Set▶ Page 150 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price
FEDMLO	\$1033.20

Required Selections U.S. Price**Hardware Finish:**

• Satin chrome	No cost
• Polished chrome	+\$ 33.83

Latch Prep:

• Passage	No cost
• Lockset	+\$200.90

Keying:

• Core, keyed random	No cost
• No cylinder	No cost
• No key	No cost

Push/Pull Handle▶ Page 151 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Price
FEDPPH	\$149.65

Door Closer▶ Page 151 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Price
FEDCLS	\$666.25

Required Selections U.S. Price**Door Type:**

• Solid	No cost
• Polished edge	No cost

Roller Latch▶ Page 151 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Price
FEDRL	\$144.53

Door Drop Seal▶ Page 152 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Price
FEDDS	\$329.03

Required Selections U.S. Price**Door Type:**

• Solid	No cost
• Polished edge	No cost

Electric Hinge▶ Page 152 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price
FEDHE	\$707.25

Required Selections U.S. Price**Hardware Finish:**

• Satin chrome	No cost
• Polished chrome	+\$ 23.58

Ladder Pull, Aligned

► Page 153 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Base • Price
FEDLPA	\$ 1533.00
.	.

Required Selections	U.S. Price
Latch Prep:	
• Passage	No cost
• Lockset	+\$1910.00
Keying:	
• Core, keyed random	No cost
• No core	No cost
• No key	No cost
Door Type:	
• Solid	+\$ 223.00
• Polished edge	No cost

Ladder Pull, Offset

► Page 153 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Base • Price
FEDLPO	\$ 1533.00
.	.

Required Selections	U.S. Price
Latch Prep:	
• Passage	No cost
• Lockset	+\$1910.00
Keying:	
• Core, keyed random	No cost
• No core	No cost
• No key	No cost
Door Type:	
• Solid	+\$ 223.00
• Polished edge	No cost

Drop Seal

► Page 154 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Base • Price
FEDDSP	\$658.06
.	.

Required Selections	U.S. Price
Door Type:	
• Solid	No cost
• Polished edge	No cost

Flush Bolts

► Page 154 of the *V.I.A. Specification Guide*.

• Style • Number	• U.S. • Base • Price
FEDFBP	\$288.00
.	.

Required Selections	U.S. Price
Hardware Finish:	
• Satin chrome	No cost
• Polished edge	+\$46.00



For Canadian Pricing

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

► See page 1 for details.

Slider Doors

Single Surface Mounted Slider Door Frame

► Page 156 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	Add per inch height of frame	Add per inch width of frame
FEDFSLSM	\$898.93	+\$ 3.08	+\$3.08

Required Selections U.S. Price

Top Mount Type:

- Ceiling No cost
- Intermediate No cost

Handedness:

- Right hand No cost
- Left hand No cost

Lock:

- No lever lock No cost
- Lever lock +\$1415.53

Pull:

- Push/pull No cost
- Separate pull -\$ 149.65

Keying:

- No cylinder -\$ 41.00
- Core, keyed random No cost

Lever:

- No lever -\$ 201.93
- Lever one No cost

Cylinder Orientation:

- Key inside No cost
- Key outside No cost

Options U.S. Price

Surface Materials: Frames

- | | Per sq/ft |
|-----------------------|-----------|
| • Paint price group 1 | No cost |
| • Paint price group 2 | +\$ 0.85 |
| • Paint price group 3 | +\$ 1.51 |
| • Anodized | +\$ 0.73 |

Single Surface Mounted Polished Edge Slider Door Leaf

► Page 157 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	Add per sq/ft of door
FEDLSLPSM	\$517.63	+\$38.95

Required Selections U.S. Price

Glass Surface

Orientation:

- Polished to inside No cost
- Polished to outside No cost

Top Mount Type:

- Ceiling No cost
- Intermediate No cost

Handedness:

- Right hand No cost
- Left hand No cost

Latch prep:

