

# V.I.A.

## Specification Guide

### Availability

**Electronic price list updated** with release 190.A (U.S.) and 151.A (Canada), dated April 15, 2019.

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

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

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

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

### Surface Materials

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

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

© 2019 Steelcase Inc.

### Prices

Contact Scott Alberty ([salberty@steelcase.com](mailto:salberty@steelcase.com)) for current prices.

### Working With This Specification Guide

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

### Statement of Line

### Understanding

Structural Frame Components	22
Captured Glass Frames	28
Skins	32
Reversible Swing Doors	38
Slider Doors	44
Intersections—Junctions and Adapters	60
Mini Ends	66
Cutable Ends	68
Electrical Components	70
Electrical Wiring Schematics	76
How to Calculate Power Needs	77
Technology Components	78
Hang-On Components	84
V.I.A. Planning Dimensions	93
Planning with Solid Skins and Landscape Oriented Components	94
Acoustic Planning Considerations	100
Lighting	104

### Specifying

Structural Frame Components	109
Captured Glass Frames	123
Skins	131
Reversible Swing Doors	145
Slider Doors	157
Intersections—Junctions and Adapters	167
Mini Ends	181
Cutable Ends	185
Electrical Components	189
Technology Components	199
Hang-On Components	205
Lighting	207

### Surface Materials

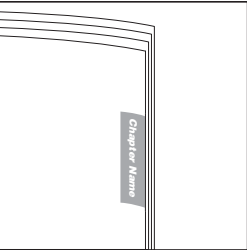
### Resources

209

217

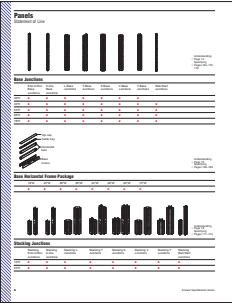
# Ten Tips: How to Get the Most Out of This Book

## Tip 1



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

## Tip 2



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

## Tip 3



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

## Tip 4

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

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

### Product Drawing

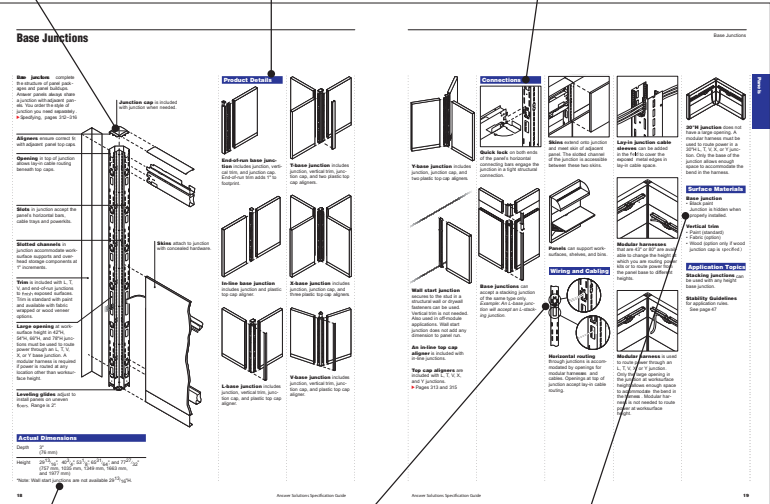
shows you what the product looks like and points out important features.

### Product Details

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

### Connections

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



### Actual Dimensions

table lists the dimensions of the product.

### Wiring and Cabling

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

### Surface Materials

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

### 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.

**Product Drawing**

**Standard Includes**

- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim

**Required to Specify**

- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim

**Options**

Options	Unit Price	Required to Specify
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim

**Related Products**

Related Products	Unit Price	Required to Specify
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim

**Product Drawing**

**Standard Includes**

- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim

**Required to Specify**

- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim
- Standard horizontal frame package—thin trim

**Options**

Options	Unit Price	Required to Specify
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim

**Related Products**

Related Products	Unit Price	Required to Specify
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim
Standard horizontal frame package—thin trim	No cost	Specify with thin trim

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

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

### Tip 6

#### Required to Specify

Specify with Customiz Stain

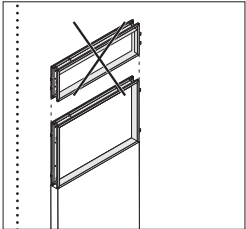
**Italic typeface** on specifying pages usually identifies wording that you should use in your order.

### Tip 7

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

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

### Tip 8



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

### Tip 9

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

### Tip 10

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

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

# Additional Resources

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

**Product brochures and planning tools** can be ordered through your Steelcase area office by calling 1.800.784.0358 or through Marketing Resources web site at [village.steelcase.com](http://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](mailto:SmartTools@steelcase.com)), the ProjectMatrix ProjectSymbols libraries.

## Digital Publications

You can access these digital publications at [www.steelcase.com](http://www.steelcase.com) or [village.steelcase.com](http://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](http://village.steelcase.com).

Four modules are web-based, interactive courses filled with pictures, detailed positioning, statement of line, and feature benefit information, as well as practice exercises designed to build knowledge of the products. The online courses also provide printable job aids of all content covered in the courses to serve as on going performance support. The available courses are:

- What is V.I.A.—SAL461
- Selling V.I.A.—SAL462
- Managing V.I.A. Installation—SAL466
- V.I.A. Order Fulfillment—SAL467 (Winter 2014)

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

Instructor led courses for V.I.A. are:

- V.I.A. Sales Simulation Workshop—SAL463
- Installing V.I.A.—SAL464
- V.I.A. Application and Specification Using Smart Tools—SAL465

Additionally, there are two courses available to address the positioning of Architectural Solutions in general:

- Architectural Solutions—SAL242
- The AS Value Proposition—SAL258

## Support

### Steelcase Capabilities

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

**For ordering or product assistance,** please call line one at 1.888.STEELCASE (1.888.783.3522) or send an e-mail to [lineone@steelcase.com](mailto: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](http://www.steelcase.com).

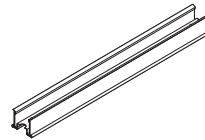
## Structural Frame Components



Understanding  
 ▶ Page 22  
 Specifying  
 ▶ Page 110

### Post

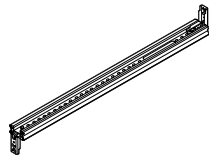
15"–144"



Understanding  
 ▶ Page 22  
 Specifying  
 ▶ Page 111

### Structural Horizontal

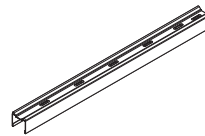
6"–120"



Understanding  
 ▶ Page 22  
 Specifying  
 ▶ Page 111

### Intermediate Horizontal

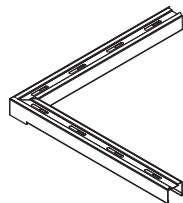
6"–120"



Understanding  
 ▶ Page 22  
 Specifying  
 ▶ Page 112

### Straight Ceiling Track

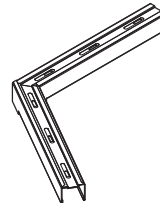
120' 144'



Understanding  
 ▶ Page 22  
 Specifying  
 ▶ Page 112

### Corner Fixed Angle Ceiling Track

90° 120° 135°



Understanding  
 ▶ Page 22  
 Specifying  
 ▶ Page 113

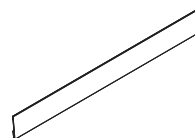
### Corner Variable Angle Ceiling Track

91°–179°



Understanding  
 ▶ Page 22  
 Specifying  
 ▶ Page 114

### T/X Ceiling Track Bracket



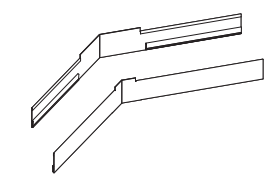
Understanding  
 ▶ Page 22  
 Specifying  
 ▶ Page 115

### Straight Base Trim

120" 144"



Structural Frame Components, continued

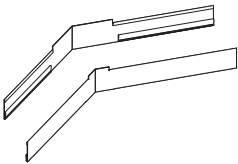


Understanding  
▶ Page 22  
Specifying  
▶ Page 115

Corner Fixed Angle Base Trim

90°      120°      135°

•      •      •

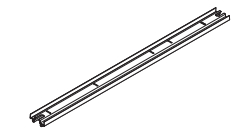


Understanding  
▶ Page 22  
Specifying  
▶ Page 116

Corner Variable Angle Base Trim

91°–179°

•



Understanding  
▶ Page 22  
Specifying  
▶ Page 117

Floor Track

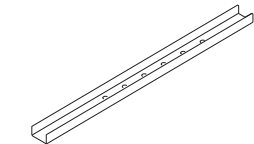
6"–120"

•



Understanding  
▶ Page 22  
Specifying  
▶ Page 117

Floor Track Spring



Understanding  
▶ Page 22  
Specifying  
▶ Page 118

Floor Guide



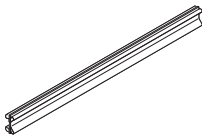
Understanding  
▶ Page 22  
Specifying  
▶ Page 121

Post Acoustic Seal Packages



Understanding  
▶ Page 22  
Specifying  
▶ Page 119

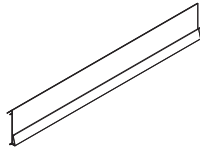
Short Post Leveler Bracket



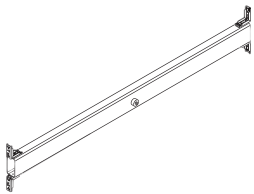
Understanding  
▶ Page 22  
Specifying  
▶ Page 121

Intermediate Horizontal Acoustic Seals

Structural Frame Components, continued



Understanding  
▶ Page 22  
Specifying  
▶ Page 121



Understanding  
▶ Page 22  
Specifying  
▶ Page 122

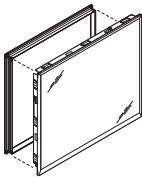
Structural Horizontal Acoustic Seals

Structural Beam

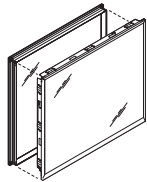
12"–120"W



Captured Glass Frames



Understanding  
▶ Page 28  
Specifying  
▶ Page 124



Understanding  
▶ Page 28  
Specifying  
▶ Page 125

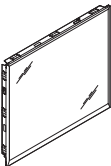
Single Glazed Captured Glass Frame

12"–141.71654"H x 12"–120"W

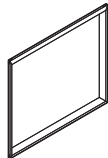


Double Glazed Captured Glass Frame

12"–141.71654"H x 12"–120"W



Understanding  
▶ Page 28  
Specifying  
▶ Page 126



Understanding  
▶ Page 28  
Specifying  
▶ Page 127

Single Side Captured Glass Frame—Side A and Side C

12"–141.71654"H x 12"–120"W

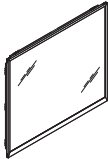


Single Side Captured Glass Frame—Side B

12"–141.71654"H x 12"–120"W



Captured Glass Frames, continued

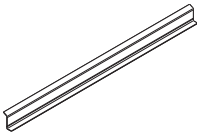


Understanding  
▶ Page 28  
Specifying  
▶ Page 127

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

12"–120"H x 12"–120"W

●

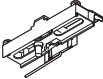


Understanding  
▶ Page 28  
Specifying  
▶ Page 128

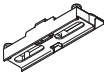
**Acoustic Seal for Captured Glass**

24"W	48"W	72"W	96"W	120"W
●	●	●	●	●


Brackets and T Nuts




**Locking Bracket**  
Specifying  
▶ Page 129



**Non-Locking Bracket**  
Specifying  
▶ Page 129

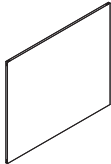


**Load Bracket**  
Specifying  
▶ Page 129



**T Nuts**  
Specifying  
▶ Page 130

Skins

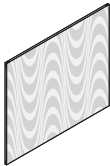


Understanding  
▶ Page 32  
Specifying  
▶ Page 132

**Solid Steel Skin**

6"–141.71654"H x 6"–120"W

●



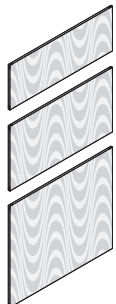
Understanding  
▶ Page 32  
Specifying  
▶ Page 134

**Solid Veneer Skin**

6"–120"H x 6"–120"W

●

## Skins, continued

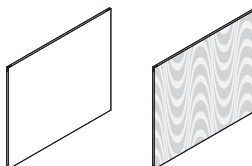


Understanding  
 ▶ Page 32  
 Specifying  
 ▶ Page 136

### Solid Veneer Skin Set

12"—118"H x 12"—118"W

•

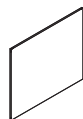


Understanding  
 ▶ Page 32  
 Specifying  
 ▶ Page 138

### Solid Laminate Skin

6"—120"H x 6"—120"W

•

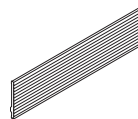


Understanding  
 ▶ Page 32  
 Specifying  
 ▶ Page 140

### Ceramic Skin

24"—120"H x 24"—120"W

•



Understanding  
 ▶ Page 32  
 Specifying  
 ▶ Page 141

### Slatwall Skin

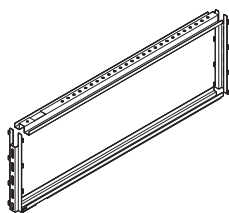
6"H x 24"—60"W    12"H x 24"—60"W    18"H x 24"—60"W    24"H x 24"—60"W

•

•

•

•



Understanding  
 ▶ Page 32  
 Specifying  
 ▶ Page 141

### Double Slatwall Skin Hardware

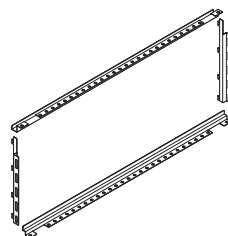
6"    12"    18"    24"

•

•

•

•



Understanding  
 ▶ Page 32  
 Specifying  
 ▶ Page 142

### Single Slatwall Skin Hardware

6"    12"    18"    24"

•

•

•

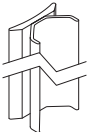
•

Skins, continued



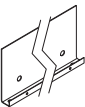
Understanding  
▶ Page 32  
Specifying  
▶ Page 142

Flush Skin Seal



Understanding  
▶ Page 34  
Specifying  
▶ Page 143

90° Inside Corner Flush Skin Seal



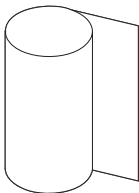
Understanding  
▶ Page 34  
Specifying  
▶ Page 143

Cove Base Trim - Straight



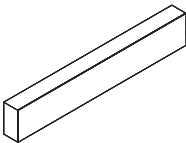
Understanding  
▶ Page 32  
Specifying  
▶ Page 143

Junction Cover Retention Clip



Understanding  
▶ Page 32  
Specifying  
▶ Page 144

Acoustic Insulation



Understanding  
▶ Page 32  
Specifying  
▶ Page 144

Acoustic Skin Seal

## Reversible Swing Doors



Understanding  
 ▶ Page 38  
 Specifying  
 ▶ Page 146

### Single Reversible Swing Door Frame

82.44100"—123.71627"H x 28—44.445"



Understanding  
 ▶ Page 38  
 Specifying  
 ▶ Page 147

### Single Reversible Solid Swing Door Leaf

82.44100"—123.71627"H x 28—44.445"



Understanding  
 ▶ Page 38  
 Specifying  
 ▶ Page 148

### Single Reversible Polished Edge Swing Door Leaf

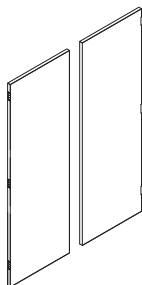
82.44100"—123.71627"H x 28—44.445"



Understanding  
 ▶ Page 38  
 Specifying  
 ▶ Page 149

### Pair of Reversible Swing Door Frames

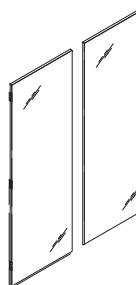
82.44100"—123.71627"H x 48"—80"



Understanding  
 ▶ Page 38  
 Specifying  
 ▶ Page 150

### Pair of Reversible Solid Swing Door Leaves

82.44100"—123.71627"H x 48"—80"



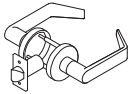
Understanding  
 ▶ Page 38  
 Specifying  
 ▶ Page 151

### Pair of Reversible Polished Edge Swing Door Leaves

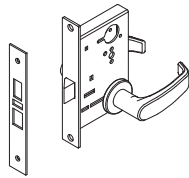
82.44100"—123.71627"H x 48"—80"



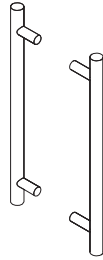
## Door Hardware



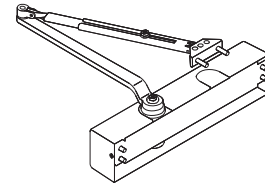
**Cylindrical Latch Set**  
Specifying  
▶ Page 152



**Mortise Latch Set**  
Specifying  
▶ Page 152



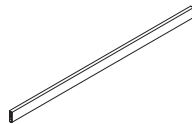
**Push/Pull Handle**  
Specifying  
▶ Page 153



**Door Closer**  
Specifying  
▶ Page 153



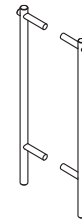
**Roller Latch**  
Specifying  
▶ Page 153



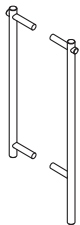
**Door Drop Seal**  
Specifying  
▶ Page 154



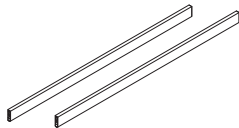
**Electric Hinge**  
Specifying  
▶ Page 154



**Ladder Pull, Aligned**  
Specifying  
▶ Page 155



**Ladder Pull, Offset**  
Specifying  
▶ Page 155



**Door Drop Seals**  
Specifying  
▶ Page 156



**Flush Bolts**  
Specifying  
▶ Page 156

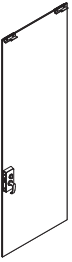
Slider Doors



Understanding  
▶ Page 44  
Specifying  
▶ Page 158

Single Surface Mounted Slider Door Frame

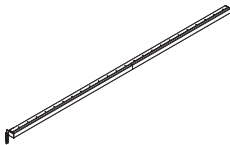
80.984"–120"H x 38–48"W



Understanding  
▶ Page 44  
Specifying  
▶ Page 159

Single Surface Mounted Polished Edge Slider Door Leaf

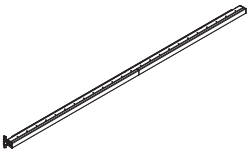
80.984"–120"H x 38–48"W



Understanding  
▶ Page 44  
Specifying  
▶ Page 160

Basic Single Surface Mounted Slider Door Track

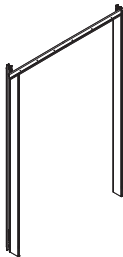
6"–144"W



Understanding  
▶ Page 44  
Specifying  
▶ Page 161

Reinforced Single Surface Mounted Slider Door Track

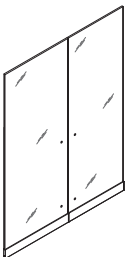
98.00001"–168"W



Understanding  
▶ Page 44  
Specifying  
▶ Page 162

Frame for Pair of Surface Mounted Slider Doors

80.984"–120"W



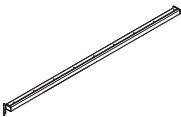
Understanding  
▶ Page 44  
Specifying  
▶ Page 163

Pair of Surface Mounted Polished Edge Slider Door Leaves

80.984"–120"W



Slider Doors, continued



Understanding  
▶ Page 44  
Specifying  
▶ Page 164

Reinforced Track for Pair of Surface Mounted Slider Doors

106.874"—288"W



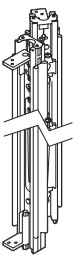
Intersections—Junctions and Adapters



Understanding  
▶ Page 61  
Specifying  
▶ Page 168

Two-Way Fixed Angle Junction Assembly

80"—144"H	90°	120°	135°	180°
	●	●	●	●



Understanding  
▶ Page 61  
Specifying  
▶ Page 169

Two-Way Variable Angle Junction Assembly

80"—144"H	91°–179°
	●

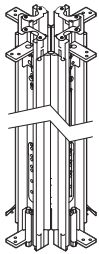
# Intersections—Junctions and Adapters, continued



Understanding  
 ▶ Page 61  
 Specifying  
 ▶ Page 170

## Three-Way Junction Assembly

80"—144"H	90°	120°	135°
	•	•	•



Understanding  
 ▶ Page 61  
 Specifying  
 ▶ Page 171

## Four-Way Junction Assembly

80"—144"H
•



Understanding  
 ▶ Page 60  
 Specifying  
 ▶ Page 172

## Inner Junction Cover

77.71654"—141.71654"H	120°	135°
	•	•



Understanding  
 ▶ Page 60  
 Specifying  
 ▶ Page 172

## Variable Angle Inner Junction Cover

77.71654"—141.71654"H	91°–179°
	•



Understanding  
 ▶ Page 60  
 Specifying  
 ▶ Page 173

## 90° Inner Junction Trim

77.71654"—141.71654"H	90°
	•



Understanding  
 ▶ Page 60  
 Specifying  
 ▶ Page 173

## Outer Junction Cover

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

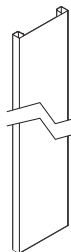
## Intersections—Junctions and Adapters, continued



Understanding  
 ▶ Page 60  
 Specifying  
 ▶ Page 174

## Variable Angle Outer Junction Cover

77.71654"—141.71654"H 91°–179°



Understanding  
 ▶ Page 64  
 Specifying  
 ▶ Page 174

## Bypass Outer Junction Cover

77.71654"—141.71654"H



Understanding  
 ▶ Page 60  
 Specifying  
 ▶ Page 179

## 90° T/X Adapter

77.71654"—141.71654"H



Understanding  
 ▶ Page 60  
 Specifying  
 ▶ Page 179

## Finished End

77.71654"—141.71654"H



## Mini Ends



Understanding  
 ▶ Page 66  
 Specifying  
 ▶ Page 182

## 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)



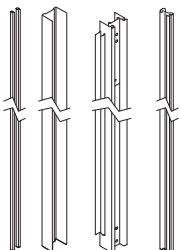
Understanding  
 ▶ Page 66  
 Specifying  
 ▶ Page 182

## 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



Understanding  
 ▶ Page 68  
 Specifying  
 ▶ Page 186

### 90° Cutable End Assembly

80"–144"H



Understanding  
 ▶ Page 68  
 Specifying  
 ▶ Page 186

### 90° Cutable End Inner Channel

48"L      120"L      144"L



Understanding  
 ▶ Page 68  
 Specifying  
 ▶ Page 187

### 90° Cutable End Outer Channel

48"L      120"L      144"L



Understanding  
 ▶ Page 68  
 Specifying  
 ▶ Page 187

### Cutable End Capture Trim

12.1"–144"H



Understanding  
 ▶ Page 68  
 Specifying  
 ▶ Page 188

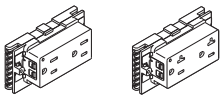
### Cutable End Corner Angle



Understanding  
 ▶ Page 68  
 Specifying  
 ▶ Page 188

### Cutable End Elbow

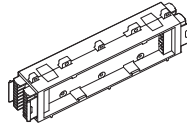
## Electrical Components



**Receptacle**  
Understanding  
▶ Page 72  
Specifying  
▶ Page 190



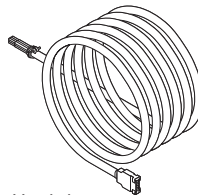
**USB Receptacle**  
Understanding  
▶ Page 72  
Specifying  
▶ Page 191



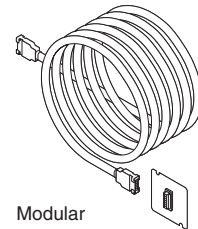
**Power Block**  
Understanding  
▶ Page 72  
Specifying  
▶ Page 191