- Ladder aligned No cost
- Ladder offset No cost
- Lever lock +\$186.55
- Push/pull No cost

Acoustic Seal:

- No seal No cost
- Drop seal +\$124.03

Options U.S. Price

Surface Materials: Bottom Trim

- | | Per Frame | Per sq/ft |
|------------------------------|-----------|-----------|
| • Paint price group 1 | No cost | N.A. |
| • Paint price group 2 | +\$ 7.18 | N.A. |
| • Paint price group 3 | +\$ 14.35 | N.A. |
| • Anodized | +\$ 5.13 | N.A. |
| • Glass price group 1 | N.A. | No cost |
| • Glass price group 3 | N.A. | +\$21.42 |
| • COG (Customer's Own Glass) | N.A. | No cost |



For Canadian Pricing

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

► See page 1 for details.

Basic Single Surface Mounted Slider Door Track

► Page 158 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	
		Add per inch width of track
FEDTSLSMB	\$1057.80	+\$3.08

Required Selections U.S. Price

Hardware:	
• No hardware	–\$ 937.88
• Hardware	No cost

Handedness:	
• Right hand	No cost
• Left hand	No cost

End Configuration, Left:	
• Actual	No cost
• At adapter	No cost
• L junction	No cost
• Support junction	No cost
• At junction	No cost
• At bypass	No cost
• Support bypass	No cost
• Cut	No cost

End Configuration, Right:	
• Actual	No cost
• At adapter	No cost
• L junction	No cost
• Support junction	No cost
• At junction	No cost
• At bypass	No cost
• Support bypass	No cost
• Cut	No cost

End Notch:	
• No notch	No cost
• Left notch	No cost
• Right notch	No cost
• Both notch	No cost

Bracket Hole Count:	
• One hole	No cost
• Two holes	No cost

Bracket Hole Location:	
• Hole one location	No cost
• Hole two location, if selected	No cost

Options U.S. Price

Surface Materials:	Per inch of track
• Paint price group 1	No cost
• Paint price group 2	+\$ 0.18
• Paint price group 3	+\$ 0.28
• Anodized	+\$ 0.51

Reinforced Single Surface Mounted Slider Door Track

► Page 159 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	
		Add per inch width of track
FEDTSLSMR	\$2204.78	+\$6.40

Required Selections U.S. Price

Handedness:	
• Right hand	No cost
• Left hand	No cost

End Configuration, Left:	
• Actual	No cost

End Configuration, Right:	
• Actual	No cost

Bracket Hole Location:	
• Hole one location	No cost

Options U.S. Price

Surface Materials:	Per inch of track
• Paint price group 1	No cost
• Paint price group 2	+\$ 0.18
• Paint price group 3	+\$ 0.28
• Anodized	+\$ 0.51

Slider Doors, continued

Slider Door Track Bracket

▶ Page 163 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price
FEDTSLB	\$129.15

Required Selections	U.S. Price
---------------------	------------

Top Mount Type:

- | | |
|----------------|---------|
| • Ceiling | No cost |
| • Intermediate | No cost |

Bracket Type:

- | | |
|---------------|---------|
| • L at left | No cost |
| • L at right | No cost |
| • T at center | No cost |

Options	U.S. Price
---------	------------

Surface Materials:

- | | |
|-----------------------|----------|
| • Paint price group 1 | No cost |
| • Paint price group 2 | +\$ 4.10 |
| • Paint price group 3 | +\$ 6.15 |

Frame for Pair of Surface Mounted Doors

▶ Page 160 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	Add per inch height of frame	Add per inch width of frame
FEDFSLPM	\$1394.00	+\$3.08	+\$3.08

Required Selections	U.S. Price
---------------------	------------

Top Mount Type:

- | | |
|----------------|---------|
| • Ceiling | No cost |
| • Intermediate | No cost |

Options	U.S. Price
---------	------------

Surface Materials: Frames

- | | Per sq/ft |
|-----------------------|-----------|
| • Paint price group 1 | No cost |
| • Paint price group 2 | +\$0.85 |
| • Paint price group 3 | +\$1.51 |
| • Anodized | +\$0.73 |

**For Canadian Pricing**

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

▶ See page 1 for details.