**Power/Communication Receptacle Trim**  
Understanding  
▶ Page 72  
Specifying  
▶ Page 192



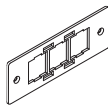
Hardwire



Modular



**Blank Cut-Out Cover**  
Understanding  
▶ Page 72  
Specifying  
▶ Page 192

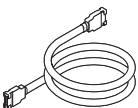


**Modular Communication Faceplate**  
Understanding  
▶ Page 70  
Specifying  
▶ Page 193

**Multipurpose Infeed**  
Understanding  
▶ Page 71  
Specifying  
▶ Page 194



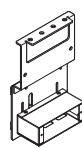
**Power Block Connector**  
Understanding  
▶ Page 72  
Specifying  
▶ Page 194



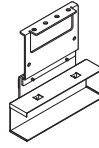
**Modular Harness**  
Understanding  
▶ Page 70  
Specifying  
▶ Page 195



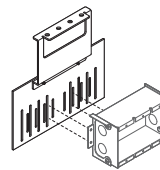
**Harness-to-Harness Branching Connector**  
Understanding  
▶ Page 72  
Specifying  
▶ Page 195



Data

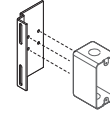


Modular

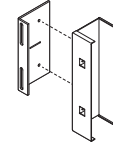


Hardwire

**Electrical Mounting Bracket-Skin**  
Understanding  
▶ Page 70  
Specifying  
▶ Page 196



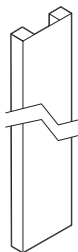
Hardwire box



Modular power block

**Electrical Mounting Bracket- Utility Panel**  
Understanding  
▶ Page 70  
Specifying  
▶ Page 196

## Electrical Components, continued



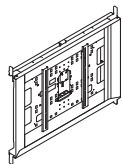
Understanding  
 ▶ Page 73  
 Specifying  
 ▶ Page 197

### Utility Panel Cover

77.71654"–141.71654"H



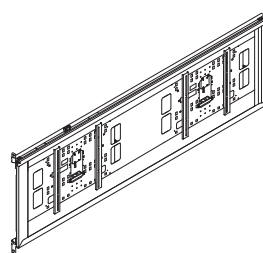
## Technology Components



Understanding  
 ▶ Page 78  
 Specifying  
 ▶ Page 200

### Single Monitor Shroud

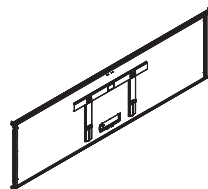
42"W    48"W    54"W    60"W



Understanding  
 ▶ Page 78  
 Specifying  
 ▶ Page 201

### Double Monitor Shroud

96"W



Understanding  
 ▶ Page 78  
 Specifying  
 ▶ Page 202

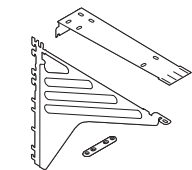
### Monitor Shroud – Microsoft Hub 84" Wide



Understanding  
 ▶ Page 78  
 Specifying  
 ▶ Page 203

### Camera Shelf for Monitor Shroud

Hang-On Components



Understanding  
▶ Page 87  
Specifying  
▶ Page 206

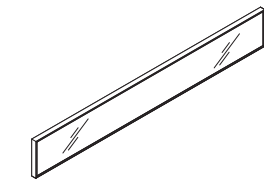
On-Module Cantilever



Understanding  
▶ Page 87  
Specifying  
▶ Page 206

Side Support Brackets

Lighting



Understanding  
▶ Page 104  
Specifying  
▶ Page 208

Ambient LED Light

12"–120"W



Understanding  
▶ Page 105  
Specifying  
▶ Page 208

LED Driver

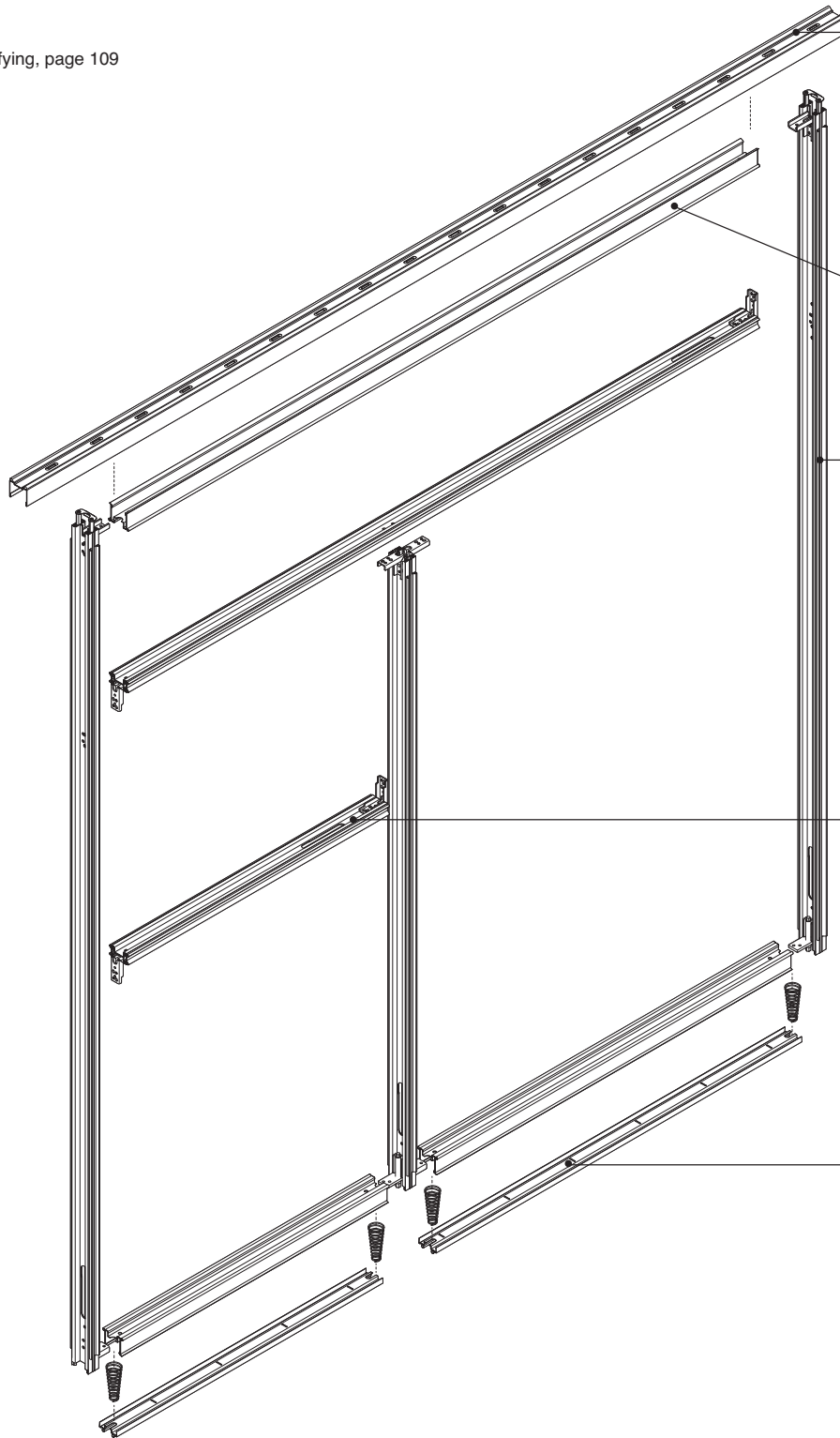
---

# Understanding V.I.A.

<b>Structural Frame Components</b>	<b>22</b>
Ceiling Clip Application	<b>26</b>
<b>Captured Glass Frames</b>	<b>28</b>
<b>Skins</b>	<b>32</b>
<b>Reversible Swing Doors</b>	<b>38</b>
<b>Slider Doors</b>	<b>44</b>
Maximum Door Planning Widths Based On Height	<b>52</b>
Basic Track Versus Reinforced Track	<b>53</b>
Basic Track Examples	<b>54</b>
Reinforced Track Examples	<b>57</b>
Basic Track, Reinforced Track, and Utility Panel	<b>58</b>
Bridging Door Tracks	<b>59</b>
<b>Intersections—Junctions and Adapters</b>	<b>60</b>
Bypass Junction Assembly	<b>64</b>
<b>Mini Ends</b>	<b>66</b>
<b>Cutable Ends</b>	<b>68</b>
<b>Electrical Components</b>	<b>70</b>
<b>Electrical Wiring Schematics</b>	<b>76</b>
<b>How To Calculate Power Needs</b>	<b>77</b>
<b>Technology Components</b>	<b>78</b>
V.I.A. and media:scape Tables—Wiring and Cabling	<b>81</b>
V.I.A. and RoomWizard II	<b>82</b>
<b>Hang-On Components</b>	<b>84</b>
Loading and Stability Guidelines	<b>90</b>
<b>V.I.A. Planning Dimensions</b>	<b>93</b>
<b>Planning with Landscape Oriented Components</b>	<b>94</b>
<b>Landscape Planning Matrices</b>	<b>99</b>
<b>Acoustic Planning Considerations</b>	<b>100</b>
<b>Lighting</b>	<b>104</b>

# Structural Frame Components

► Specifying, page 109



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

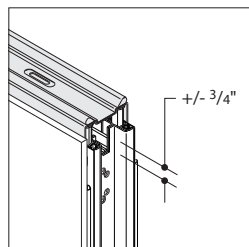
### V.I.A. structural frames

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.

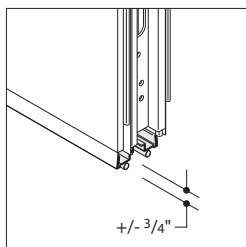
**Power and communication mounting brackets** are attached to structural and intermediate horizontals for positioning modular and hardware electrical components.

► See *Electrical Components*, page 70



**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.

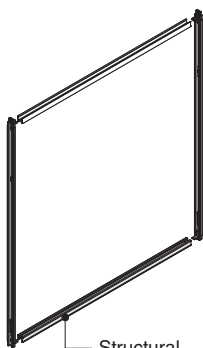


**Floor track** fits between vertical posts, junctions, or adapters. Allows  $\frac{3}{4}$ " of vertical adjustment to accommodate variations at the base of the wall. Floor track is available from 6" to 120"W to fit V.I.A. wall module width.

**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.

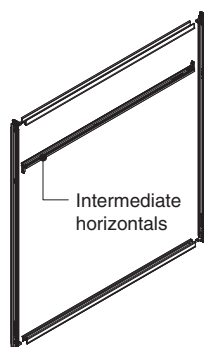


**Structural horizontals** provide structural connection from post to post at the top and bottom of the wall.

**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.

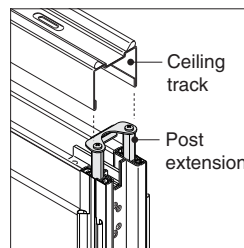
**Skins** can span across intermediate horizontals.

**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.

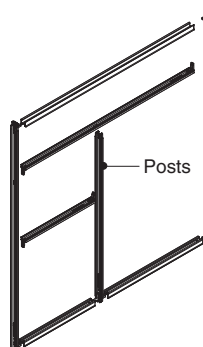
**When the ceiling height exceeds 10'-0"**, posts cannot be spaced more than 48' apart.

**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.

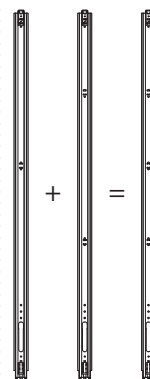


**When connecting at the ceiling track**, the post includes a post extension to accommodate for variation at the ceiling.

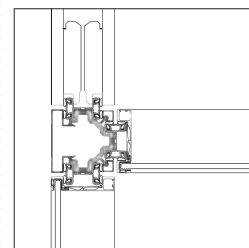


**Posts** are factory prepared to receive intermediate horizontals at specified heights.

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

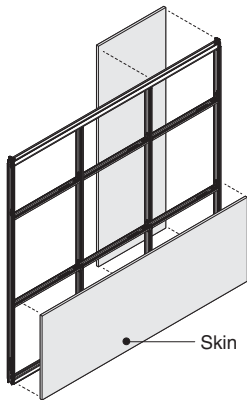


**Posts** can be configured to receive up to 11 intermediate horizontals. Positions are optimized so that multiple segmentation configurations can be applied to every post to create a universal post as appropriate for a specific project. ► See *SmartTools*, page 4



**Multiple posts** are joined together at intersections to create junctions. ► See page 60

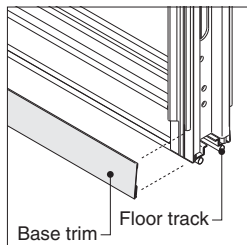
**A cable access hole at the bottom of each post** allows for routing of power and communications cabling.



**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.

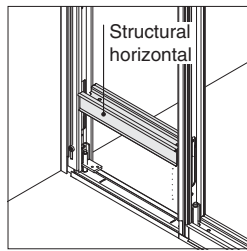
► See page 119



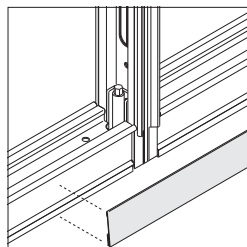
**Base trim** fits into position at the bottom of the wall over the floor track. Two sizes are available: 10' and 12'L. Base trim is cut to length during installation. 12' lengths can be used over larger spans to minimize the number of seams.

## Base trim corner options are:

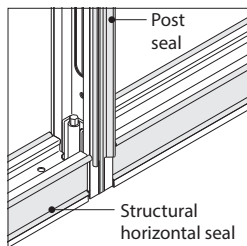
- Fixed angle corners: 90°, 120°, and 135°.
- Variable angle corners: 91° to 119°, 121° to 134°, and, 136° to 179° in 1° increments.



**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:

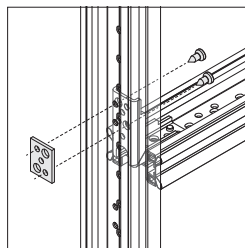
- 1"W exposed T
- 9/16"W exposed T
- 1/4" Donn fineline
- 1/8" Donn fineline
- 1" fluted runner 1/4-20
- 1"W T for tegular ceiling tiles
- 9/16"W T for tegular ceiling tiles

**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 26

**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.

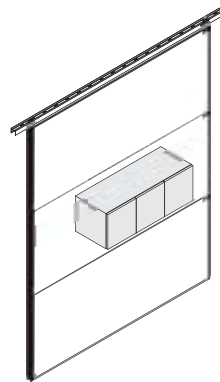
**Screws** affix structural and intermediate horizontals to posts.

**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 118

**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 86

## 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 93

Electrical Components

► See page 70

Acoustic Planning Considerations

► See page 100

Planning with Solid Skins and Landscape Oriented Components

► See page 94

Hang-On Components

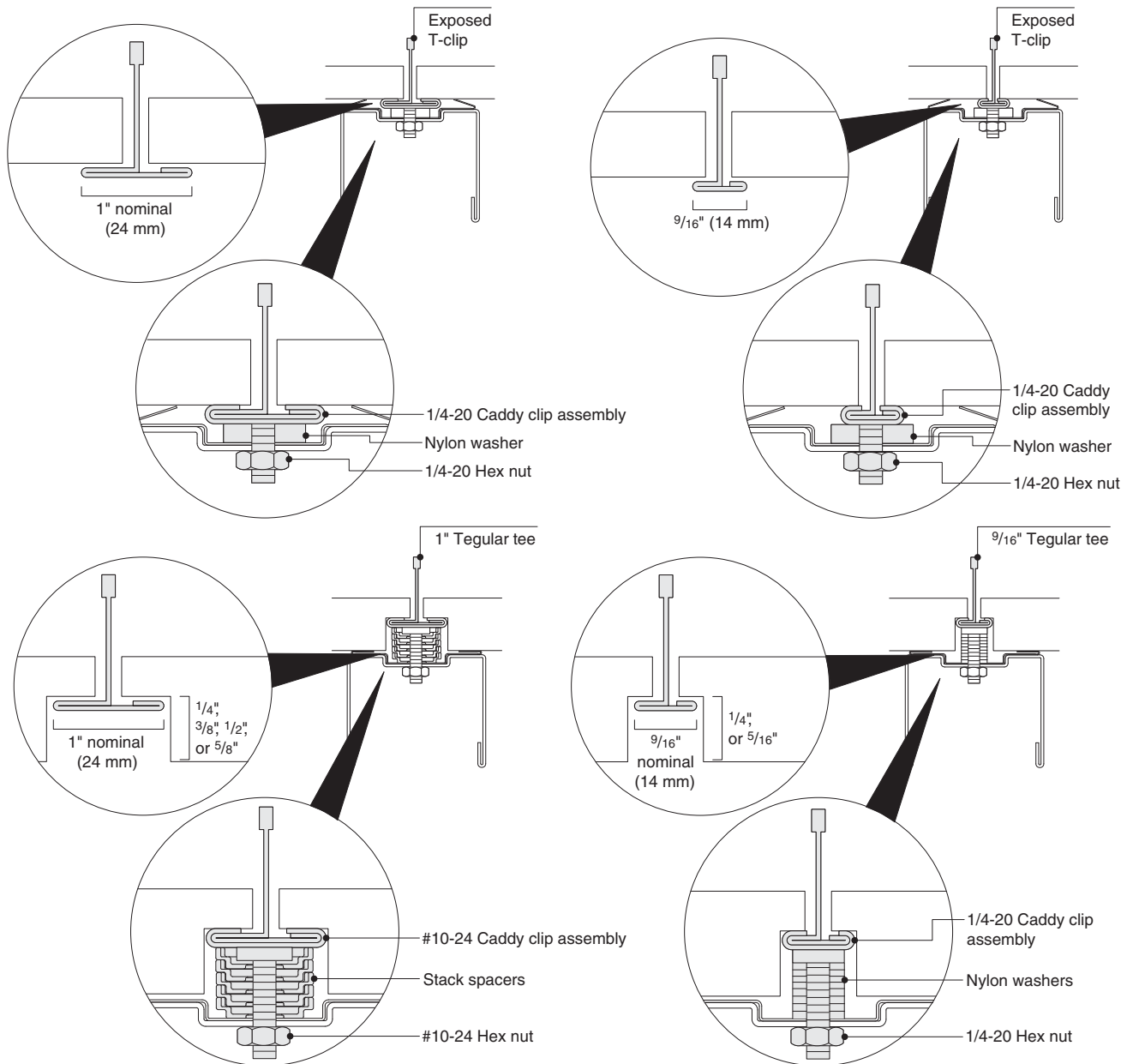
► See page 84



# Ceiling Clip Application

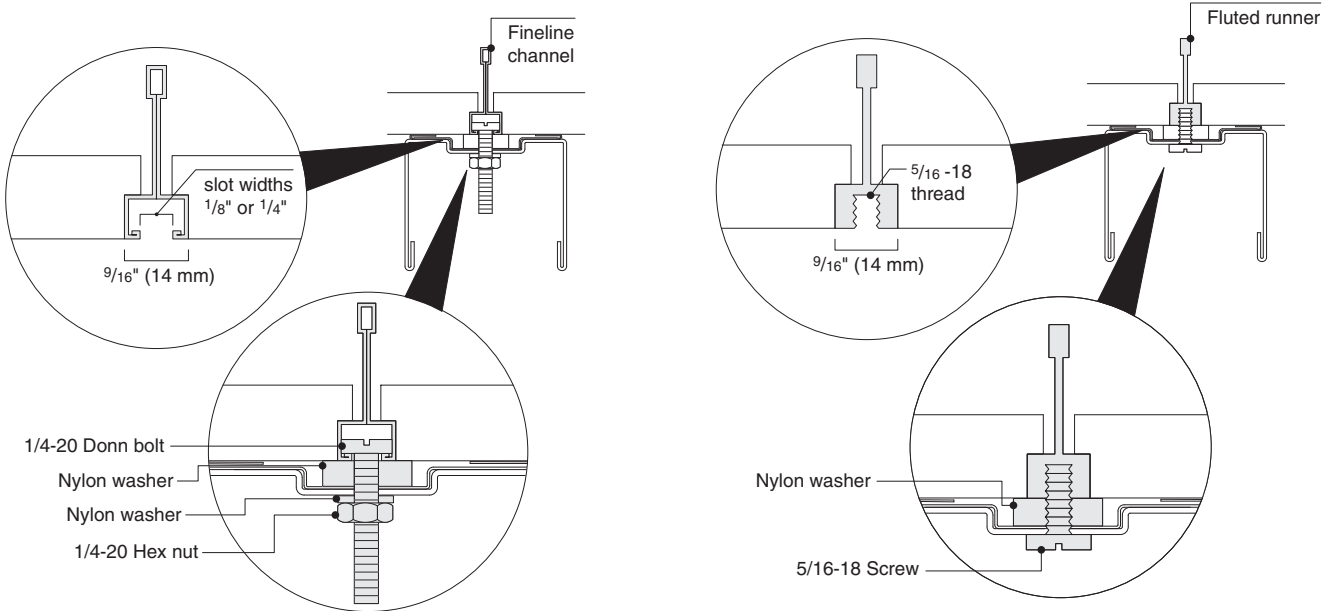
**Note:** All planning and application guidelines contained in this section of the specification guide are based on the requirement that ceiling track is connected to a ceiling in order to properly install and align the wall components as shown. When any partition is fastened to a suspended ceiling grid,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

## T Grid Ceiling Fastener Kits

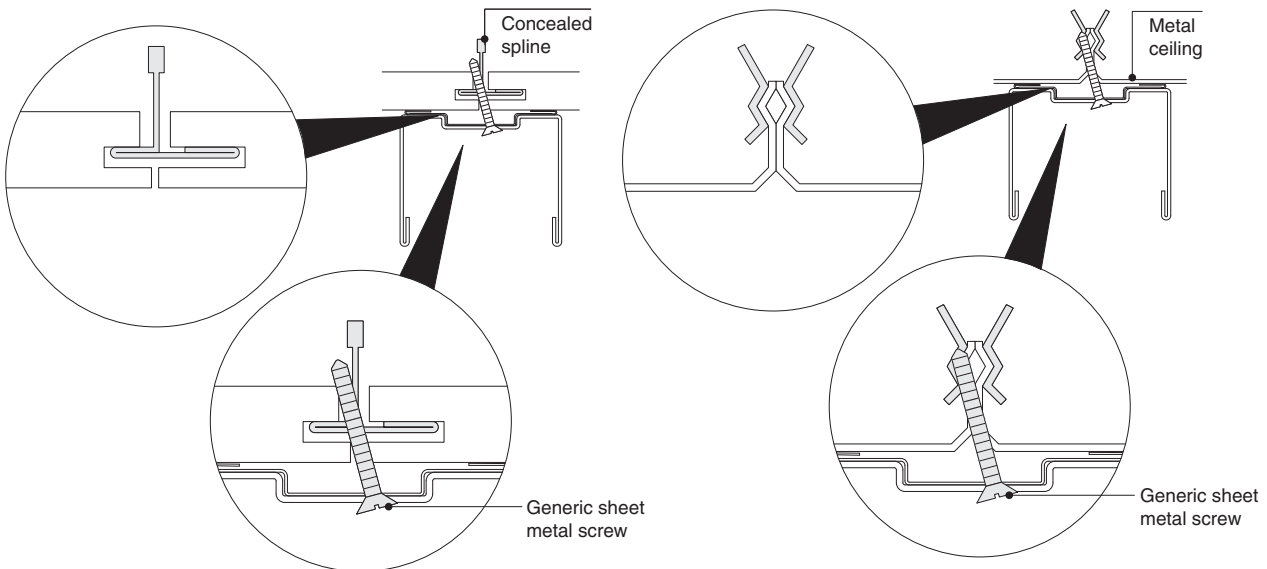


### Bolt Slot Grids Ceiling Fastener Kits

**Ceiling clips** support the most common types of ceiling systems.



### Concealed Grids – Field-Purchased Generic Fasteners



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

Concealed spline	#7 – 17 x 1 <sup>5</sup> / <sub>8</sub> " 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 123

### 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

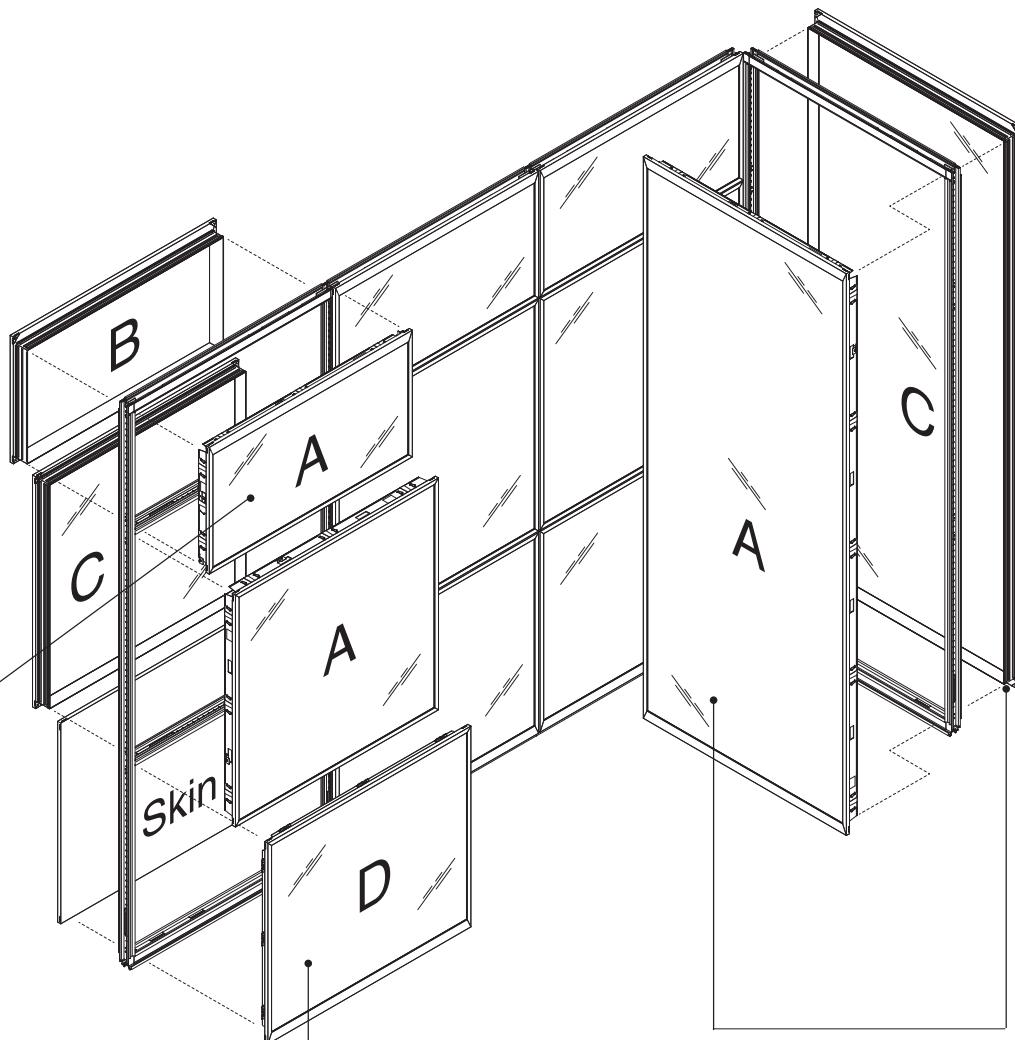
**frames** can be either single or double glazed.

### 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.



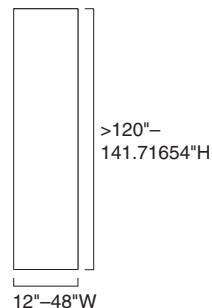
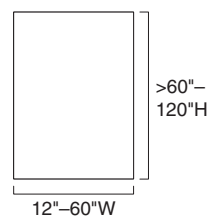
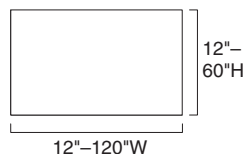
### Back-painted glass frames

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 93, 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:

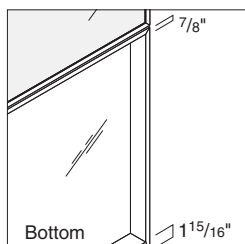
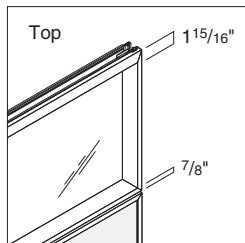
- If 12" to 60"H, then width can be 12"- 120"W.
- If greater than 60" to 120"H, then width can be 12" to 60"W.
- If greater than 120" to 141.71654"H, then width can be 12" to 48"W.

**Minimum frame height in the bottom position** is 15".

**Minimum frame height in the top position** is 12".

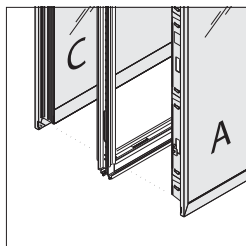
**When the ceiling height exceeds 10'-0"**, posts cannot be spaced more than 48" apart.

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

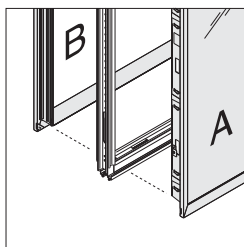


**When segmented, top position frames** are specifically configured to interface with the ceiling track. Bottom position frames are specifically configured to interface with the floor track. Intermediate frames can be installed in any intermediate position.

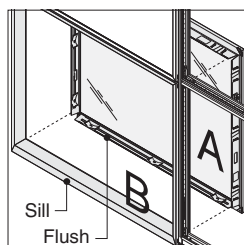
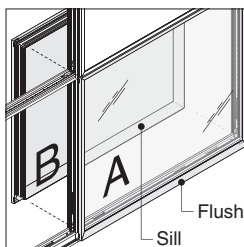
**Captured glass frames** are interchangeable with solid skins of the same size and orientation.



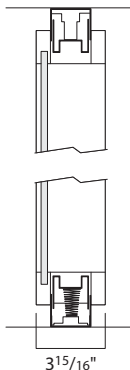
**Captured glass frames** consist of two sub-assemblies that engage with one another to create a finished frame.



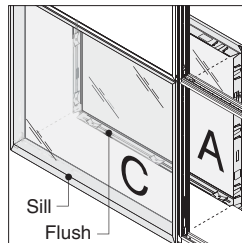
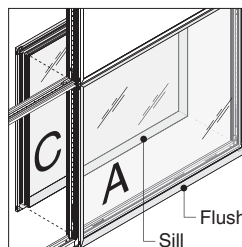
**Single glazed frames** are designed with a flush glazed side (side A) and a sill side (side B) to finish out the opening.



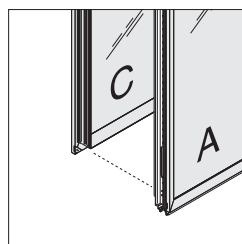
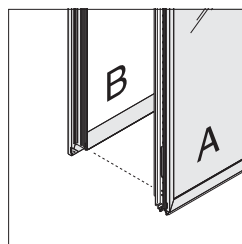
**The flush side of a glass frame** can be oriented to either face of the wall, without regard for other adjacent components.



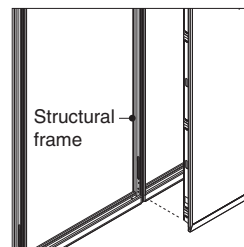
**The overall wall thickness** is  $3\frac{15}{16}$ ".



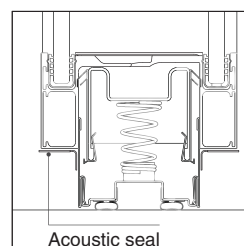
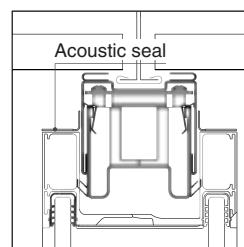
**Double glazed frames** are designed with two flush glazed sides. Side A is the same configuration as side A used in a single glazed frame. The other glazed side (side C) engages with side A to create a finished assembly.



**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.

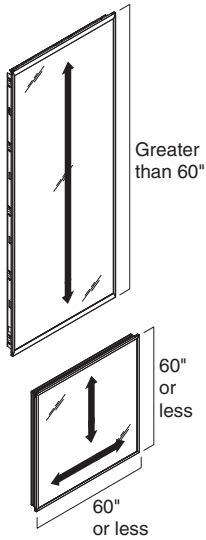
**Glass frame acoustic seals** are specified at the top and/or bottom of a double glazed frame, where it comes into contact with the ceiling track or base trim.

**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.

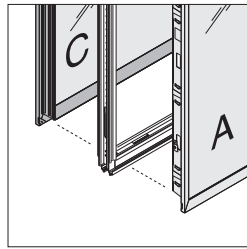
**Different types and thicknesses of glass** may change the overall acoustic performance of a glass wall.

► See page 102 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.*

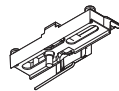
**Certain etched or pattern glass types** are polished on one face, and rough (etched or pattern) on the other. When defining the surface orientation of a glass frame, it is also important to consider the surface orientation of these types of glass. When planning with etched glass, the polished face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



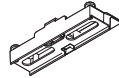
**Captured glass frames** can be different finishes from one side to the other (side A and C).

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

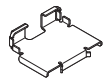
**To change from single-glazed to double-glazed or vice versa**, individual captured glass frames can be ordered (sides A, B, or C).



Locking bracket



Non-Locking bracket

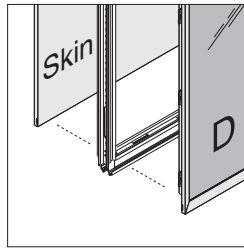


Load bracket



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 35.

**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 131

**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.

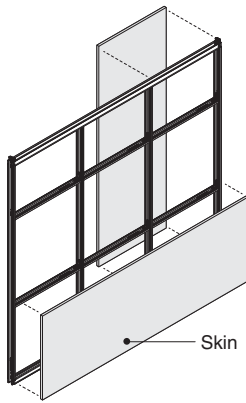
**Laminate skins** provide a lower priced alternative to painted steel and veneer.

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

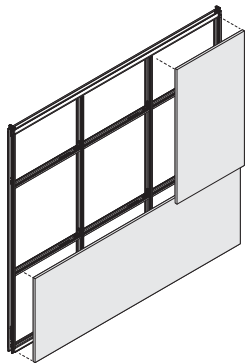
## Product Details

► See *V.I.A. Planning Dimensions*, page 93, 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.



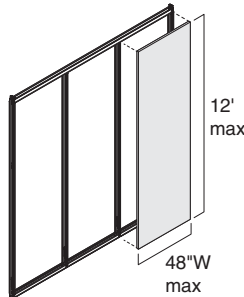
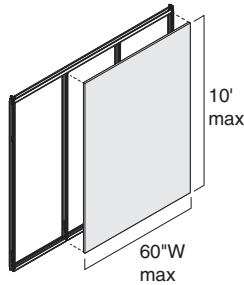
**Skins** can span structural framing elements, allowing for different skin geometry on opposite sides of a wall.



**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.



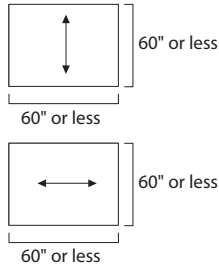
**Steel portrait oriented skins** can be specified in ceiling heights from 6'-8" to 12'-0". Maximum skin planning width is 60"W up to 10'-0" ceiling height and 48"W up to 12'-0" ceiling height.

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

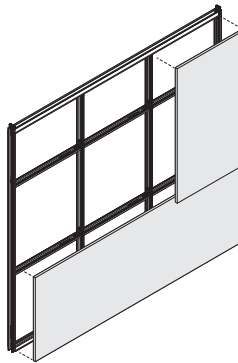
**When orienting skins horizontally**, the minimum dimension is 6"H x 15"W. The maximum dimension is 60"H x 120"W.

**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.

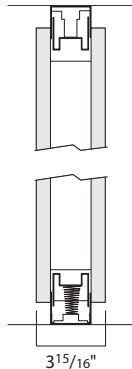


**When the skin size is 60" or less in width and height**, the fabric warp direction can be specified to run vertically or horizontally.



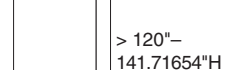
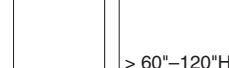
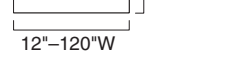
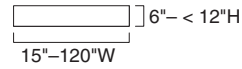
**Skins** can span across posts and intermediate horizontals.

**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 93.



**The overall wall thickness** is 3<sup>15</sup>/<sub>16</sub>".

## Steel Skins



### Steel skins height range:

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

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

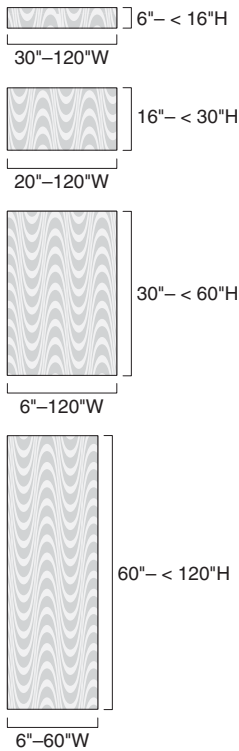
**Minimum skin size** is 6"W x 15"H or 15"W x 6"H. One dimension must equal 15".

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

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

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

## 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

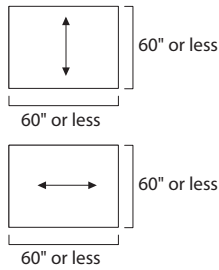
**Width range** is 6" to 120"W, depending on height rules above.

**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).

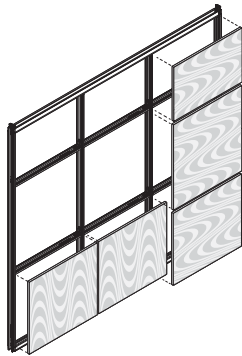
**When the width or height of a veneer or wood grain plastic laminate skin exceeds 60"**, the grain pattern will run parallel to the long dimension.



**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.

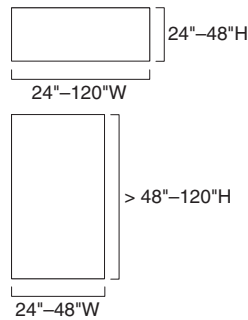
► See *Pleasing Match—Veneer*, page 214



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

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

## Ceramic Skins



### Ceramic skins height range:

- If 24" to 48"H, then 24" to 120"W
- If greater than 48" to 120"H, then 24" to 48"W

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

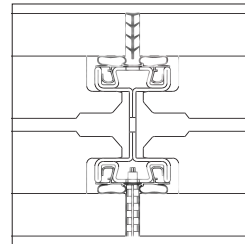
**Ceramic skins** can be mounted in top, bottom, and intermediate positions. There are no restrictions with the opposite side of the wall when using a ceramic skin.

**V.I.A. ceramic skins** incorporate the e<sup>3</sup> environmental CeramicSteel surface.

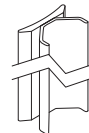
**Ceramic skins** do not accommodate electrical cutouts.

## Healthcare Settings

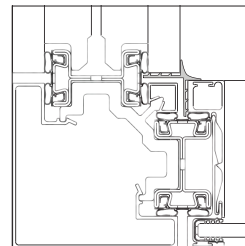
**In applications that require flush vertical surfaces to support infection prevention and improved cleanability**, supplemental trims can be specified at skins and base trim.



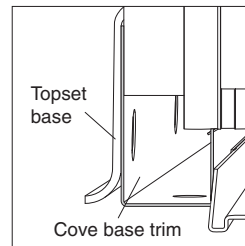
Flush skin seal



**Flush skin seals** are available in a translucent finish.



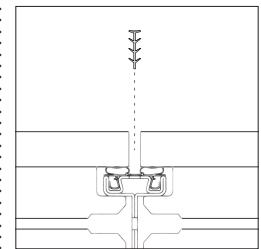
90° inside corner flush skin seal



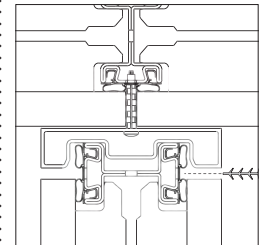
Cove base trim

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

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



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

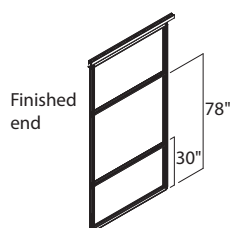
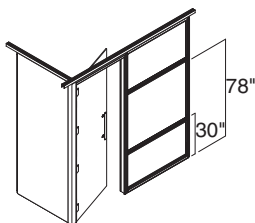


**Flush skin seals** are positioned at inside corner reveals with 90°, 120°, and 135° junctions. They cannot be used at T adapters or variable angle junctions.

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

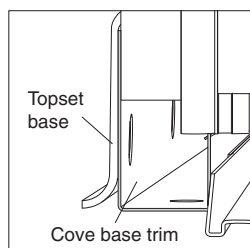
**Flush skin seals** are intended for use with paint, laminate, and ceramic skins. They are also inserted between skins and junction covers, or mini-ends and door frames. If desired, flush seals can also be used at fabric skins and captured glass frames.

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



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

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



**Cove base trims** are provided in straight lengths, and cut to size by the installer.

*Tip: When using surface applied base, skins are not removed and accessed as easily.*

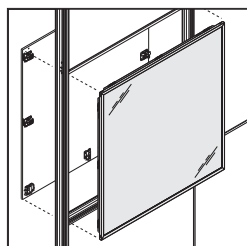
*Tip: Topset base is glued to cove base trim. It is not glued to skin.*

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

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

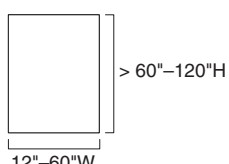
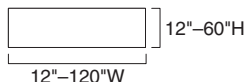
**Three junction retention clips** should be used for ceiling heights of 120" or less, and four clips for ceiling heights greater than 120". Seals are not reusable.

### Back-Painted Glass Frames



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

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.

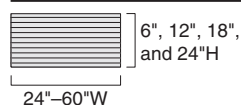
**Back-painted glass frames** are configured to allow placement of solid skins on the opposite face of the wall.

**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



**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 100

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

► See *Acoustic Planning Considerations*, page 96

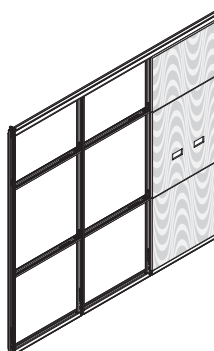
### Wiring & Cabling

**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](http://www.steelcase.com) or [srh.steelcase.com](http://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.

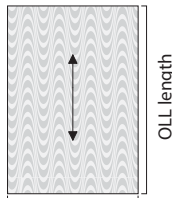
Planner must identify the maximum OLL sheet size as defined by the manufacturer, which will limit the maximum skin sizes that will receive these laminates.



OLL width or less



OLL width or less



OLL width or less

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 93

Electrical Components  
▶ See page 70

Hang-On Components  
▶ See page 84



# 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.

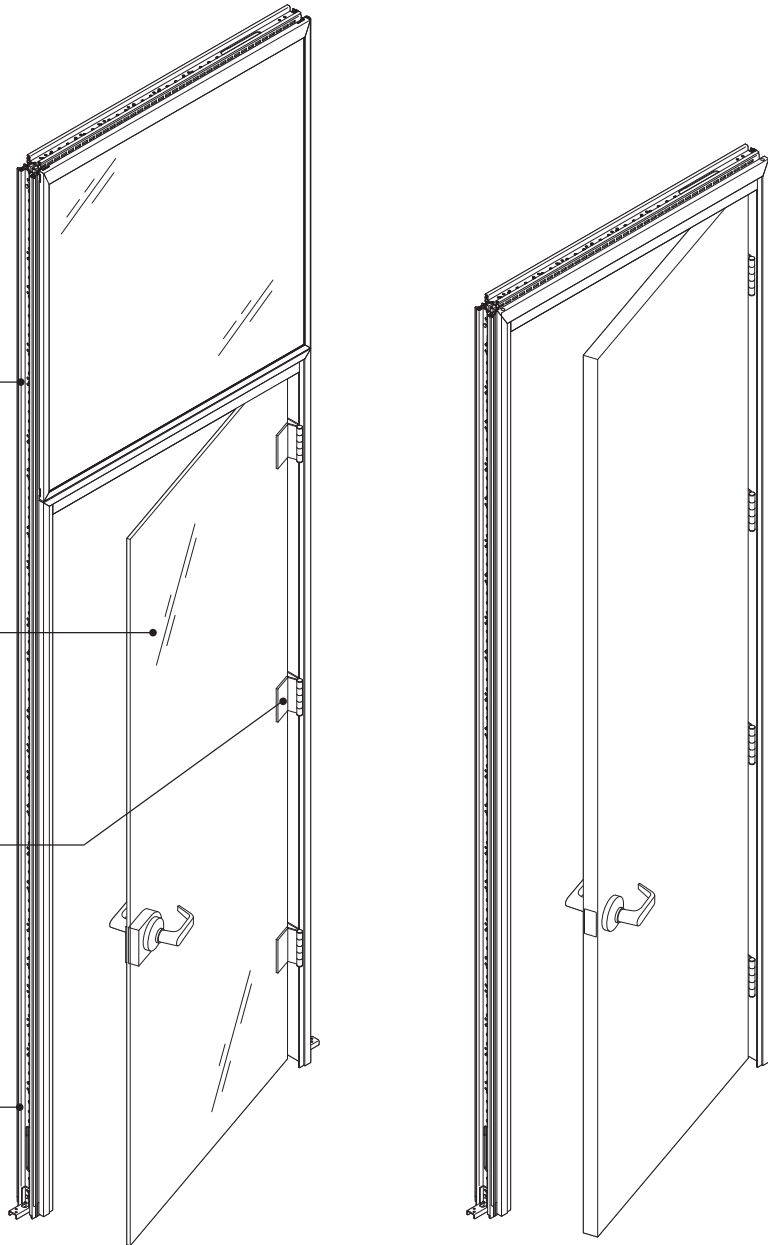
► Specifying, page 145

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

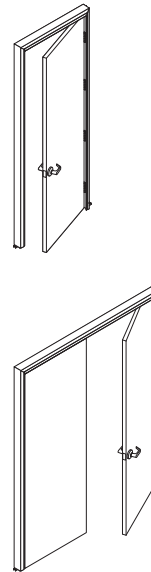
**Door leaves** accommodate latch sets or door pulls and are available in solid or polished edge glass.

**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.

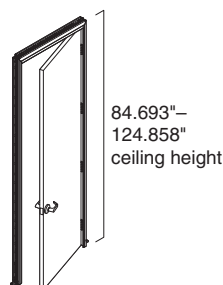


## Product Details

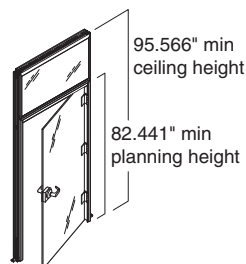


**Single and pair versions of doors and door frames** are available.

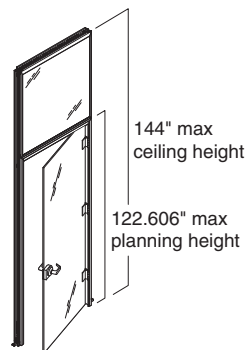
► See *V.I.A. Planning Dimensions*, page 93, for important information regarding dimensional references for all V.I.A. components.



Full height



Transom height minimum



Transom height maximum

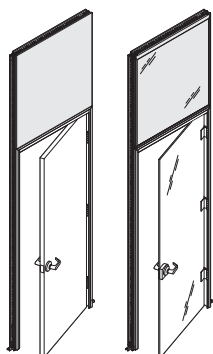
**Door frames** are available in full height and transom height configurations, and are parametric.