Pair of Surface Mounted Polished Edge Slider Door Leaves

► Page 161 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	
		Add per sq/ft of door
FEDLSLPPM	\$1035.26	+\$38.95

Required Selections U.S. Price

Glass Surface

Orientation:

• Polished to inside	No cost
• Polished to outside	No cost

Top Mount Type:

• Ceiling	No cost
• Intermediate	No cost

Latch Prep:

• Ladder, aligned	No cost
• Ladder, offset	No cost
• Push/pull handles	No cost

Options U.S. Price

Surface Materials:	Per Frame	Per sq/ft
Bottom Trim		
• Paint price group 1	No cost	N.A.
• Paint price group 2	+\$ 14.36	N.A.
• Paint price group 3	+\$ 28.70	N.A.
• Anodized	+\$ 10.26	N.A.
• Glass price group 1	N.A.	No cost
• Glass price group 3	N.A.	+\$21.42
• COG (Customer's Own Glass)	N.A.	No cost

Reinforced Track for Pair of Surface Mounted Slider Door

► Page 162 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	
		Add per inch width of track
FEDTSLPMR	\$4409.56	+\$38.95

Required Selections U.S. Price

End Configuration, Left:

• Actual	No cost
----------	---------

End Configuration, Right:

• Actual	No cost
----------	---------

Bracket Hole Location:

• Hole one location	No cost
• Hole two location	No cost

Options U.S. Price

Surface Materials:

	Per inch of track
• Paint price group 1	No cost
• Paint price group 2	+\$ 0.18
• Paint price group 3	+\$ 0.28
• Anodized	+\$ 0.51



For Canadian Pricing

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

► See page 1 for details.

Intersections—Junctions and Adapters

Two-Way Fixed Angle Junction Assembly

► Page 166 of the V.I.A. Specification Guide.

Style Number	U.S. Price	
	Per Junction	Per Inch
FEIJA2F	\$542.23	+\$0.39

Required Selections	U.S. Price	
Fixed Angles:	Per Junction	Per Inch
• 90°	No cost	N.A.
• 120°	No cost	N.A.
• 135°	No cost	N.A.
• 180°	No cost	N.A.
Horizontal Hole Cut-out:		
• No holes	No cost	N.A.
• Hole 1	No cost	N.A.
• Hole 2	No cost	N.A.
• Hole 3	No cost	N.A.
• Hole 4	No cost	N.A.
• Hole 5	No cost	N.A.
• Hole 6	No cost	N.A.
• Hole 7	No cost	N.A.
• Hole 8	No cost	N.A.
• Hole 9	No cost	N.A.
• Hole 10	No cost	N.A.
• Hole 11	No cost	N.A.

Two-Way Variable Angle Junction Assembly

► Page 167 of the V.I.A. Specification Guide.

Style Number	U.S. Price	
	Per Junction	Per Inch
FEIJA2V	\$649.85	+\$0.39

Required Selections	U.S. Price	
Angle:	Per Junction	Per Inch
• 91°–119°	No cost	N.A.
• 121°–134°	No cost	N.A.
• 135°–179°	No cost	N.A.
Horizontal Hole Cut-out:		
• No holes	No cost	N.A.
• Hole 1	No cost	N.A.
• Hole 2	No cost	N.A.
• Hole 3	No cost	N.A.
• Hole 4	No cost	N.A.
• Hole 5	No cost	N.A.
• Hole 6	No cost	N.A.
• Hole 7	No cost	N.A.
• Hole 8	No cost	N.A.
• Hole 9	No cost	N.A.
• Hole 10	No cost	N.A.
• Hole 11	No cost	N.A.

Three-Way Junction Assembly

► Page 168 of the V.I.A. Specification Guide.

Style Number	U.S. Price	
	Per Junction	Per Inch
FEIJA3	\$787.20	+\$0.58

Required Selections	U.S. Price	
Angle:	Per Junction	Per Inch
• 90°	No cost	N.A.
• 120°	No cost	N.A.
• 135°	No cost	N.A.
Horizontal Hole Cut-out:		
• No holes	No cost	N.A.
• Hole 1	No cost	N.A.
• Hole 2	No cost	N.A.
• Hole 3	No cost	N.A.
• Hole 4	No cost	N.A.
• Hole 5	No cost	N.A.
• Hole 6	No cost	N.A.
• Hole 7	No cost	N.A.
• Hole 8	No cost	N.A.
• Hole 9	No cost	N.A.
• Hole 10	No cost	N.A.
• Hole 11	No cost	N.A.

Four-Way Junction Assembly

► Page 169 of the V.I.A. Specification Guide.

Style Number	U.S. Price	
	Per Junction	Per Inch
FEIJA4	\$1033.20	+\$0.78

Required Selections	U.S. Price	
Horizontal Hole Cut-out:	Per Junction	Per Inch
• No holes	No cost	N.A.
• Hole 1	No cost	N.A.
• Hole 2	No cost	N.A.
• Hole 3	No cost	N.A.
• Hole 4	No cost	N.A.
• Hole 5	No cost	N.A.
• Hole 6	No cost	N.A.
• Hole 7	No cost	N.A.
• Hole 8	No cost	N.A.
• Hole 9	No cost	N.A.
• Hole 10	No cost	N.A.
• Hole 11	No cost	N.A.

Inner Junction Cover▶ Page 170 of the *V.I.A. Specification Guide*.

Style Number	U.S. Base Price	
	Per Cover	Per Inch
FEIJCI	\$226.53	+\$0.21

Required Selections	U.S. Price	
Fixed Angles:	Per Cover	Per Inch
• 120°	No cost	N.A.
• 135°	No cost	N.A.

Options	U.S. Price	
Surface Materials:	Per Cover	Per Inch
• Anodized	+\$43.05	N.A.
• Paint price group 1	No cost	N.A.
• Paint price group 2	+\$15.38	N.A.
• Paint price group 3	+\$23.58	N.A.

Variable Angle Inner Junction Cover▶ Page 170 of the *V.I.A. Specification Guide*.

Style Number	U.S. Base Price	
	Per Cover	Per Inch
FEIJCIV	\$396.42	+\$0.21

Required Selections	U.S. Price	
Variable Angles:	Per Cover	Per Inch
• 91°–119°	No cost	N.A.
• 121°–134°	No cost	N.A.
• 136°–179°	No cost	N.A.

Options	U.S. Price	
Surface Materials:	Per Cover	Per Inch
• Paint price group 1	No cost	N.A.
• Paint price group 2	+\$15.38	N.A.
• Paint price group 3	+\$23.58	N.A.

90° Inner Junction Trim▶ Page 171 of the *V.I.A. Specification Guide*.

Style Number	U.S. Base Price	
	Per Cover	Per Inch
FEI90T	\$ 54.88	+\$0.21

Options	U.S. Price	
Surface Materials:	Per Cover	Per Inch
• Paint price group 1	No cost	N.A.
• Paint price group 2	+\$15.38	N.A.
• Paint price group 3	+\$23.58	N.A.

Outer Junction Cover▶ Page 171 of the *V.I.A. Specification Guide*.

Style Number	U.S. Base Price	
	Per Cover	Per Inch
FEIJCO	\$226.53	+\$0.21

Required Selections	U.S. Price	
Fixed Angles:	Per Cover	Per Inch
• 90°	No cost	N.A.
• 120°	No cost	N.A.
• 135°	No cost	N.A.
• 180°	No cost	N.A.