Height range:

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

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

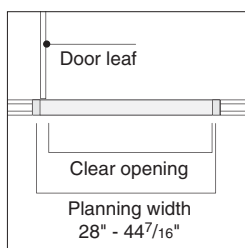
*Tip: The minimum designated heights will deliver a clear opening height of 80", which is a minimum requirement by code in most areas.*



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

**Door swing orientation** can be altered during the installation process.

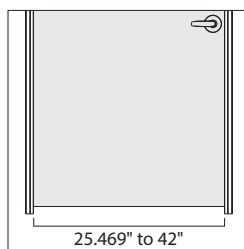
*Tip: Some door frame components are handed during the factory assembly process to simplify packaging and handling. These can be changed during the installation process. Door frame handing is specified when ordered to align with initial installation.*



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

**Polished edge doors** are 1/2" thick.

**Solid doors** are 1<sup>3</sup>/<sub>4</sub>" thick.

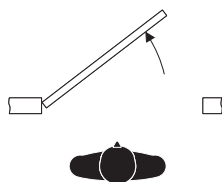
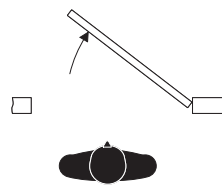


**The single door leaf width** is also parametric, and can vary from 25.469" to 42".

Single solid door width = planning width minus 2.445".

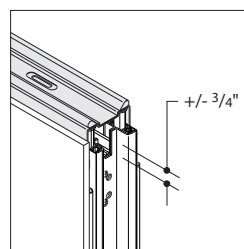
Single polished glass door width = planning width minus 2.531".

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

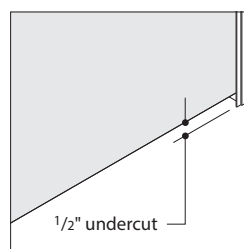


#### To determine door swing orientation:

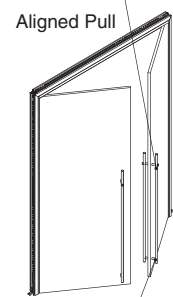
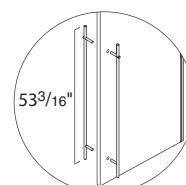
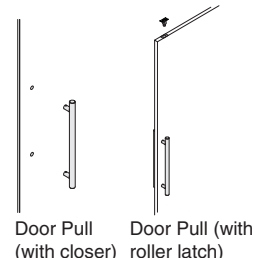
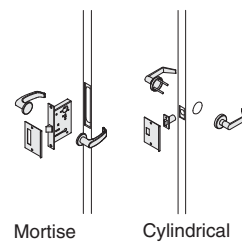
facing the door, so that the door swings away from you, the side that the hinges are on defines the handing of the door.



**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.

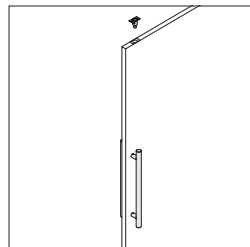
**The mortise lockset for reversible doors** can be specified in one of two ways:

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.

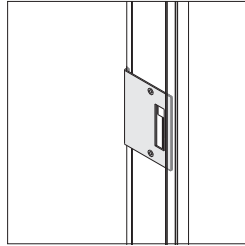


**When specifying a door with push/pull handle or ladder pull,** either a roller latch or closer must be selected.

**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.*

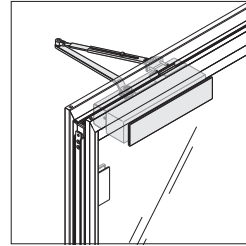
*Tip: Doors that are specified with hardware prep for mortise locks will not have faces drilled for levers, cylinders, etc. All necessary holes in the face of the door must be drilled by the installer.*

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

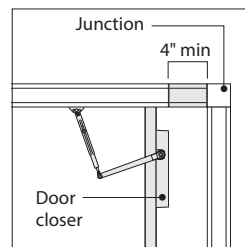
*Tip: Strike plates for latch sets and roller latches are part of the door frame assembly.*

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

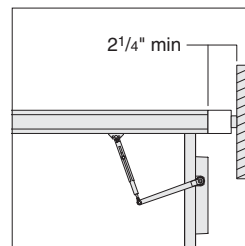
**When an electric hinge is required at a door opening,** one less hinge will be provided with the door frame.



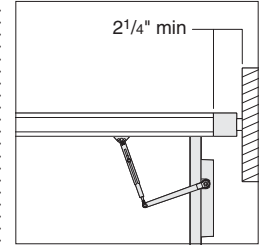
**Door closers** are available for use on solid and glass doors when the door must close automatically for safety and security reasons.



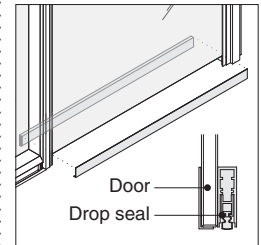
**When mounting a closer on a door, and positioning the door at an inside corner,** the door frame must be spaced at least 4" away from the adjacent surface.



**When mounting a closer on a door and positioning the door at a mini-end,** the door frame must be spaced at least 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.*

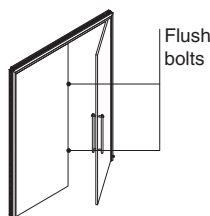
**Veneer doors** use a pleasing match veneer layup technique, similar to veneer skins.

► See *Pleasing Match—Veneer*, page 214

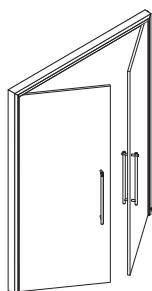
**Reversible pairs of doors** can be specified for spaces that require wider door openings for egress, or to provide greater access for storage.



Two Active



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

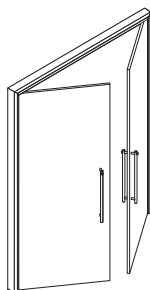


Two Active

**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.

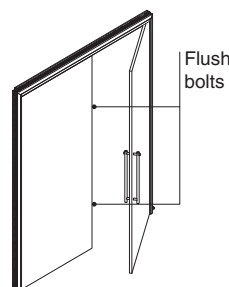
**Door and door frame appearance for pairs of doors** match the single reversible door assemblies. Inactive doors and frames for inactive doors are not reversible.

**Both doors in a pair must be the same material.**



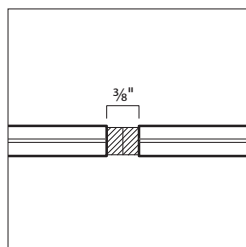
Two Active

**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.

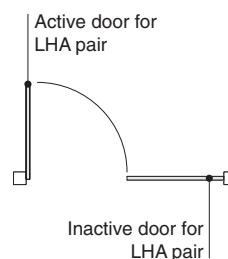


Active/Inactive

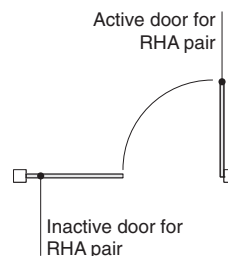
**When configured as one active and one inactive:** Only solid doors are available only as active/inactive. The active door can be a different width than the inactive door. The inactive door leaf is equipped with flush bolts to fix the door in place. The active door can be equipped with either a mortise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

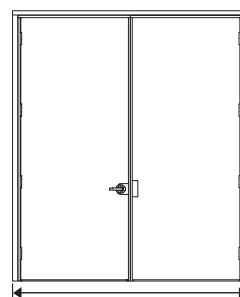


Inactive door for LHA pair



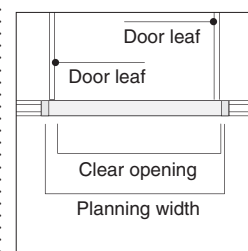
Inactive door for RHA pair

**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.*

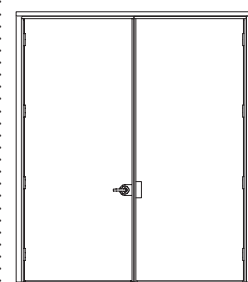


Door frame planning width 48"-80"

**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.

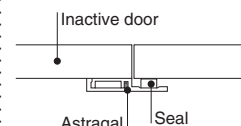


**Clear opening dimension** equals planning width minus 9".

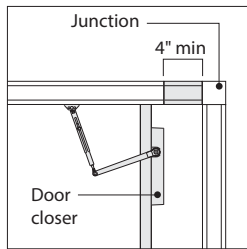

Active door planning width 22½"-42"  
Inactive door planning width 8"-37½"

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

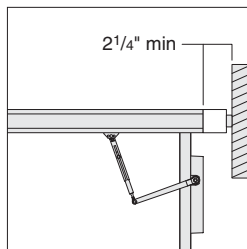
**An active door width** can vary from 22½" to 42" planning width. When both doors are active, the maximum planning width is 40". An inactive door width can vary from 8" to 37½".



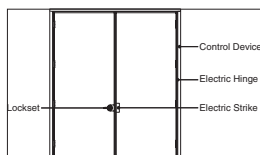
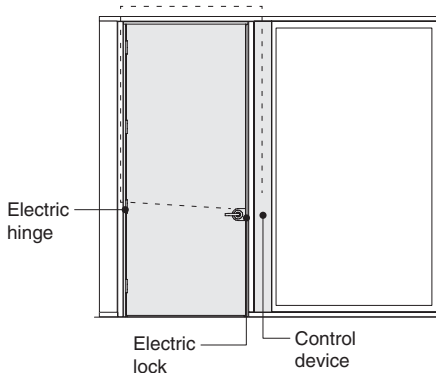
**Active/inactive pairs of doors** include an astragal with seal. The astragal is finished to match the door frame.



**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.



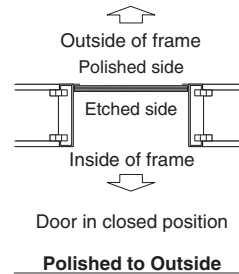
**When door openings require an electronic security feature,** solid doors can be equipped with an electric hinge. The electric hinge includes wire conductors that link an electric lock to the control device (card reader or keypad). When specified, the solid door is constructed with an internal wireway 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 (24 volt maximum). The lengths of the wires is 48" long (through the door) and 120" long (through the door jamb). The electric lock and the control device are not provided by Steelcase.

## Door openings that require electronic security

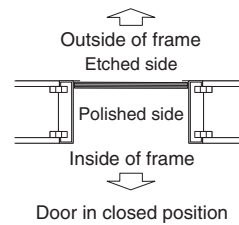
are typically equipped with closers in order to help maintain a secure opening. When mounting a closer on a door and positioning the door at an inside corner or mini end, the door frame must be spaced at least 4" away from the adjacent surface.

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

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

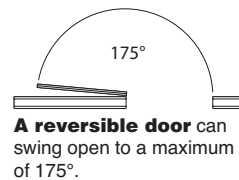


**Polished to Outside**

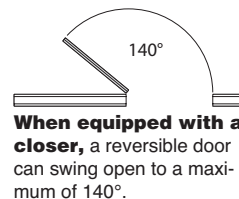


**Polished to Inside**

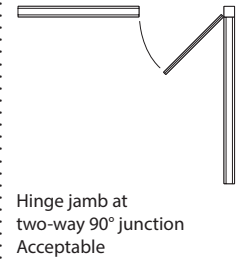
**When specifying doors with etched glass,** the etched surface can be oriented to either side of the wall, regardless of handing or on which side of the wall the door is mounted.



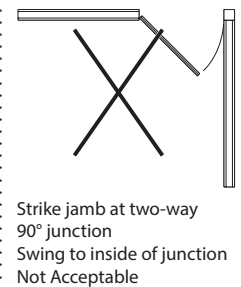
**A reversible door** can swing open to a maximum of 175°.



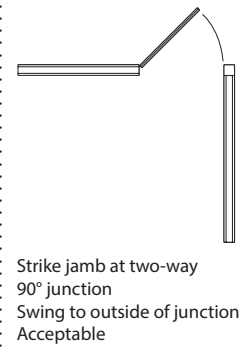
**When equipped with a closer,** a reversible door can swing open to a maximum of 140°.



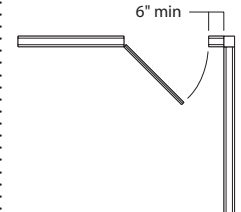
Acceptable



Swing to inside of junction  
Not Acceptable



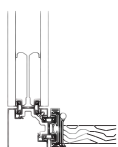
Swing to outside of junction  
Acceptable



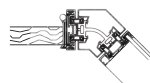
Strike jamb at two-way 90° junction  
Minimum 6" from junction  
Acceptable

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

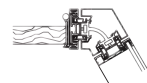
## Connections



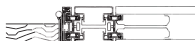
Two-Way 90°



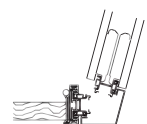
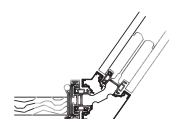
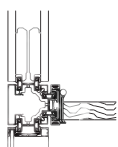
Two-Way 135°



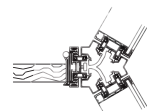
Two-Way 120°



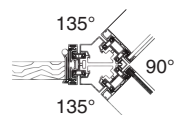
Two-Way 180°

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

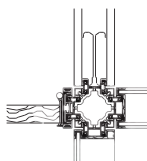
Three-Way 90°



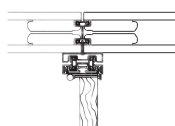
Three-Way 120°



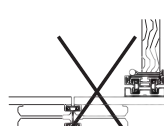
Three-Way 135°



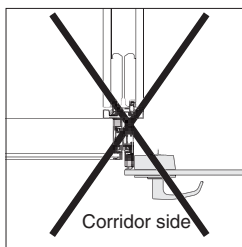
Four-Way



Adapter T on module



Adapter T off module



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

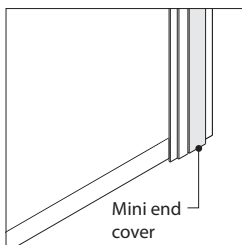
**Junctions** join a door frame to a V.I.A. wall in an L-, T-, X-, V-, or Y-configuration.

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

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

**Mini ends** connect a door frame to perpendicular building wall.

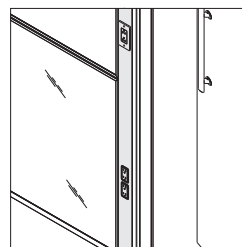
► See page 182



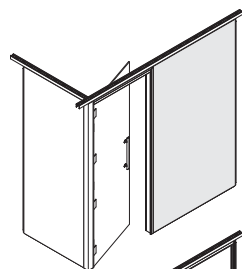
**When positioned next to a door frame**, the mini end cover will be specified with the to floor option and will be field cut by the installer to final length.

*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 73

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 157

**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.

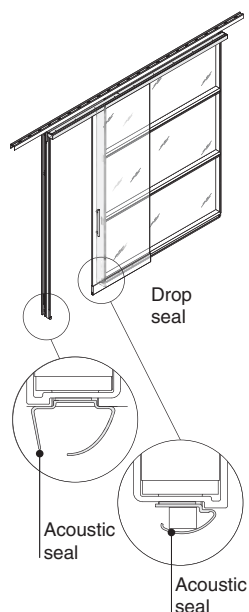
**Slider door and frame** can accommodate a pull or lockset.

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



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

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

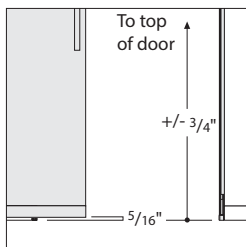
Heights range:

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

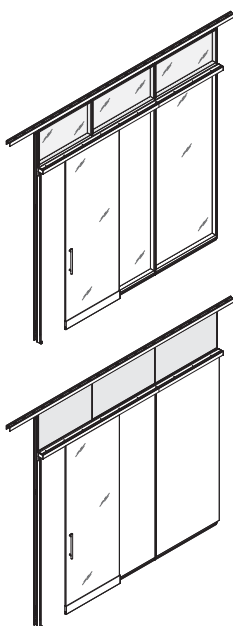
*Tip: Must use transom height door units when ceiling height exceeds 122".*

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

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

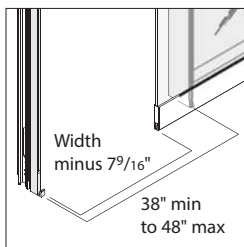


**The door frame assembly** is designed to allow for 1½" of adjustment at the floor (plus/minus ¾"), while maintaining a consistent 5/16" undercut between the bottom of the door and the floor.



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

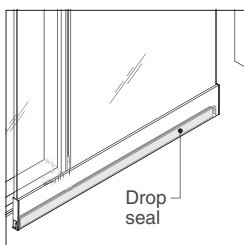
**Doors** can be oriented to either face of the wall to position the door on either the interior or exterior of a room.



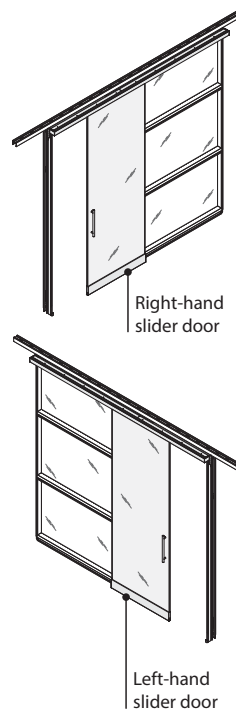
**Single door frame width** is parametric, and can vary from 38" to 48" planning width. Steelcase recommends using a 40" wide door frame to maximize accessibility, maintain visual continuity, and simplify the planning process during reconfigurations. Clear opening width equals the planning width minus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

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

► See page 52

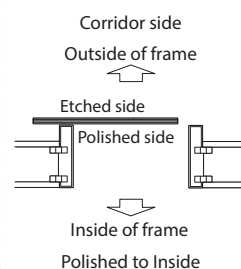
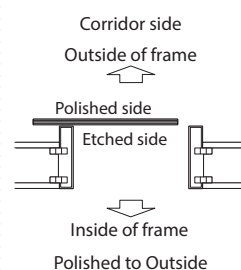
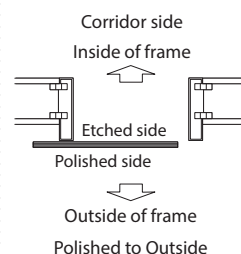
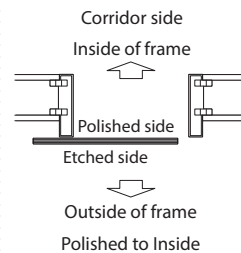


**To enhance acoustical performance**, an optional drop seal can be specified in the bottom of the door. The drop seal automatically deploys to block the gap under the door when the door is closed, and retracts when the door is open.

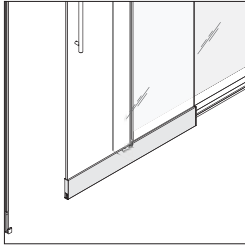


**Door handing** is determined by the direction in which the door travels when opening, as viewed from the face of the wall on which the door is mounted.

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

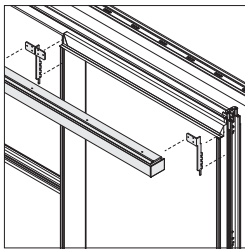


**When specifying doors with etched glass**, the etched surface can be oriented to either side of the wall, regardless of handing or on which side of the wall the door is mounted.



**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.

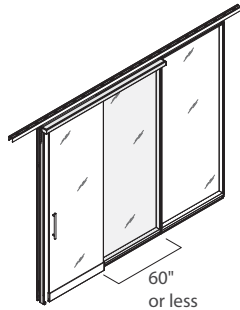
**Slider track** is parametric, and spans the door frame and the adjacent wall module(s).



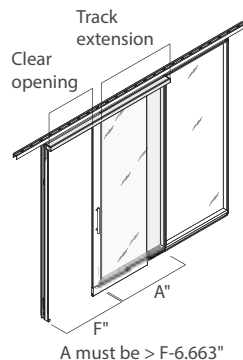
**Slider track** is mounted to structural posts using support brackets, which are specified in either a left, right, or T-configuration. The track is pre-drilled to fasten to the support brackets in the appropriate positions.

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

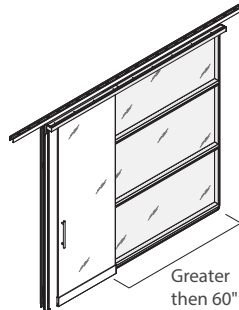
**Slider track brackets** are painted, and can be specified to match adjacent door frames, glass frames, and skins.



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

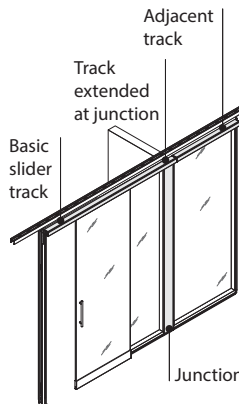


**The modules adjacent to the single door frame on which the track is mounted** must be at least as wide as the door frame minus 6.663" to allow for the door to travel the required distance to meet clear opening requirements.



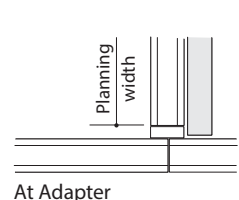
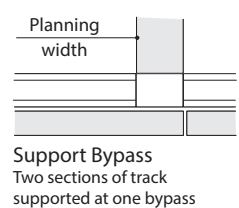
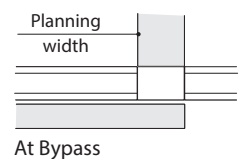
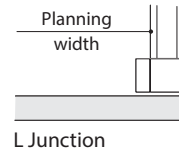
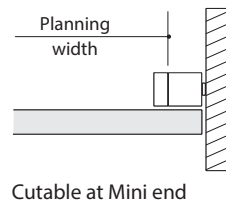
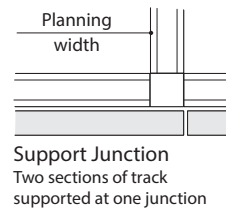
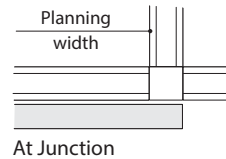
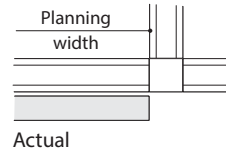
**The reinforced slider track** is used with landscape oriented wall modules, where planning widths are greater than 60".

► See V.I.A. Planning Dimensions, page 93



**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.*

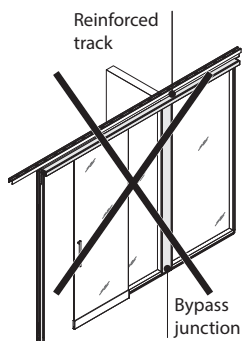
**The posts at both ends of the slider track** must extend to the ceiling track.



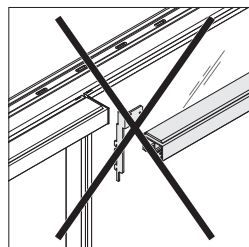
Cuttable at Mini end

At Adapter

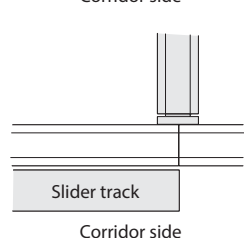
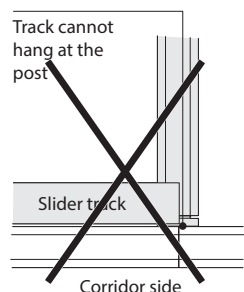
**Slider track ends** are cut to the correct length as dictated by the plan, with the appropriate hole position for track brackets.



**Reinforced track** cannot extend over junctions and mini ends.

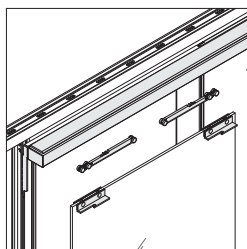


**Reinforced track** cannot butt to other sections of track.

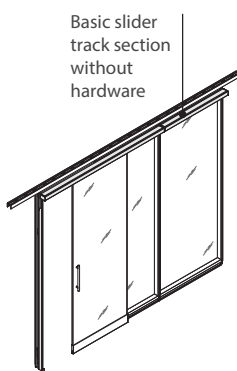


**When planning with T-adapters**, slider doors must be oriented to the corridor side of the wall.

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



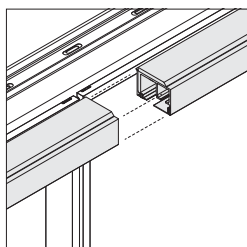
**Basic slider track** can be ordered with all required hardware, including carriers and soft-close braking mechanisms.



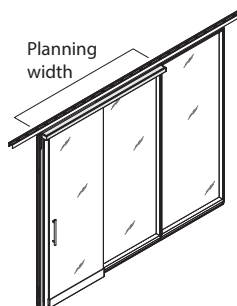
**Sections of basic slider track** can be specified without hardware and installed adjacent to other sections of track for visual continuity.