Bottom Alignment (for 180° cover):		
• To the skin	No cost	N.A.
• To the floor	No cost	N.A.

Options	U.S. Price	
Surface Materials:	Per Cover	Per Inch
• Anodized	+\$43.05	N.A.
• Paint price group 1	No cost	N.A.
• Paint price group 2	+\$15.38	N.A.
• Paint price group 3	+\$23.58	N.A.

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

▶ See page 1 for details.

Intersections—Junctions and Adapters, continued

Variable Angle Outer Junction Cover▶ Page 172 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price	
	Per Cover	Per Inch
FEIJCOV	\$396.42	+\$0.21

Required Selections	U.S. Price	
Variable Angles:	Per Cover	Per Inch
• 91°–119°	No cost	N.A.
• 121°–134°	No cost	N.A.
• 136°–179°	No cost	N.A.

Options	U.S. Price	
Surface Materials:	Per Cover	Per Inch
• Paint price group 1	No cost	N.A.
• Paint price group 2	+\$15.38	N.A.
• Paint price group 3	+\$23.58	N.A.

Bypass Outer Junction Cover▶ Page 172 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price	
	Per Cover	Per Inch
FEIJCOB	\$283.93	+\$0.26

Options	U.S. Price	
Surface Materials:	Per Cover	Per Inch
• Anodized	+\$43.05	N.A.
• Paint price group 1	No cost	N.A.
• Paint price group 2	+\$15.38	N.A.
• Paint price group 3	+\$23.58	N.A.

Two-Way Junction Hardware▶ Page 173 of the *V.I.A. Specification Guide*.

• Style Number	• Height	• U.S. Price
FEIJH2	≤120"	\$35.88
	>120"	\$45.11

Required Selections	U.S. Price	
Fixed Angles:		
• 90°	No cost	
• 120°	No cost	
• 135°	No cost	
• 180°	No cost	

Two-Way Variable Angle Junction Hardware▶ Page 173 of the *V.I.A. Specification Guide*.

• Style Number	• Height	• U.S. Price
FEIJH2V	≤120"	\$53.81
	>120"	\$67.65

Required Selections	U.S. Price	
Variable Angles:		
• 91°–119°	No cost	
• 121°–134°	No cost	
• 136°–179°	No cost	

Three-Way Junction Hardware▶ Page 174 of the *V.I.A. Specification Guide*.

• Style Number	• Height	• U.S. Price
FEIJH3	≤120"	\$35.88
	>120"	\$45.11

Required Selections	U.S. Price	
Fixed Angles:		
• 90°	No cost	
• 120°	No cost	
• 135°	No cost	

**For Canadian Pricing**

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

▶ See page 1 for details.

Four-Way Junction Hardware► Page 174 of the *V.I.A. Specification Guide*.

• Style Number	• Height	• U.S. Price
FEIJH4	≤120"	\$35.88
	>120"	\$45.11

Two-Way Bypass Junction Hardware► Page 175 of the *V.I.A. Specification Guide*.

• Style Number	• Height	• U.S. Price
FEIJHB	≤120"	\$35.88
	>120"	\$45.11

Junction Nut Plate► Page 175 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Price
FEIJNP	\$10.25

Junction Cover Seal► Page 176 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Price
FEIJS	\$22.55

Bottom Junction Seal► Page 176 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Price
FEIJBS	\$18.45

90° T/X Adapter► Page 177 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price	
	Per Adapter	Per Inch
FEIA	\$254.20	+\$0.21

Required Selections	U.S. Price
Bottom Alignment:	Per Adapter Per Inch
• To the skin	No cost N.A.
• To the floor	No cost N.A.

Options	U.S. Price
Surface Materials:	Per Adapter Per Inch
• Anodized	+\$43.05 N.A.
• Paint price group 1	No cost N.A.
• Paint price group 2	+\$15.38 N.A.
• Paint price group 3	+\$23.58 N.A.