**Adjacent sections of slider track** must meet at a post.

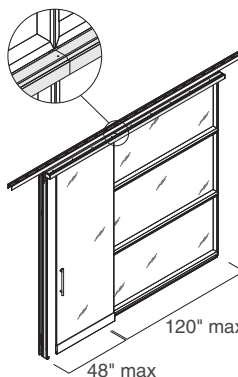
**When the end of a basic slider track is not directly adjacent to another section of the track**, the end is notched to receive an end cap.



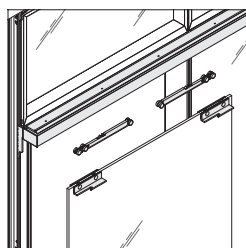
**When the end of a basic slider track butts to another section of the track**, the end is not notched.



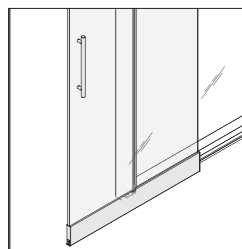
**The slider track planning width** is door frame width plus adjacent wall module(s).



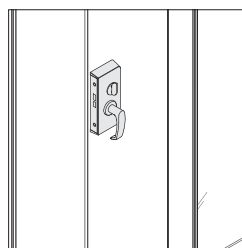
**The reinforced slider track** will be made up of two sections of track that will span a maximum door frame width of 48", and a maximum adjacent module of 120".



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



**Non-locking doors** are equipped with a tubular pull.



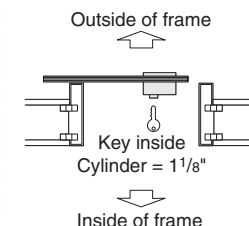
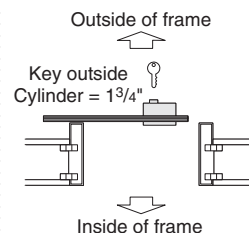
**Lever locksets** are available as an option on single doors, and are equipped with an ADA compliant single action lock feature, allowing for the door to be unlocked and opened in a single motion.

**Locksets** can be provided in one of two configurations:

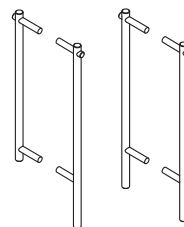
- Random key with standard cylinder
- No cylinder (to allow customer to provide cylinders to specific keying requirements)

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

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

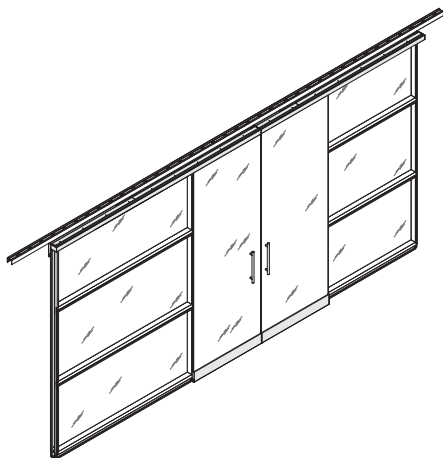


**When ordering cylinders from other suppliers for use with the V.I.A. slider lever locksets**, cylinders must be specified with a Schlage L cam configuration. When keyway and cylinder are oriented to the outside of the door frame, specify a 1 3/4" cylinder with a 7/16" trim ring. When keyway and cylinder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

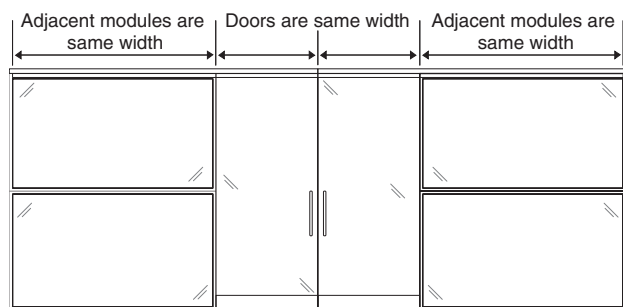


**Locking ladder pulls** are equipped with a random keyed, small format interchangeable core. For customers with specific keying requirements, the core can be removed and replaced with customer's locally secured cores.

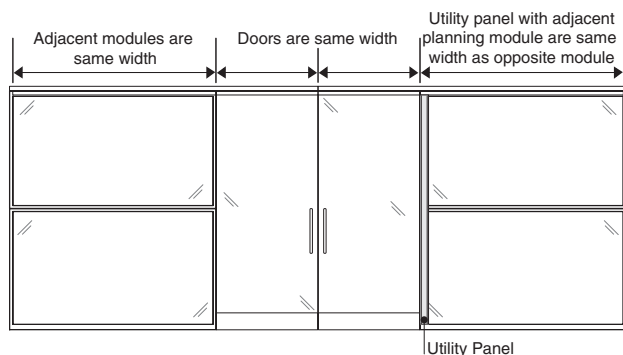
**Locking ladder pulls** can accommodate SFIC cores (6 pin) as manufactured by Sargent, Schlage, Best, Medeco, Arrow, Yale, and Falcon.



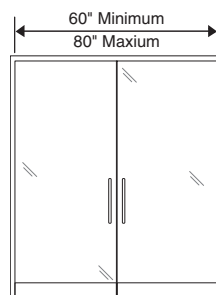
**Biparting pairs of slider doors** can be specified for spaces that require wider door openings for egress. Pairs of doors are available in full height and transom height configurations.



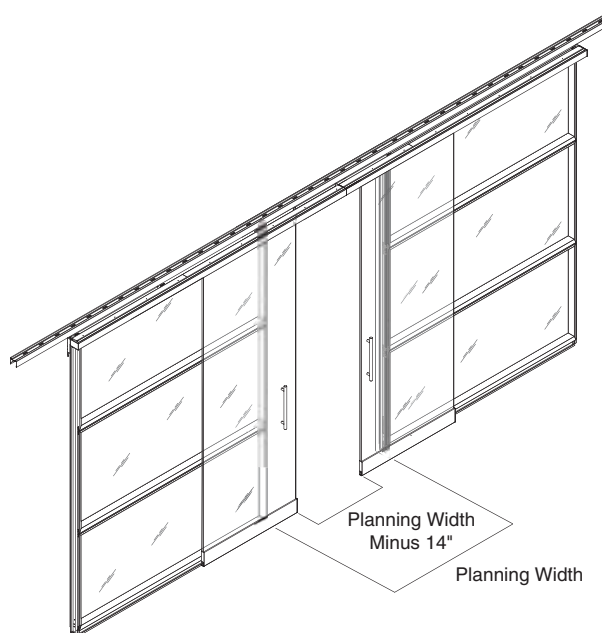
**Biparting slider doors** are symmetrical. Both doors are the same size, and both adjacent modules are the same size.



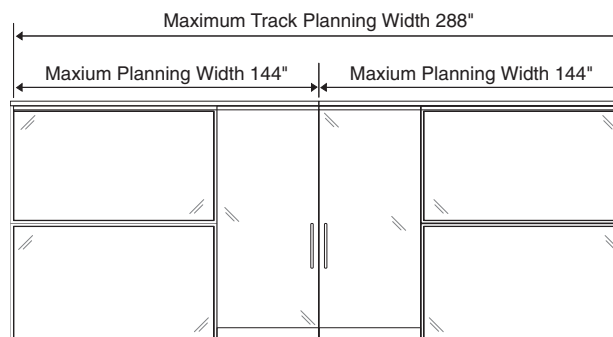
**A utility panel** can be positioned adjacent to a door frame for pair of doors. The combined width of the utility panel and its adjacent module must be the same as the opposite planning module.



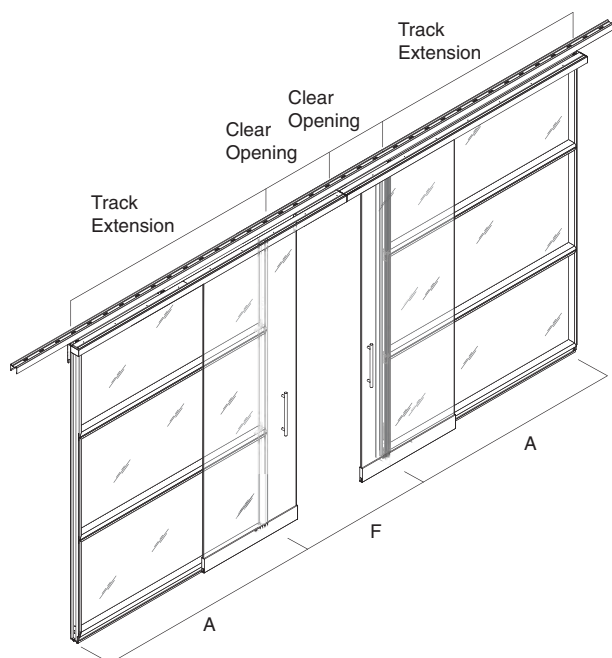
**Door frame width** is parametric, and can vary from 60" to 80" planning width. Planning width is measured as centerline of post to centerline of post.



**The clear opening dimension** is planning width minus 14".



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

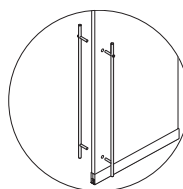


**The modules adjacent to the door frame [A] on which the track is mounted must be a minimum width as calculated below:**

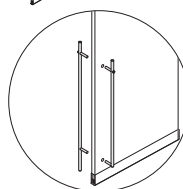
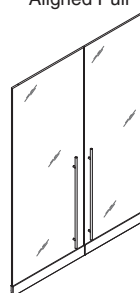
Minimum [A] Dimension = Door frame planning width ( $[F] \times \frac{1}{2}$ ) — 6.5.

**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

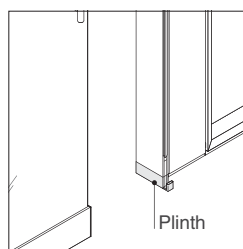


Offset Pull

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

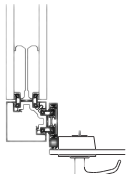
**Pairs of slider doors** cannot be equipped with drop seals.

**Pairs of slider doors** are non-handed.

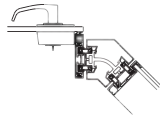


**Plinths** (ordered as a service part) can be used at the bottom of the door jamb to adapt to potential floor height changes when repositioning door frames during wall reconfigurations.

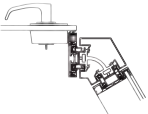
## Connections



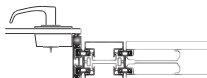
Two-Way 90°



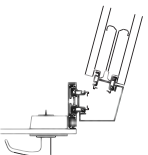
Two-Way 135°



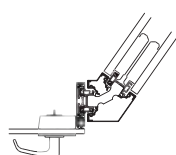
Two-Way 120°



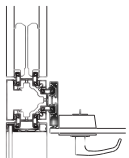
Two-Way 180°



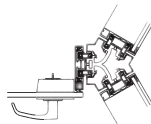
Two-Way variable  
91° - 94°



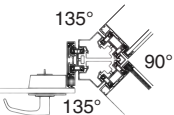
Two-Way variable  
95° and greater



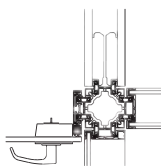
Three-Way 90°



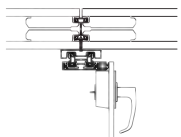
Three-Way 120°



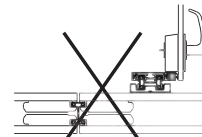
Three-Way 135°



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.

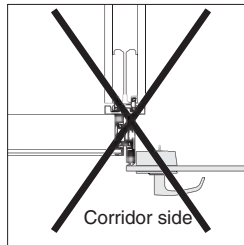
**Adapters (on module)** connect a door frame to a V.I.A. wall in a T- or X- configuration.

► See adapters, page 62

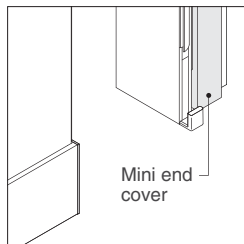
**Door frames** cannot be positioned adjacent to an off-module adapter.

**Mini ends** connect a door frame to perpendicular building wall.

► See page 66



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

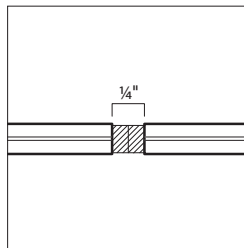


**When positioned next to a door frame**, the mini end cover will be specified to floor, and will be field cut by the installer to final length.

**Utility panels** can be positioned next to a door frame to accommodate lighting control devices, thermostats, RoomWizard II, and other technology devices.

► See page 73

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



**Brush seals** are provided for slider door pairs.

## Surface Materials

### Door frame

- 8043 Clear Anodized Aluminum
- Paint

### Polished glass door

- Tempered glass

### Polished glass bottom trim

- 8043 Clear Anodized Aluminum
- Paint

### Slider track

- 8043 Clear Anodized Aluminum
- Paint

### Lockset

- 9200 Satin Chrome

### Door pull

- Satin stainless steel

### Slider track bracket

- Paint



# Maximum Door Planning Widths Based On Height

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

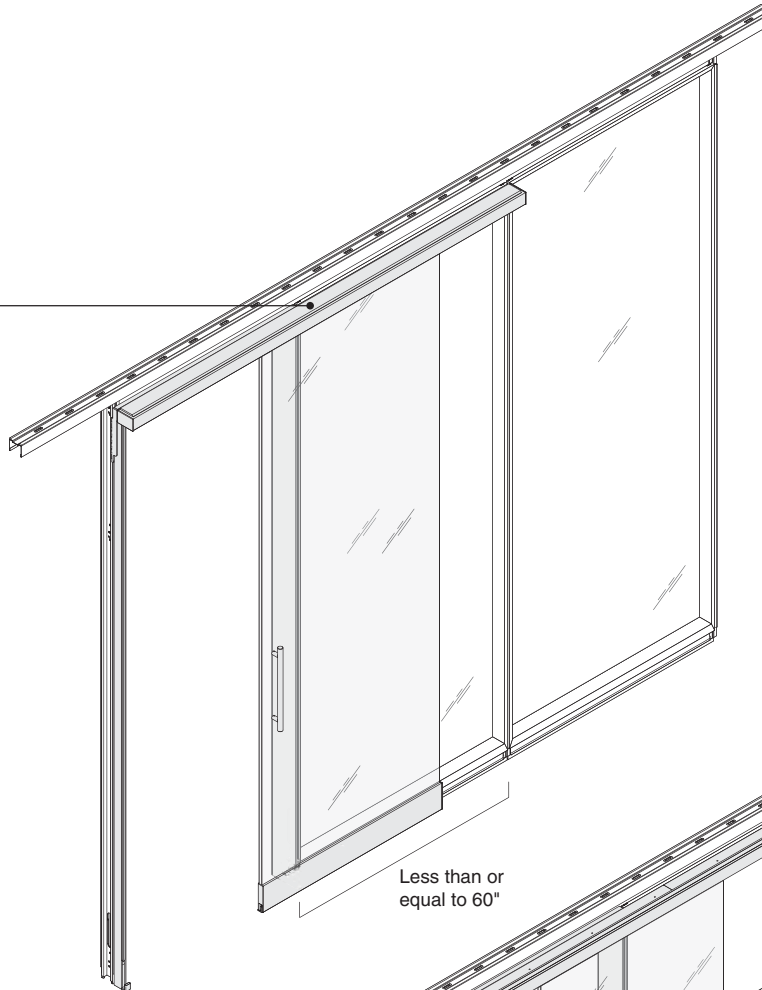
# Basic Track Versus Reinforced Track

## Slider Door Configurations - Advanced Planning

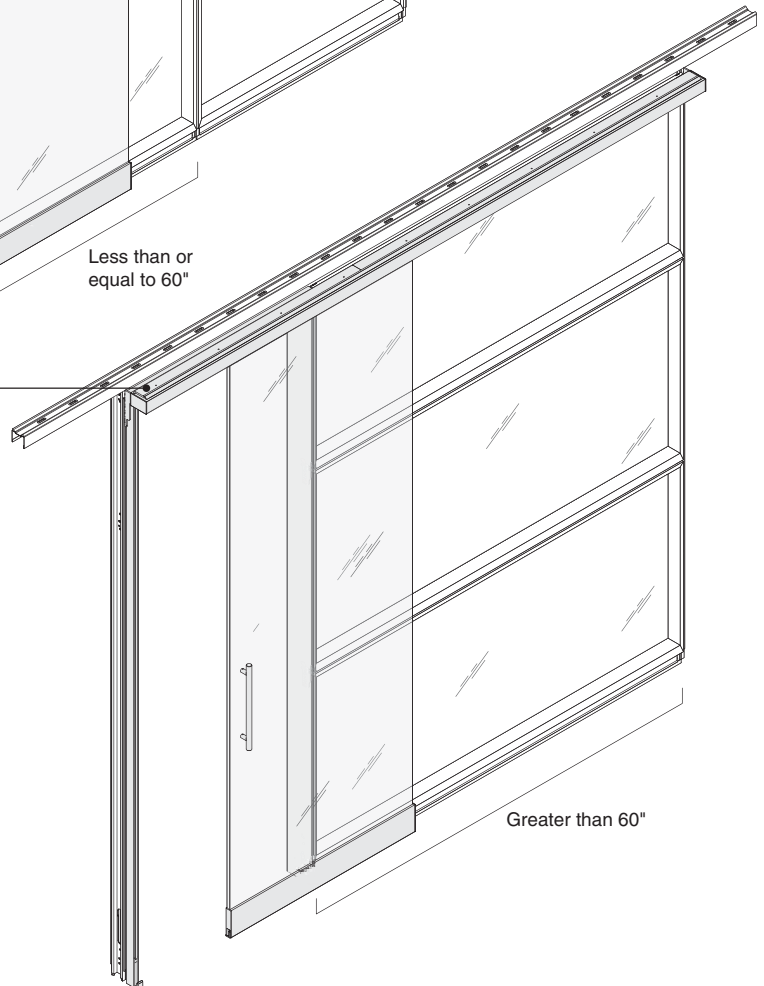
Basic Track Versus  
Reinforced Track

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".



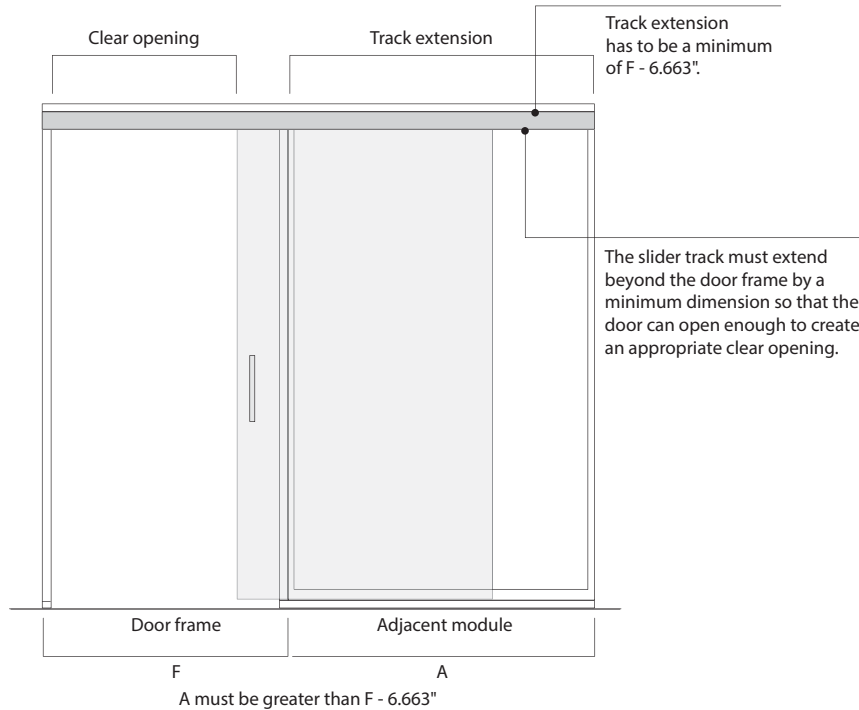
**Reinforced track** is an aluminum extrusion that is structurally reinforced with a steel angle to span longer lengths. Reinforced track is required when the module adjacent to the door opening is greater than 60". Reinforced track is made up of two lengths of track. Overall length cannot exceed 168\"/>



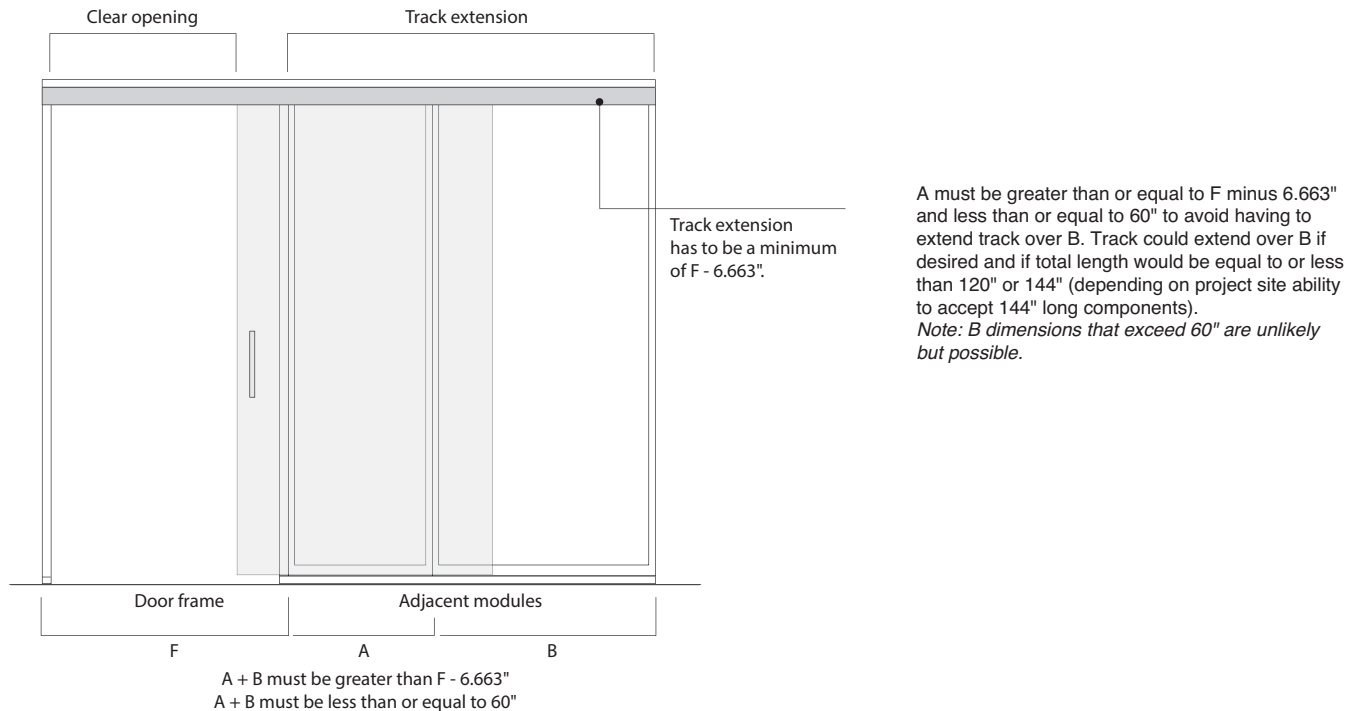
# Basic Track Examples

## Slider Door Configurations – Advanced Planning

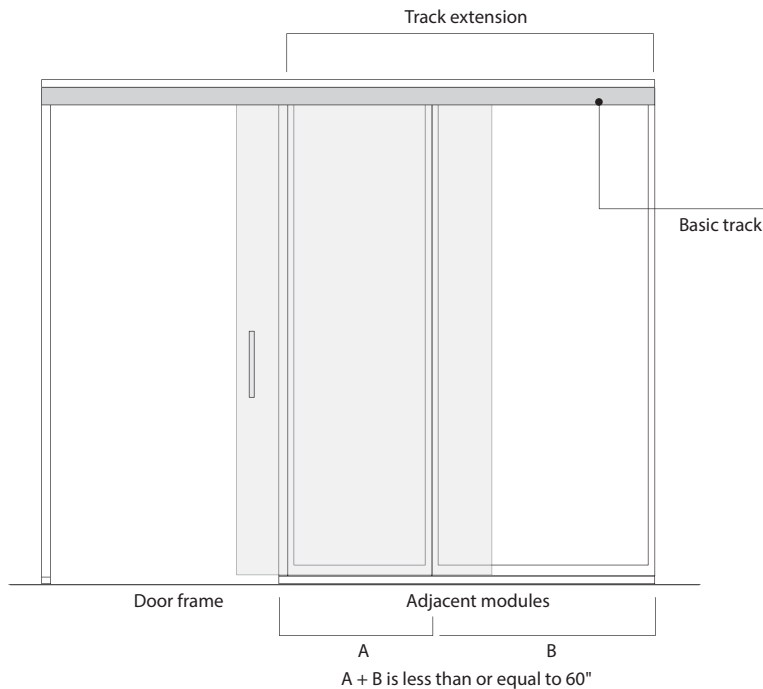
### Slider Door and Single Adjacent Module



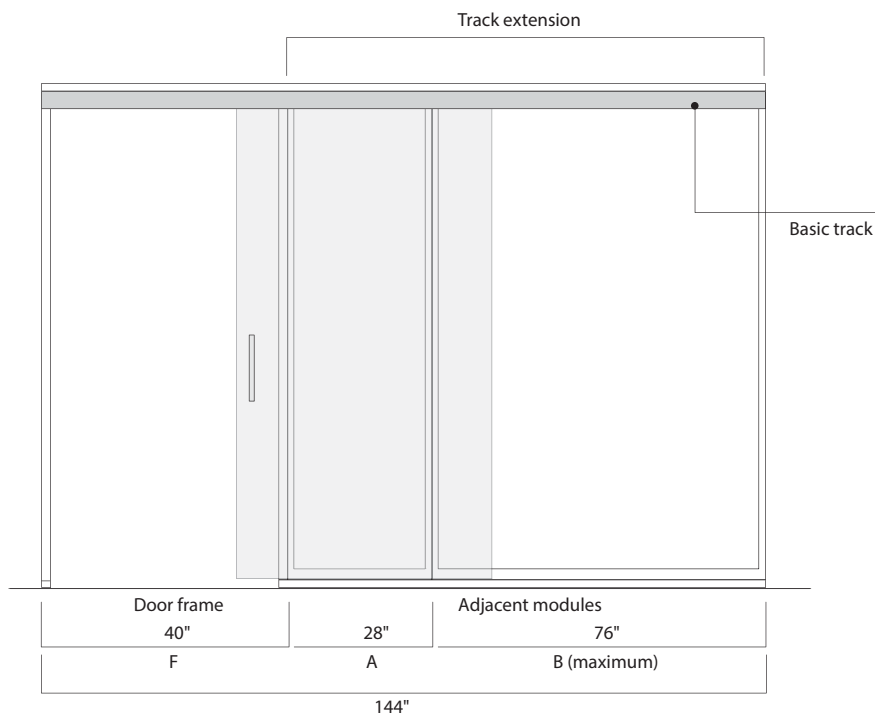
### Slider Door and Multiple Adjacent Modules



► 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.