Finished End► Page 177 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price	
	Per Cover	Per Inch
FEIFE	\$254.20	+\$0.21

Options	U.S. Price
Surface Materials:	Per Cover Per Inch
Finished End Cover	
• Anodized	+\$43.05 N.A.
• Paint price group 1	No cost N.A.
• Paint price group 2	+\$15.38 N.A.
• Paint price group 3	+\$23.58 N.A.

Top Trim:		
• Paint price group 1	No cost	N.A.
• Paint price group 2	+\$ 7.18	N.A.
• Paint price group 3	+\$12.30	N.A.

Bottom Trim:		
• Paint price group 1	No cost	N.A.
• Paint price group 2	+\$ 7.18	N.A.
• Paint price group 3	+\$12.30	N.A.

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

► See page 1 for details.

Mini Ends

90° Adjustable Mini End

► Page 180 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	
	Per Mini End	Per Inch
FEEAM	\$272.65	+\$0.41

Required Selections U.S. Price

Width:

• Small	No cost
• Medium	+\$24.60
• Large	+\$51.25

Options U.S. Price

Surface Materials:

• Paint price group 1	No cost
• Paint price group 2	+\$15.38
• Paint price group 3	+\$23.58
• Anodized	+\$43.05

Door Frame/ Mini End Hardware Kit

► Page 181 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEEHDM	\$15.38

Mini End Cover

► Page 180 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	
	Per Mini End Cover	Per COH Inch
FEEAMC	\$88.15	+\$0.21

Required Selections U.S. Price

Width:

• Small	No cost
• Medium	+\$ 8.20
• Large	+\$15.38

Bottom Alignment:

• To the skin	No cost
• To the floor	No cost

Options U.S. Price

Surface Materials:

• Paint price group 1	No cost
• Paint price group 2	+\$15.38
• Paint price group 3	+\$23.58
• Anodized	+\$43.05

Cutable Ends

90° Cutable End Assembly

► Page 184 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	
	Per Assy	Per COH Inch
FEECEA	\$272.65	+\$0.41

Options U.S. Price

Surface Materials:

• Paint price group 1	No cost
• Paint price group 2	+\$15.38
• Paint price group 3	+\$23.58

90° Cutable End Inner Channel

► Page 184 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price
FEECEI	\$109.68

Required Selections U.S. Price

Length:

• 48"	No cost
• 120"	+\$56.38
• 144"	+\$76.88

Options U.S. Price

Surface Materials:

• Paint price group 1	No cost
• Paint price group 2	+\$15.38
• Paint price group 3	+\$23.58

90° Cutable End Outer Channel

► Page 185 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price
FEECEO	\$121.98

Required Selections U.S. Price

Length:

• 48"	No cost
• 120"	+\$56.38
• 144"	+\$76.88

Cutable End Capture Trim

► Page 185 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price	
	Per Assy Inch	Per COH
FEECECT	\$41.00	+\$0.41

Options U.S. Price

Surface Materials:

• Paint price group 1	No cost
• Paint price group 2	+\$15.38
• Paint price group 3	+\$23.58

Cutable End Corner Angle

► Page 186 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEECEAI	\$10.25

Cutable End Elbow

► Page 186 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEECEE0	\$26.65

Required Selections U.S. Price

Corner Type:

• Inside corner	No cost
• Outside corner	No cost

Electrical Components

Receptacle

► Page 188 of the V.I.A. Specification Guide.

Style Number	U.S. Base Price
FEPRC	\$31.78

Required Selections U.S. Price

Wiring Schematic:

- 3+1 No cost
- 2+2 No cost
- 3SN No cost

Tip: If 3SN is specified, there is no Line 4 option.