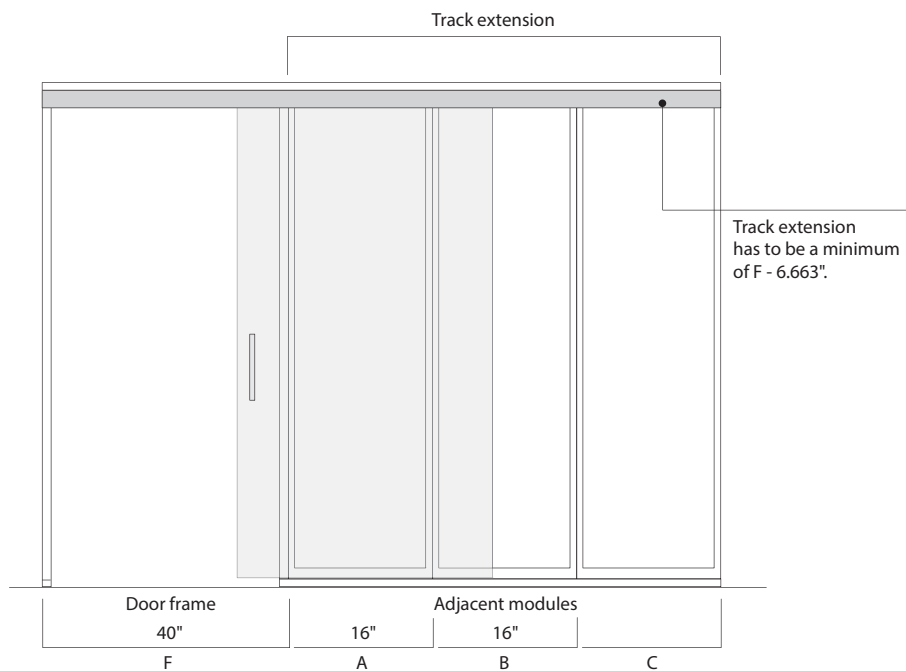


If A is greater than or equal to F minus 12" and less than or equal to 60", then B can be any width using basic track (up to maximum allowable track length minus A minus F). In the example above A equals F minus 12". In this case, the track must extend over B since A is not greater than F minus 6.663".

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

► See *SmartTools*, Page 4

### Slider Door and Multiple Adjacent Modules, continued



Track extension has to be a minimum of  $F - 6.663$ ".

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

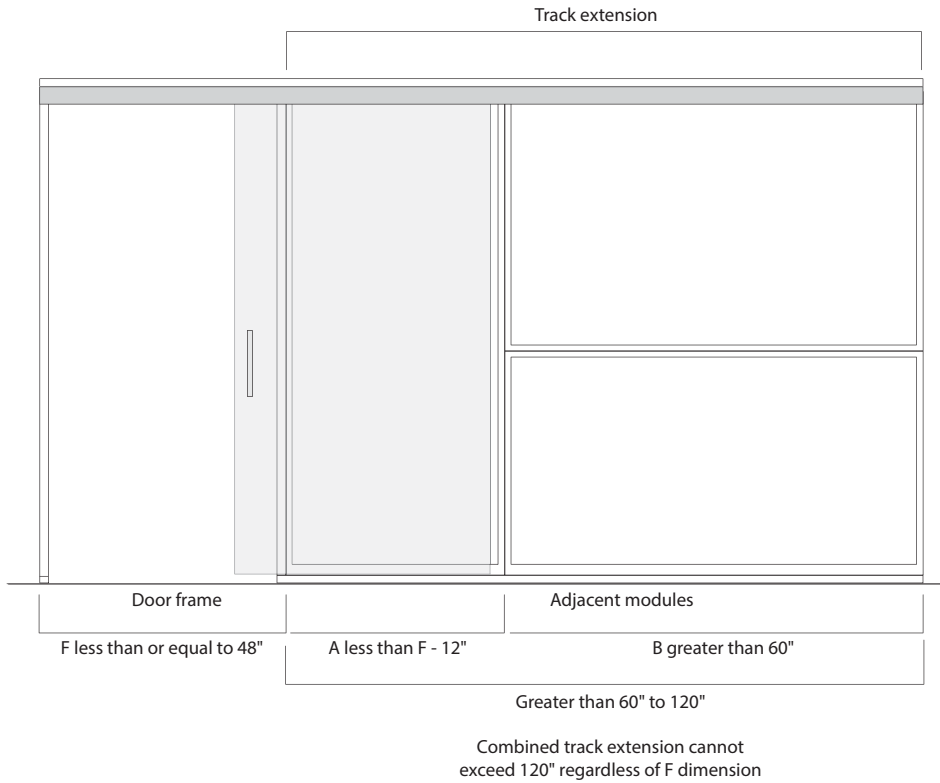
# Reinforced Track Examples

## Slider Door Configurations – Advanced Planning

Reinforced Track Examples

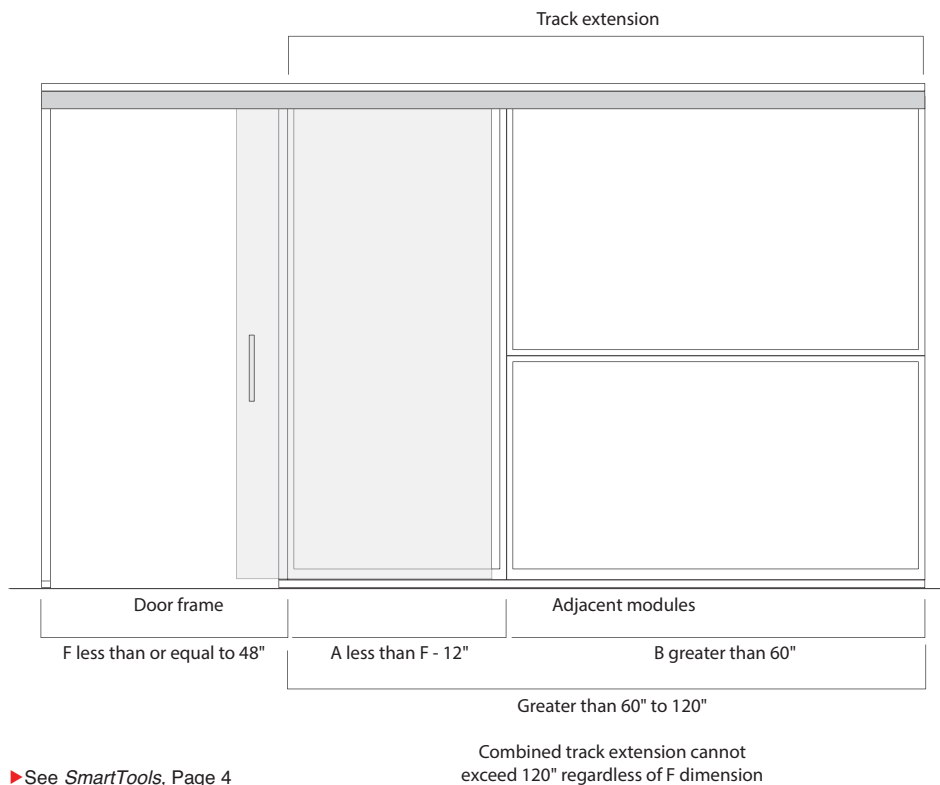
Understanding  
V.I.A.

### 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.

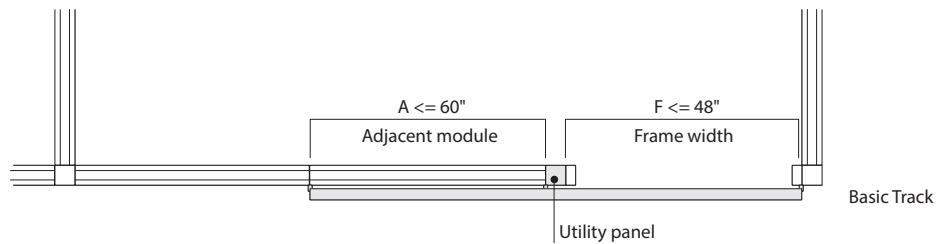
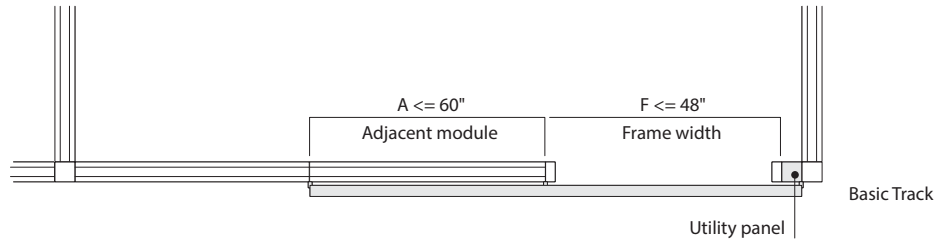
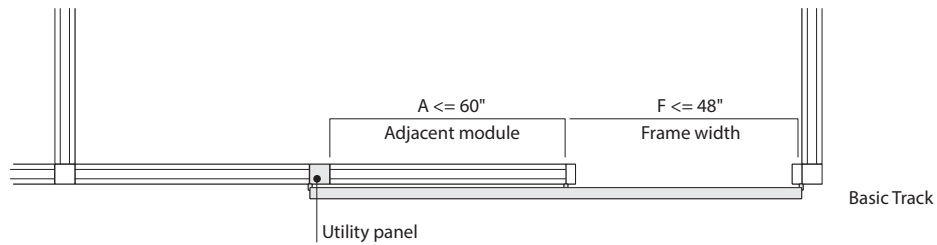
► See *SmartTools*, Page 4

# Basic Track, Reinforced Tracks, and Utility Panel

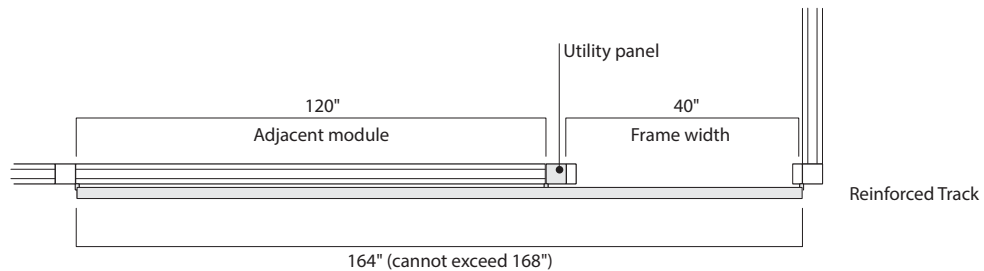
## Slider Door Configurations – Advanced Planning

**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

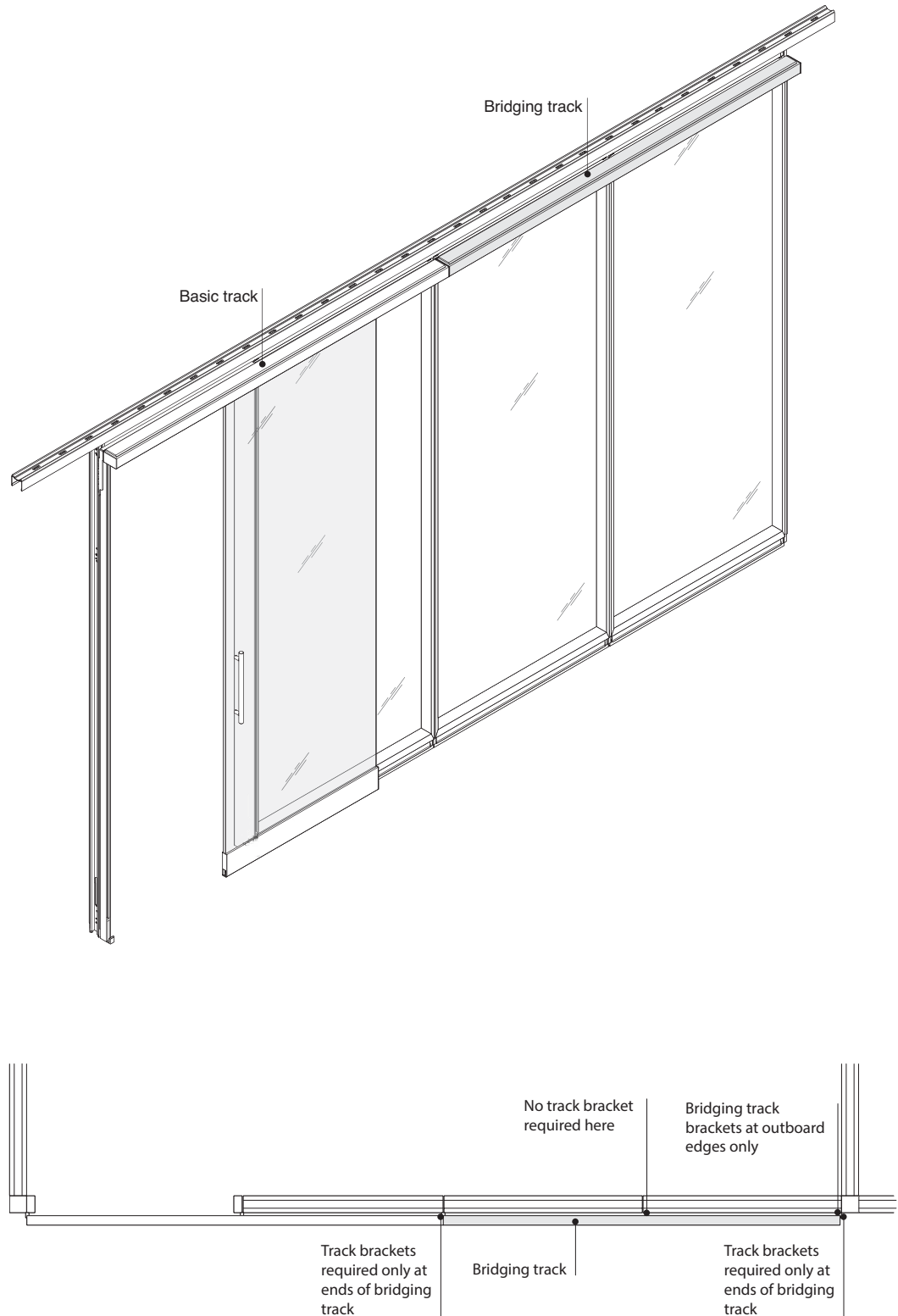
Understanding  
V.I.A.

**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 167

**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.

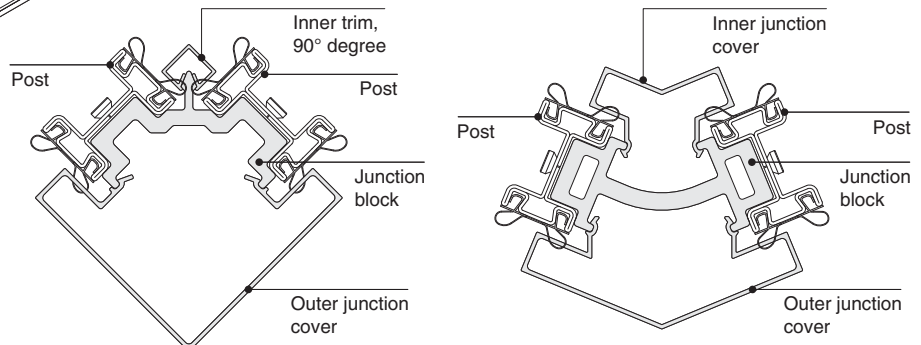
**Junction blocks and related hardware** can be ordered separately for on-site assembly with posts to create junction assemblies.

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

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

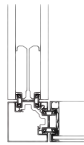
**Junctions** are made up of two or more posts joined together with junction blocks at specific angles.

**Seals**

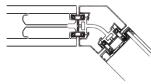


## Product Details

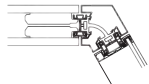
► See *V.I.A. Planning Dimensions*, page 93, for important information regarding dimensional references for all V.I.A. components.



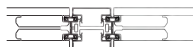
Two-Way 90°



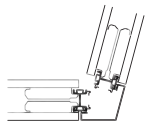
Two-Way 135°



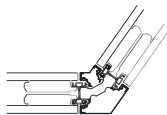
Two-Way 120°



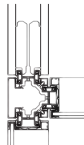
Two-Way 180°



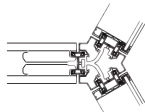
Two-Way variable  
91° - 94°



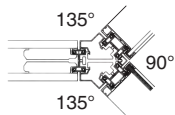
Two-Way variable  
95° and greater



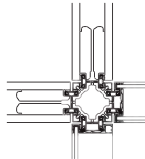
Three-Way 90°



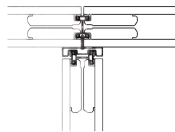
Three-Way 120°



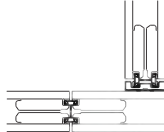
Three-Way 135°



Four-Way



Adapter T on module



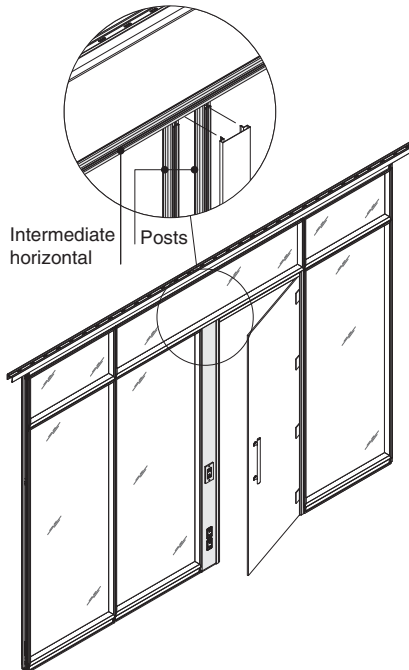
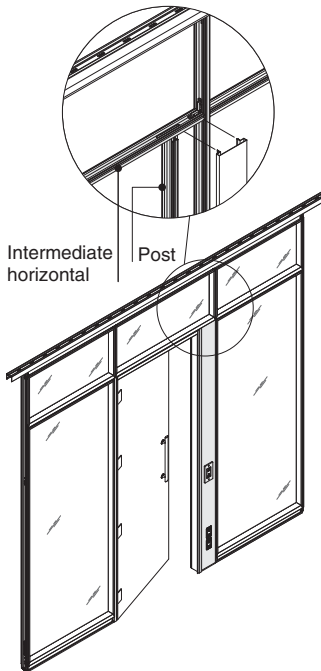
Adapter T off module

**Junctions and adapters** join walls in various configurations.

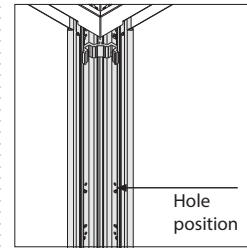
**Fixed angle two-way junction assemblies** are available in 90°, 120°, 135°, and 180° configurations.

**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.

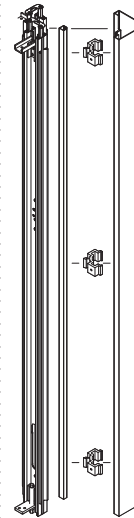


**When used in conjunction with utility panels**, the top of 180° two way junctions can connect to an intermediate horizontal (either one post or both posts) or the ceiling track.



**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°

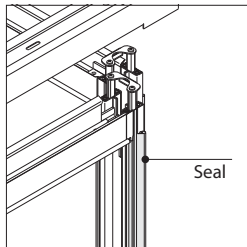


Three-Way 135°



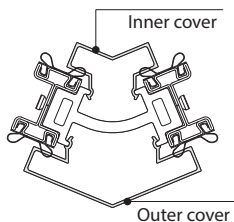
Four-Way

**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.

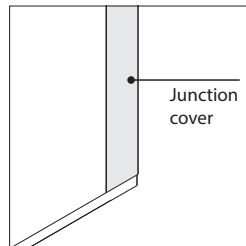
**Variable angle two-way junction assemblies** are available in all other angles between 90° and 180°, excluding 120° and 135°, which are orderable as fixed angle junctions.

**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.



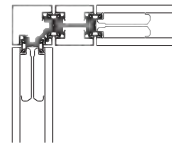
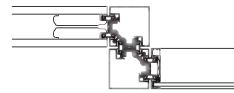
**When positioned adjacent to a solid skin or glass frame,** the bottom edge of the junction cover will align with the bottom edge of the skin or frame.

**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.

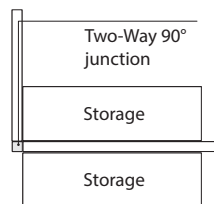
**180° junction assemblies** can be combined with utility panels to house power receptacles, data, switches, and other devices.

▶ See page 73

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



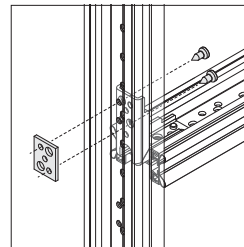
**Two junctions** can be positioned adjacent to one another.



**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.



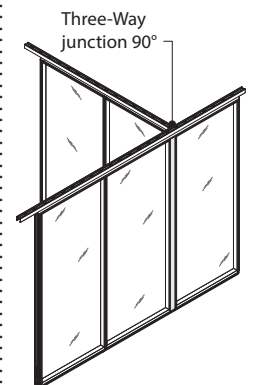
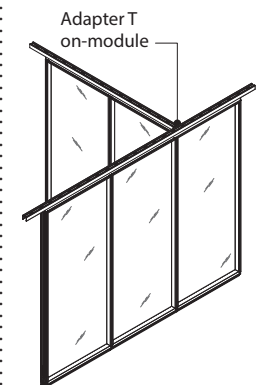
Adapter T on module



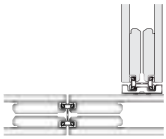
Adapter T on module

Three-Way junction 90°

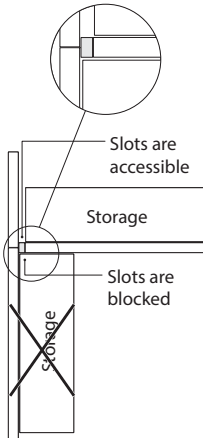
**Adapters** can be used to create a T or X intersection.



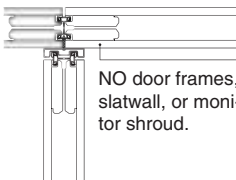
**Adapters** may be preferable to junctions as they create a smaller profile along the corridor side of a wall.



**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 22

**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 70

**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 93

# 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 167

**Fixed Conventional Wall**

**Structural Horizontal**

**Junction Cover**

**Post**

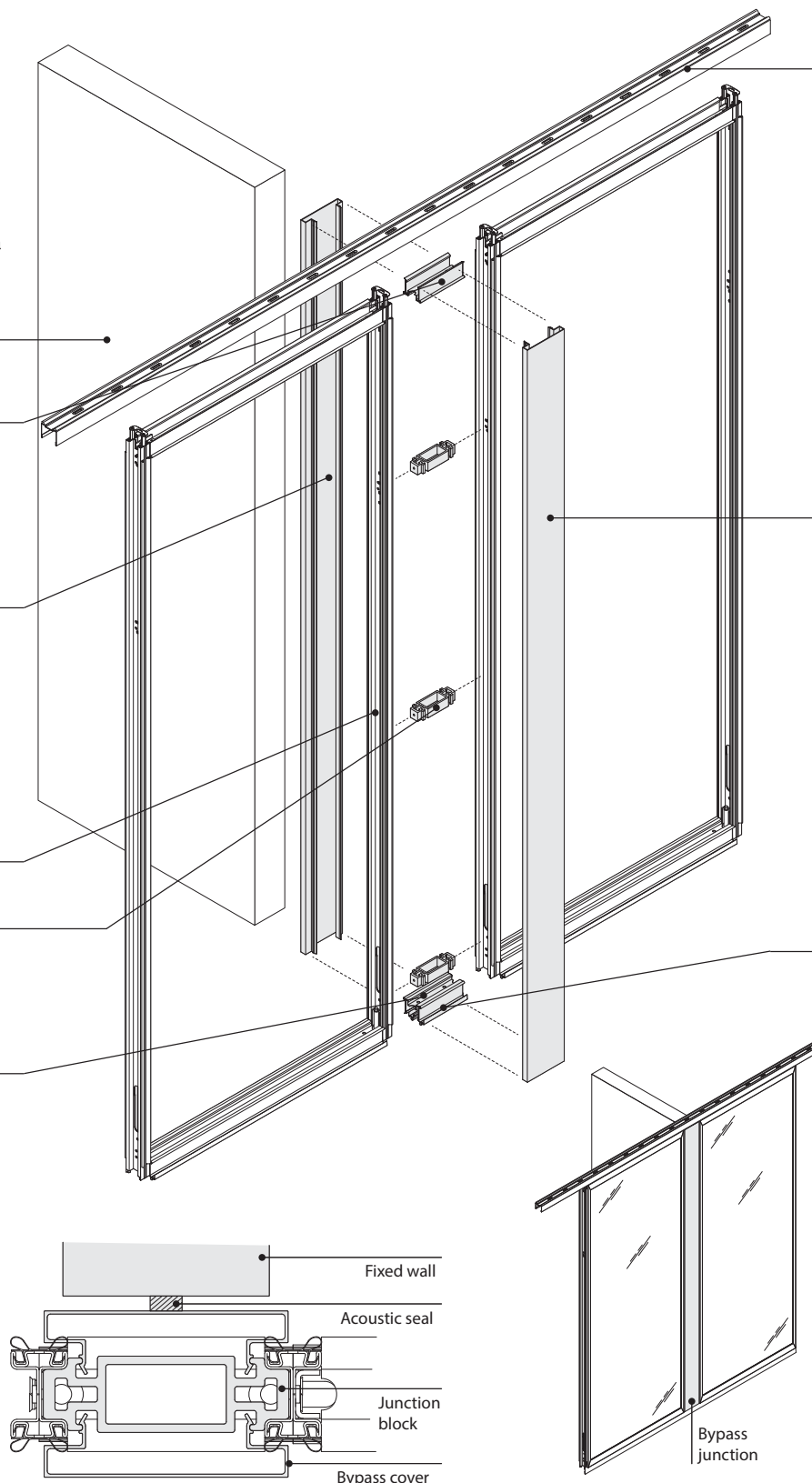
**Junction Block**

**Structural Horizontal**

**Ceiling Track**

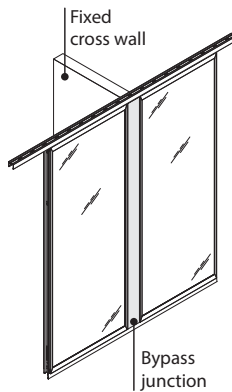
**Junction Cover**

**Floor Track**

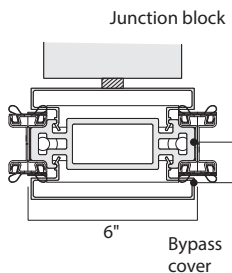


## Product Details

► See *V.I.A. Planning Dimensions*, page 93, for important information regarding dimensional references for all V.I.A. components.



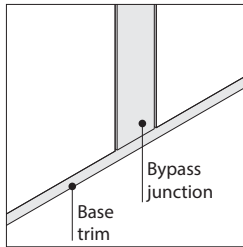
**When applying V.I.A. glass fronts with conventional fixed cross walls**, it may be desirable to create an interface condition where the V.I.A. wall conceals the cross wall. The bypass assembly is designed so that it can be installed as a complete assembly and create an uninterrupted visual along a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



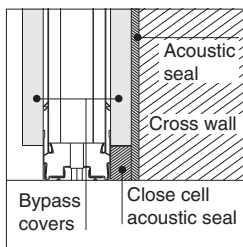
**The planning width for a bypass assembly is 6".**

**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 181

**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.

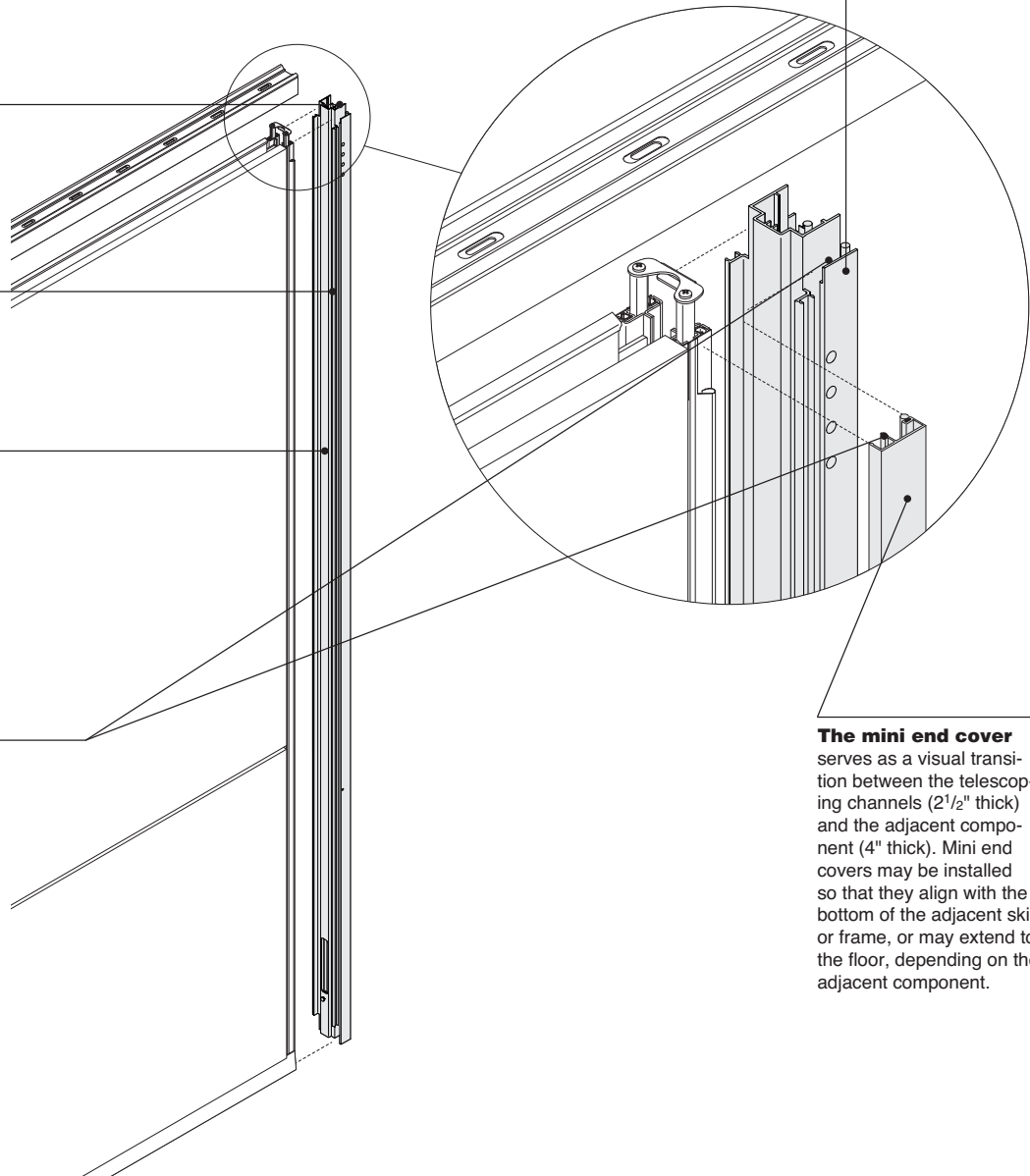
**Mini end** consists of three components – the inner channel, the outer channel, and two covers.

**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.

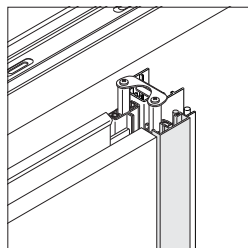


## Product Details

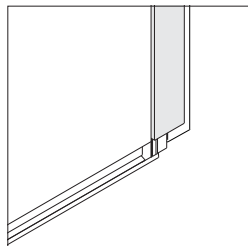
► See *V.I.A. Planning Dimensions*, page 93, for important information regarding dimensional references for all V.I.A. components.

### Height of the mini end

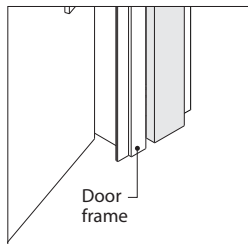
is specified to the same height as the adjacent wall. Mini ends are available in ceiling heights of 80"-144". The outer channel spans to the floor and is cut on site by the installer.



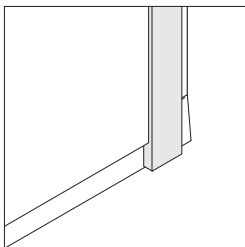
**The top of the mini end cover** aligns with the top of the adjacent component.



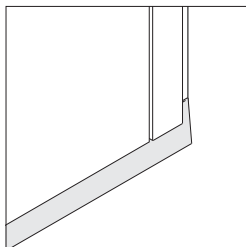
**The bottom of the mini end cover** can align with the bottom of the adjacent skin or frame, or can extend to the floor when adjacent to a door frame.



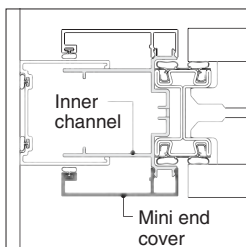
**When positioned next to a door frame**, the mini end cover should be specified with the to the floor option and will be field-cut by the installer to final length.



**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.

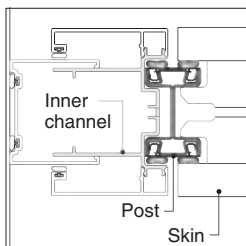


**When positioned next to a solid skin or glass frame**, the base trim extends under the mini end cover.



**Mini end cover** snaps onto the inner channel.

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

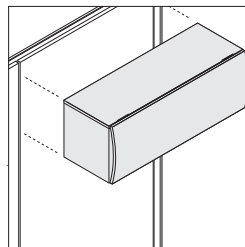


**Mini end inner channel** shares a post with the adjacent skins, frames, or door frames. The adjacent components can be a combination of different skin types and glass frames.

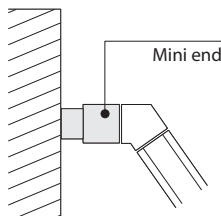
**A screw connection to the building** is not typically required. Mini end fits tightly against the building wall, and the contact points are sealed with a continuous polypropylene seal.

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

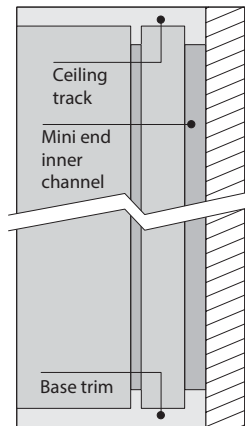
**A screw connection** is recommended for ceiling heights that are greater than 10'0".



**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).

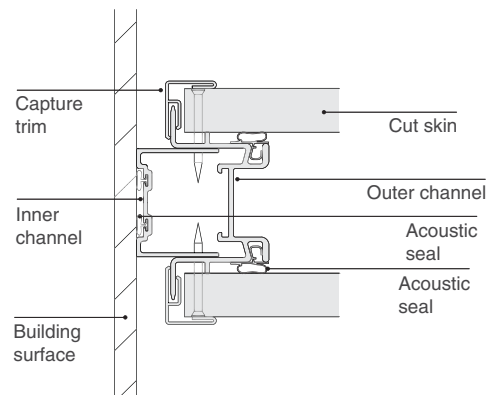
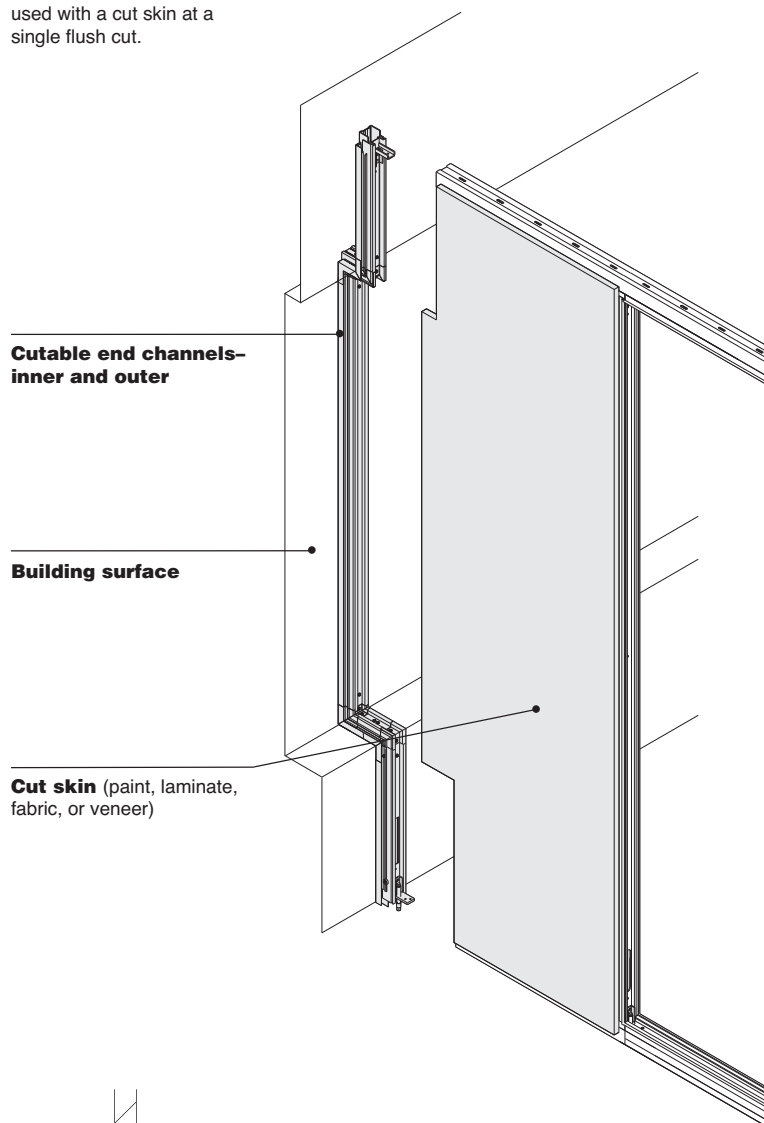
**The outer channel** is the same finish on all sides. The inner channel is not visible.

# Cutable Ends

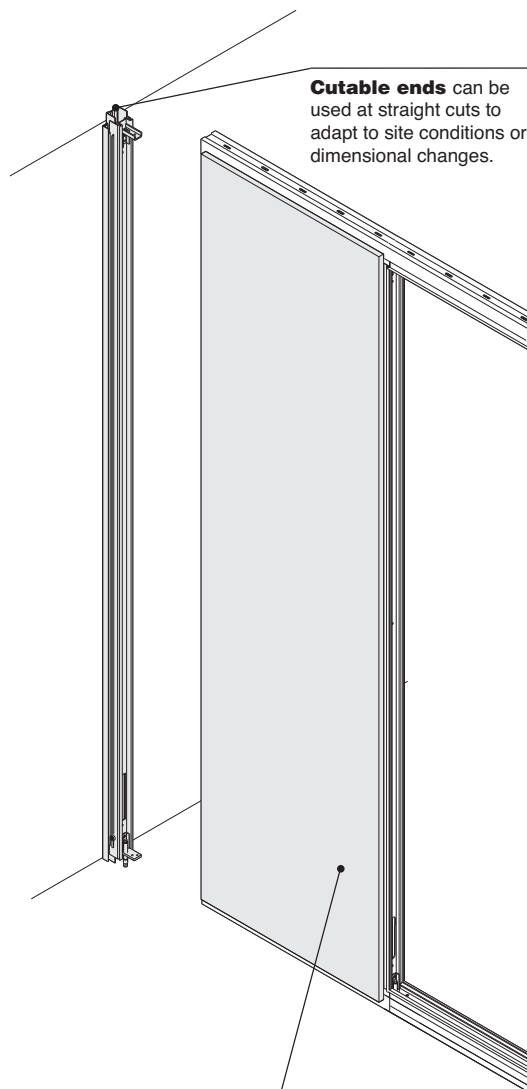
**Cutable ends** can be field cut around irregular building surfaces.

► Specifying, page 185

**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

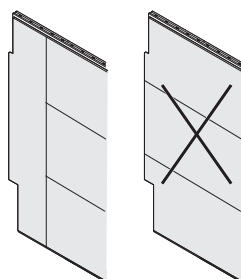
► See *V.I.A. Planning Dimensions*, page 93, for important information regarding dimensional references for all V.I.A. components.

**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.

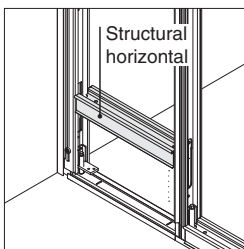


**Cutable end assemblies** do not accommodate intermediate horizontals or segmentation.

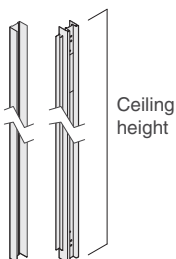
**Cutable ends** are not used with slatwall, lighting, ceramic skins, or monitor shrouds.

**Electrical devices** cannot be positioned in a cut skin.

**Infeeds and cables** can be routed behind a cut skin.

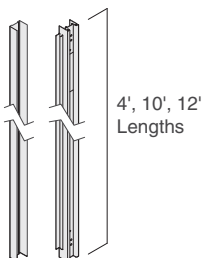


**Structural horizontals that are positioned adjacent to cutable ends** will be modified to ensure that cable cut-outs do not interfere with the bracket connection. These horizontals will receive one cut-out only when 22.61" long or greater. Structural horizontals that are less than 22.61" will not have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

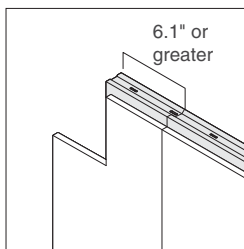


**When intended for use with a single vertical cut**, the inner and outer channel are ordered in lengths that correspond to ceiling height.

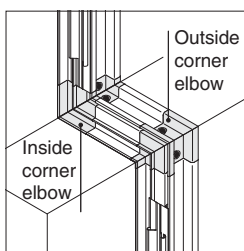
**When intended for use with a single vertical cut**, the inner and outer channel are combined into a single assembly.



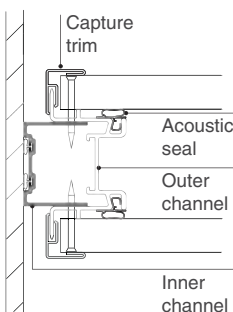
**When intended for use with multiple cuts around sills and soffits**, channel lengths can be specified in different lengths to minimize scrap.



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



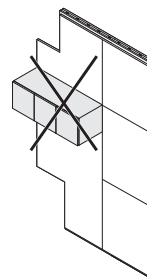
**Cutable end assemblies** can be combined with corner angles and elbows (inside and outside corner) to allow the installer to trim around unique end configurations.



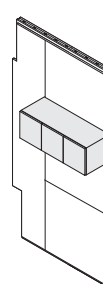
**Inner channel** can be specified in a different color than capture trim.