Line:

- Line 1 No cost
- Line 2 No cost
- Line 3 No cost
- Line 4 No cost

Ground Type:

- System No cost
- Isolated No cost

AMP Type:

- 15 amp No cost
- 20 amp +\$17.43

USB Receptacle

► Page 189 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEPRCUSB	\$76.88

Required Selections U.S. Price

Wiring Schematic:

- 3+1 No cost
- 2+2 No cost
- 3SN No cost

Tip: If 3SN is specified, there is no Line 4 option.

Line:

- Line 1 No cost
- Line 2 No cost
- Line 3 No cost
- Line 4 No cost

Options U.S. Price

Surface Materials:

- Plastic price group 1 No cost



For Canadian Pricing

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

► See page 1 for details.

Power Block

► Page 189 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEPB	\$80.98

Required Selections U.S. Price

Wiring Schematic:

- 3+1 No cost
- 2+2 No cost
- 3SN No cost

Power/Communication Receptacle Trim

► Page 190 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEPRCT	\$8.20

Required Selections U.S. Price

Cut-out Type:

- Power No cost
- Communications No cost

Blank Cut-Out Cover

► Page 190 of the V.I.A. Specification Guide.

Style Number	U.S. Price
FEPCCB	\$5.13

Required Selections U.S. Price

Cut-out Type:

- Power No cost
- Communications No cost

Wiring Schematic:

- 3+1 No cost
- 2+2 No cost
- 3SN No cost
- No wiring config No cost

Modular Communication Faceplate

► Page 191 of the *V.I.A. Specification Guide*.

Style Number	U.S. Price
FEPFPC	\$34.85

Required Selections U.S. Price

Faceplate Configuration Type:

- RJ45 x 3 No cost
- RJ45 + VGA No cost

Multipurpose Infeed

► Page 192 of the *V.I.A. Specification Guide*.

Style Number	U.S. Base Price
FEPIMP	\$518.65

Required Selections U.S. Price

Wiring Schematic:

- 3+1 No cost
- 2+2 No cost
- 3SN No cost

Building Connection:

- Hardwire No cost
- Modular +\$107.63

Power Block Connector

► Page 192 of the *V.I.A. Specification Guide*.

Style Number	U.S. Price
FEPBC	\$23.58

Required Selections U.S. Price

Wiring Schematic:

- 3+1 No cost
- 2+2 No cost
- 3SN No cost

Modular Harness

► Page 193 of the *V.I.A. Specification Guide*.

Style Number	U.S. Base Price
FEPHN	\$139.40

Required Selections U.S. Price

Harness Length:

- 36" long No cost
- 72" long +\$ 60.48
- 144" long +\$174.25

Wiring Schematic:

- 3+1 No cost
- 2+2 No cost
- 3SN No cost

Harness-to-Harness Branching Connector

► Page 193 of the *V.I.A. Specification Guide*.

Style Number	U.S. Price
FEPHNC	\$31.78

Required Selections U.S. Price

Wiring Schematic:

- 3+1 No cost
- 2+2 No cost
- 3SN No cost

Electrical Mounting Bracket - Skin

► Page 194 of the *V.I.A. Specification Guide*.

Style Number	U.S. Base Price
FEPMBES	\$50.23

Required Selections U.S. Price

Device Type:

- Hardwire No cost
- ADA hardwire No cost
- Modular +\$41.00
- Modular hardwire +\$41.00
- Modular communication +\$49.20
- ADA modular communication +\$49.20



For Canadian Pricing

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

► See page 1 for details.

Electrical Components, continued

Electrical Mounting Bracket - Utility Panel▶ Page 194 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price
FEPMBEU	\$41.00

Required Selections	U.S. Price
Device Type:	
• Hardwire shallow	No cost
• Hardwire deep	No cost
• Modular	+\$8.20

Utility Panel Cover▶ Page 195 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price	
	Per Cover	Per Inch
FEUPC	\$226.53	+\$0.21

Required Selections	U.S. Price
Bottom Alignment Type:	
• To the skin	No cost
• To the floor	No cost
Cut-out Count:	
• No cut-outs	No cost
• 1 hole	No cost
• 2 holes	No cost
• 3 holes	No cost
Cut-out Type (for each cut-out specified):	
• Clearance notch	No cost
• Hardwire - 2x4 rectangular	+\$ 6.15
• Modular power	+\$12.30

Options	U.S. Price
Surface Materials:	
• Paint price group 1	No cost
• Paint price group 2	+\$15.38
• Paint price group 3	+\$23.58
• Anodized	+\$43.05

**For Canadian Pricing**

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

▶ See page 1 for details.

Single Monitor Shroud► Page 198 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price
FEMSS	\$ 2408.75
.	.

Required Selections U.S. Price**Width:**

• 34.5"	—\$ 98.40
• 42"	No cost
• 48"	+\$ 102.50
• 54"	+\$ 347.48
• 60"	+\$ 620.13
• 63.5"	+\$ 802.58
• 70"	+\$ 995.28
• 80"	+\$1199.25
• 89"	+\$1415.53

Building Connection Type:

• Hardwire	No cost
• Modular	No cost

Wiring Schematic:**(only required when building connection type is modular):**

• 3+1	No cost
• 2+2	No cost
• 3SN	No cost

Options U.S. Price**Surface Materials:**

• Anodized	No cost
• Paint price group 1	+\$ 109.68
• Paint price group 2	+\$ 109.68
• Paint price group 3	+\$ 154.78
• Plastic	No cost

Double Monitor Shroud► Page 199 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price
FEMSD	\$3856.05
.	.

Required Selections U.S. Price**Width:**

• 96"	No cost
• 103"	+\$386.43
• 120"	+\$810.78

Building Connection Type:

• Hardwire	No cost
• Modular	No cost

Wiring Schematic**(only required when building connection type is modular):**

• 3+1	No cost
• 2+2	No cost
• 3SN	No cost

Options U.S. Price**Surface Materials:**

• Anodized	No cost
• Paint price group 1	+\$184.50
• Paint price group 2	+\$184.50
• Paint price group 3	+\$242.93
• Plastic	No cost

Camera Shelf for Monitor Shroud► Page 200 of the *V.I.A. Specification Guide*.

• Style Number	• U.S. Base Price
FEMSCS	\$330.05
.	.

Options U.S. Price**Surface Materials:**

• Paint price group 1	No cost
• Paint price group 2	No cost
• Paint price group 3	+\$27.68

**For Canadian Pricing**

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

► See page 1 for details.

Ceramic Skin with ēno

► Page 203 of the *V.I.A. Specification Guide*.

•Style Number	•U.S. Base Price
FESCE	\$3587.50

Required Selections U.S. Price

Width:

72" wide skin	No cost
96" wide skin	+\$1052.68



For Canadian Pricing

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

► See page 1 for details.

Hang-On Components

On-Module Cantilever

► Page 202 of the *V.I.A. Specification Guide*.

Style Number	U.S. Price
VUCANT	\$105.00

Options	U.S. Price
Surface Materials:	
• Paint price group 1	No cost
• Paint price group 2	No cost

Side Support Brackets

► Page 202 of the *V.I.A. Specification Guide*.

Style Number	U.S. Price
VUSSBR	\$38.00



For Canadian Pricing

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

► See page 1 for details.

Lighting

Ambient LED Light

► Page 204 of the *V.I.A. Specification Guide*.

Style Number	U.S. Base Price	
	Per Cover	Per Inch
FELLA	\$922.00	+\$14.35

Options	U.S. Price	
Surface Materials:	Per Light	Per Inch
• Anodized	No cost	N.A.
• Paint price group 1	+\$ 8.20	N.A.
• Paint price group 2	+\$ 15.38	N.A.
• Paint price group 3	+\$ 23.58	N.A.

LED Driver

► Page 204 of the *V.I.A. Specification Guide*.

Style Number	U.S. Price
FELPS	\$485.85



For Canadian Pricing

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

► See page 1 for details.

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