**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 189

**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.

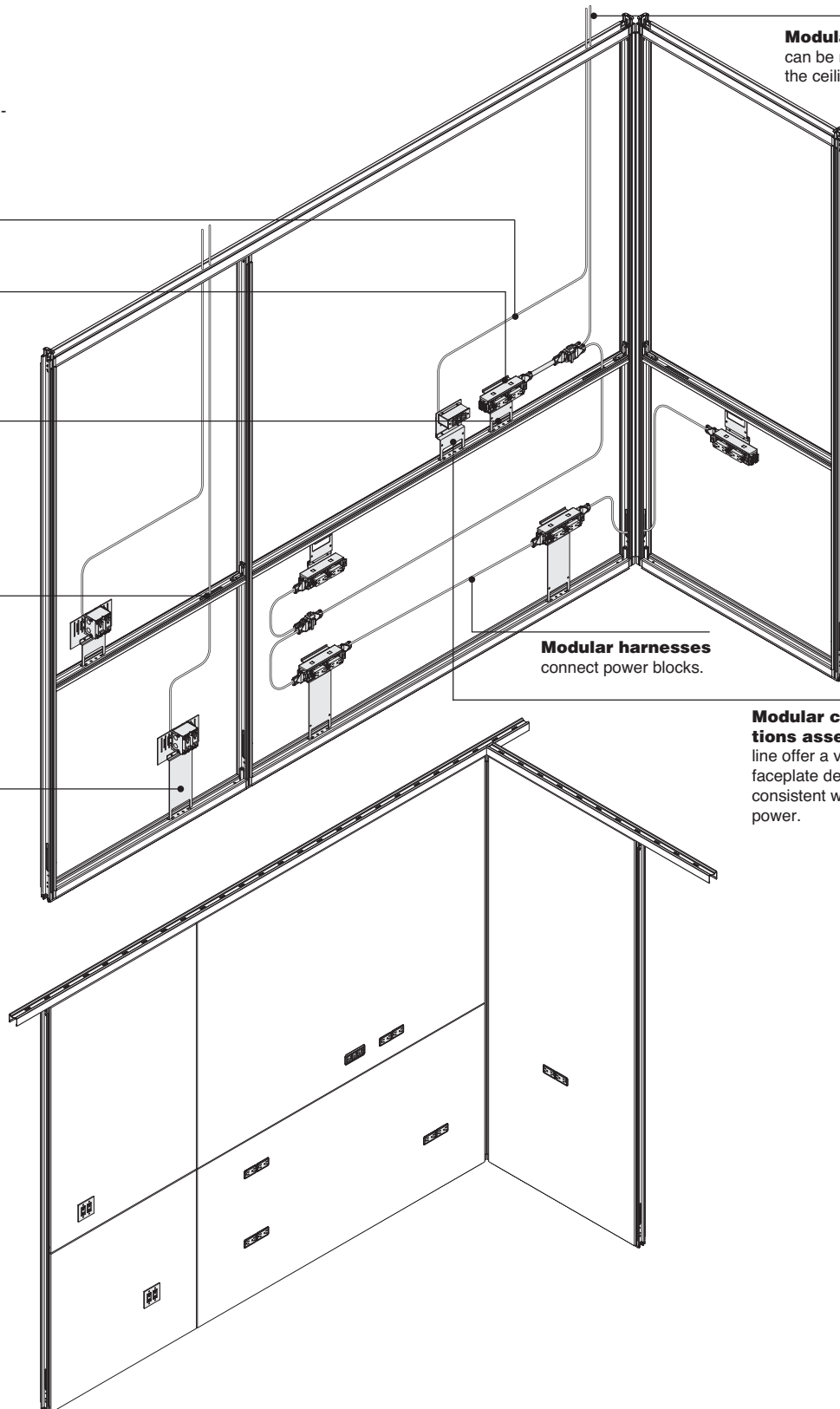
**Hardwire (power or communications)**

**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.

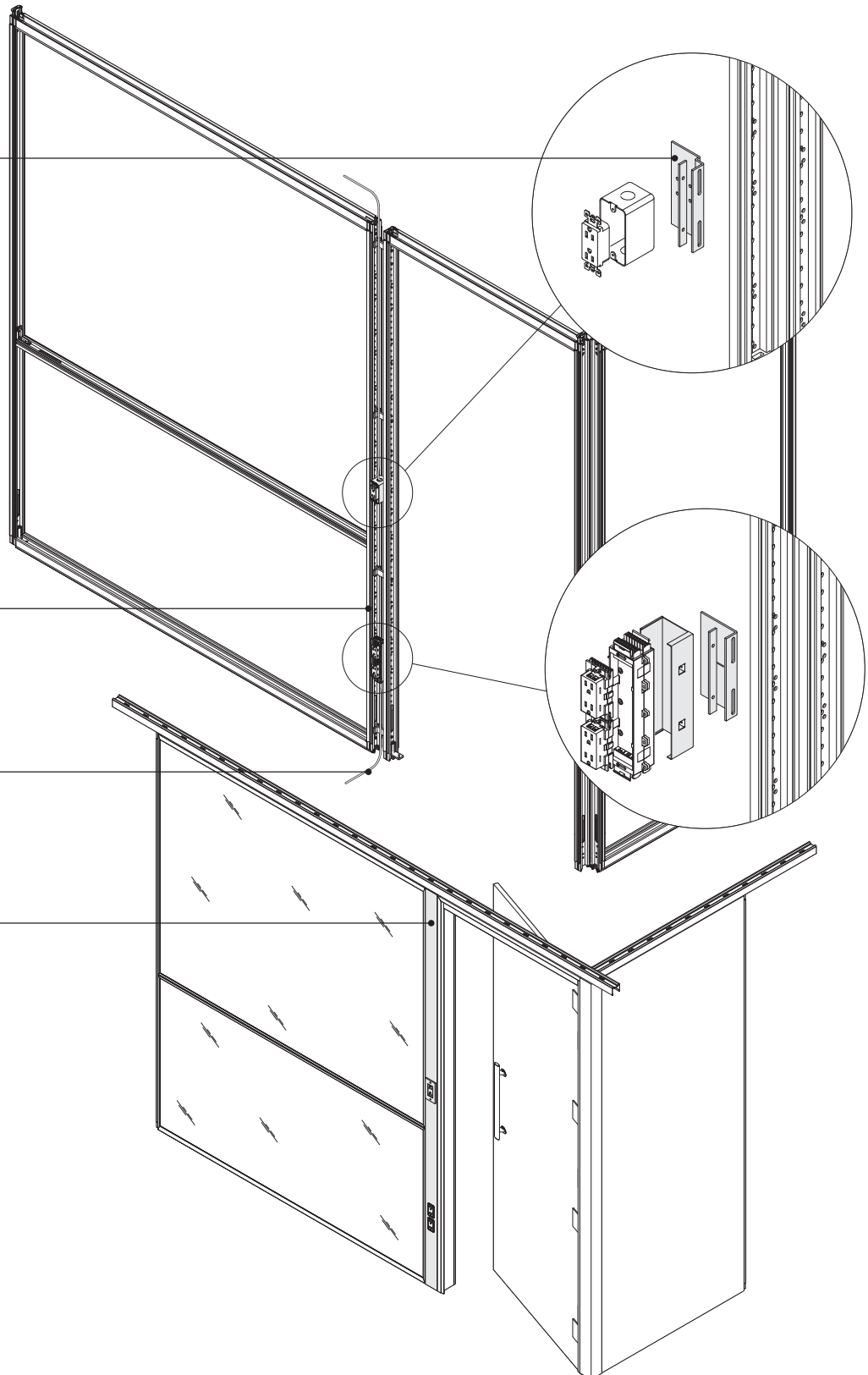


**Electrical mounting brackets** support hard-wired or modular power.

**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 93, 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 73

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

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

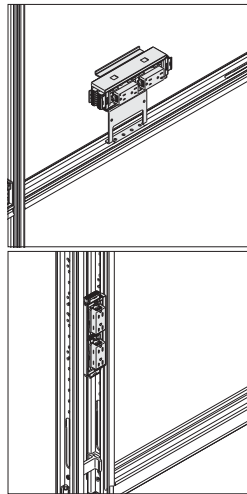
► See *SmartTools*, page 4

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

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

**A maximum of three devices** can be located in a single utility panel.

► See *Utility Panels*, page 73

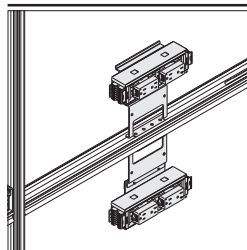


**Electrical devices** are held in place with mounting brackets, which are fastened to structural frame components.

**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.

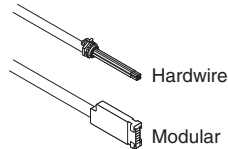
## Modular Power in Skins



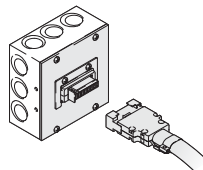
**Modular power blocks** are held in place with mounting brackets, which are fastened to structural frame components.

**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.*

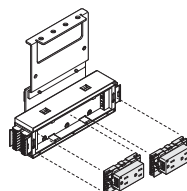


**End of the power infeed** can be hardwire or modular. Hardwire allows the electrician to make a conventional connection to the building's power inside a junction box. Modular allows the infeed to connect to any corresponding modular infeed cover. This is the same modular connector used by Answer, Montage,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

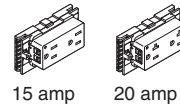


**Modular infeed cover** is included with modular multipurpose infeed to hardwire to a junction box. It allows modular connector on the infeed to snap easily into position. This allows infeeds to be quickly disconnected, moved, and reconnected later.

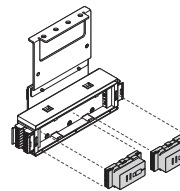
**Power blocks** can accommodate receptacles on one side of the wall.



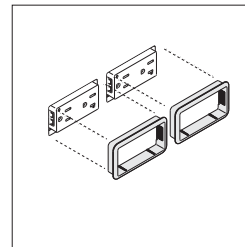
**Receptacles** are ordered separately and field installed in power blocks. Separate duplex receptacles are available to engage each of the different circuits that are possible in the electrical system. Receptacles are coded to indicate which circuit and type of ground they engage.



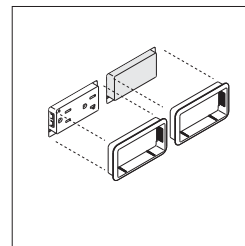
**Receptacles** can be specified as 15 amp or 20 amp rated.



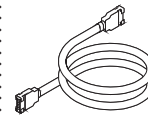
**USB receptacles** are available in three wiring schematics with multiple line options. USB receptacles offer easy access to two changing ports. Each port provides one ampereage of output. USB receptacles conveniently charge a wide range of electronic devices. Some devices may not be compatible.



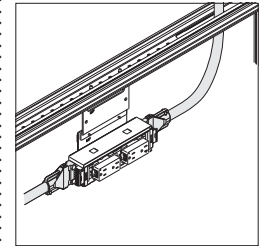
**Receptacle trim** is used with each receptacle to cover the edge of the cut-out and create a precise transition between the cut-out and the receptacle.



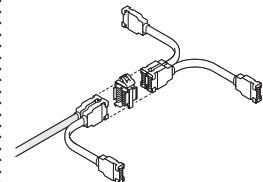
**When a single duplex receptacle is needed**, use a blank cut-out cover over the unused cut-out.



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

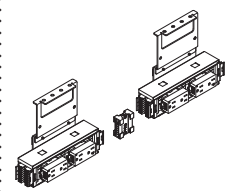


**Each power block** can receive a single harness at either end.



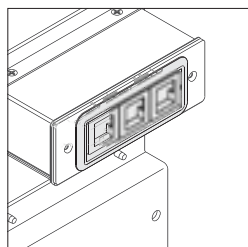
**Harness-to-harness branching connector** link harnesses. This allows multiple harnesses to connect at a single point to allow power networks to branch.

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



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

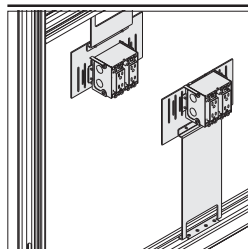
**Power harnesses** can be routed behind solid skins or within junctions and mini ends.



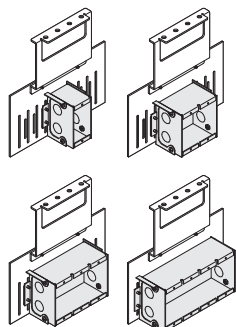
A **modular communication faceplate** can be used to create voice and data terminations using a design that is consistent with modular power receptacles.

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

### Hardwire in Skins



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



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

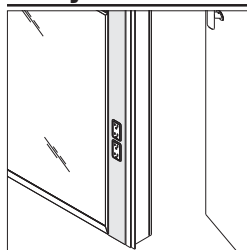
Mounting brackets are designed for use with 2 1/2" deep junction boxes as manufactured by Appleton. Single Gang – M1-250 Two Gang – M2-250 Three Gang – M3-250 Four Gang – M4-250 Partition – LVP250

Skins can be factory cut for any of these four sizes.

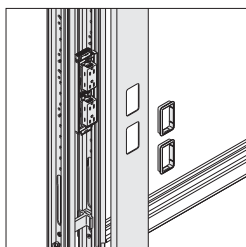
**Junction boxes (and associated devices) and cover plates** are purchased locally and are not part of the V.I.A. statement of line.

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

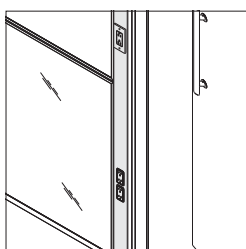
### Utility Panel



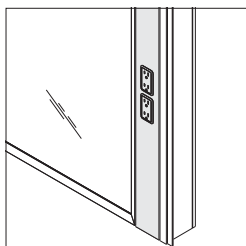
**Utility panels** are used to house electrical devices when solid skins are not available, or skin cut-outs are not desired.



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



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



**Modular power blocks** are oriented vertically in the utility panel.

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

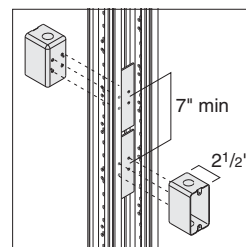


Hardwire box

Modular power block

**Utility panel mounting brackets** are designed for use with hardwired junction boxes as manufactured by Appleton.

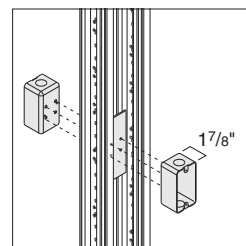
2 1/2" deep: 4SSLD-1/2"  
1 7/8" deep: 4CS1 1/2"



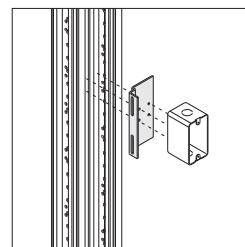
**When hardwired devices using a 2 1/2" deep box** are cut into both sides of the utility panel, they must be offset by a minimum of 7" (center to center).

**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.

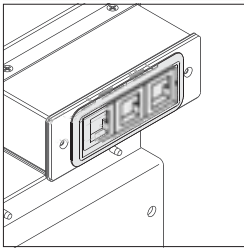
**When a modular or hardwired 2 1/2" deep box** is specified in a utility panel, one cover is cut-out for the box and the opposing cover is notched to allow the necessary clearance for the mounting bracket.

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

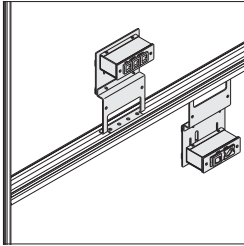
**Junction boxes (and associated devices) and cover plates** are purchased locally and are not part of the V.I.A. statement of line.

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

## Communications

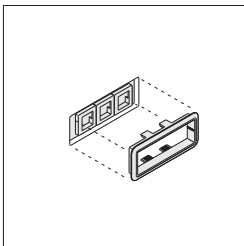


A **modular communication faceplate** can be used to create voice and data terminations using a design that is consistent with modular power receptacles.

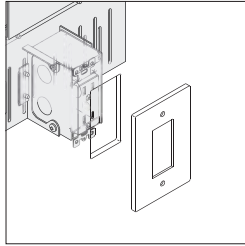


The **modular communication faceplate** is held in place with mounting brackets, which are fastened to structural frame components.

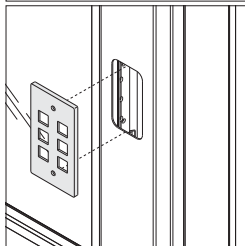
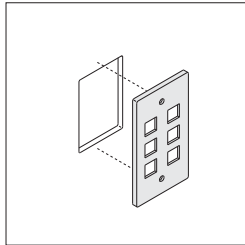
The **modular communication faceplate** can be specified for either three RJ45 connections or a combination of one RJ45 and a VGA connection.



**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.



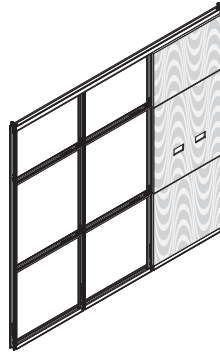
**Conventional communication faceplates** can be used with an electrical box, which is held in place with electrical mounting brackets.



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

## Cut-Outs

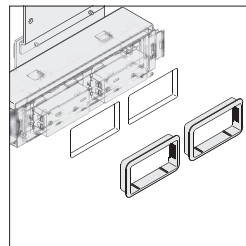
**Cut-out locations** are parametric, and are positioned as part of the design/planning process.



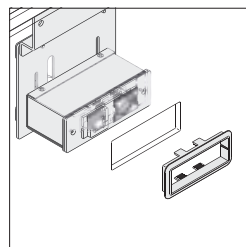
**When specifying veneer skin sets**, only one skin within the set can have electrical cut-outs, with a maximum of two cut-outs within that skin.

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

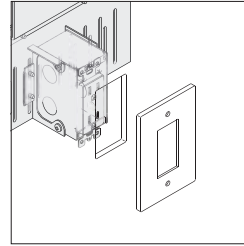
The **maximum number of cut-outs per skin** will vary depending on the size of the skin. The largest skin will allow for nine cut-outs.



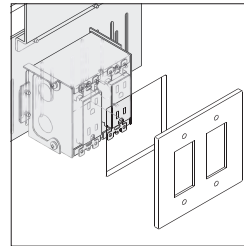
**Modular Double** (two cut-outs for two receptacles)



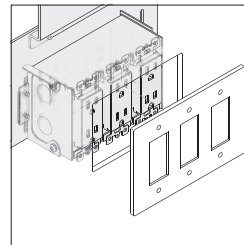
**Modular Communications**



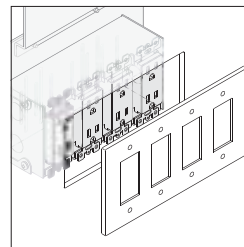
**Hardwire Single**



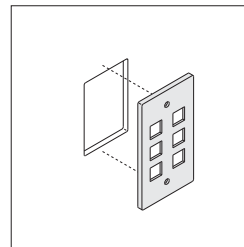
**Hardwire Double**



**Hardwire Triple**



**Hardwire Fourplex**



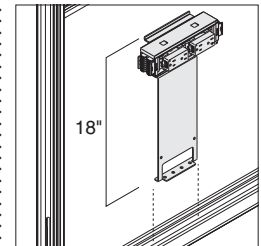
**Communications – No Junction Box**

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

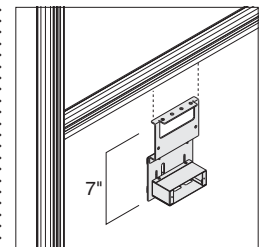
## Brackets

**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

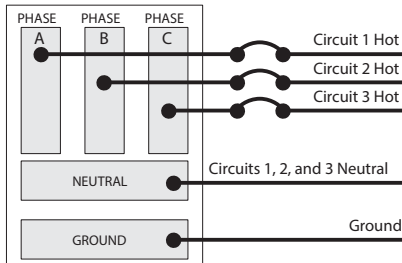
Separate neutral conductors = 12 gauge

Hot conductors = 12 gauge

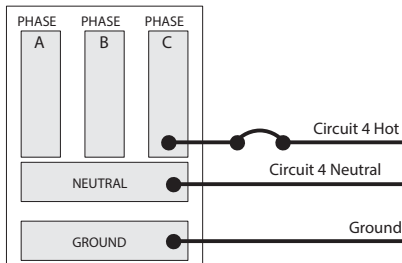
Grounding conductors = 12 gauge

## Four-Circuit, 3+1

Circuit Panel 1

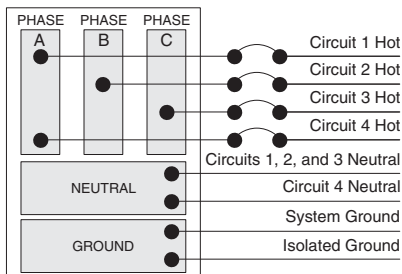


Circuit Panel 2



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

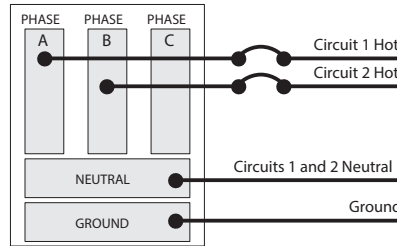
Single 3-Phase Circuit Panel



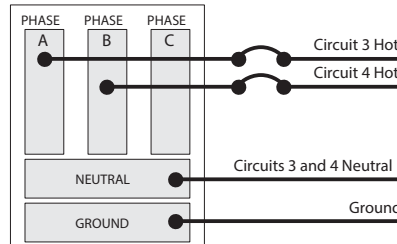
**On a single 3-phase circuit panel,** all four circuits are distributed as shown.

## Four-Circuit, 2+2

Circuit Panel 1

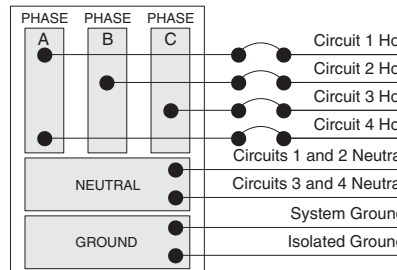


Circuit Panel 2



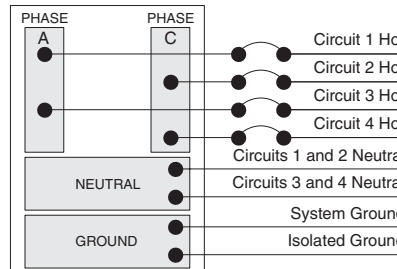
**In the four-circuit 2+2 schematic,** circuits 1 and 2 are distributed from two different phases from the first circuit panel and are supported with one shared neutral and one shared ground. Circuits 3 and 4 are distributed from a second circuit panel and are supported by their own shared neutral and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

Single 3-Phase Circuit Panel



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

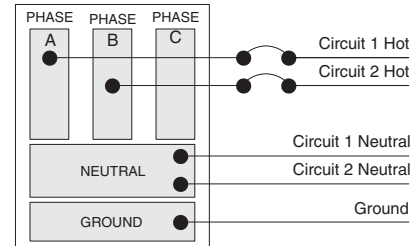
Split-Phase Circuit Panel



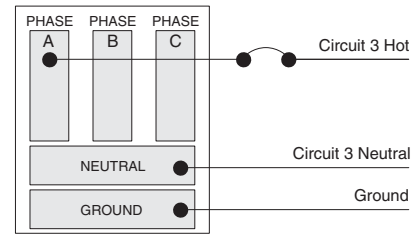
**On a split-phase circuit panel,** all four circuits are distributed as shown.

## Three-Circuit, Separate Neutrals

Circuit Panel 1

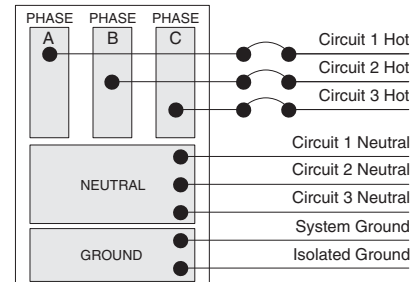


Circuit Panel 2



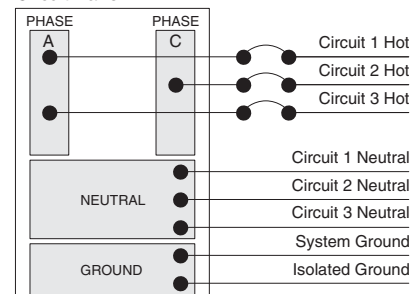
**In the three-circuit, separate neutral schematic,** circuits 1 and 2 are distributed from two different phases from the first circuit panel. Each circuit is supported with its own neutral and a common ground. Circuit 3 is distributed from the second circuit panel and is supported by its own neutral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

Single 3-Phase Circuit Panel



**On a single 3-phase circuit panel,** three circuits are distributed as shown.

Split-Phase Circuit Panel



**On a split-phase circuit panel,** three circuits are distributed as shown.

# How to Calculate Power Needs

Use This to Determine How Many Power-Ins You'll Need

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

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

# Technology Components

► Specifying, pages 200–203

**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.

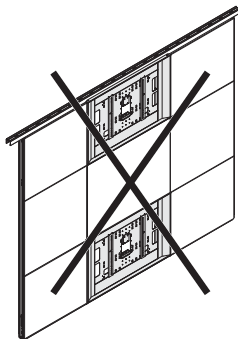
**Optional camera shelf** can be mounted above or below the monitor.

## Product Details

► See *V.I.A. Planning Dimensions*, page 93, for important information regarding dimensional references for all V.I.A. components.

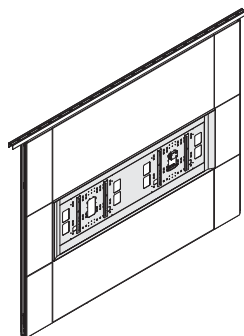
### Monitor Shrouds

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

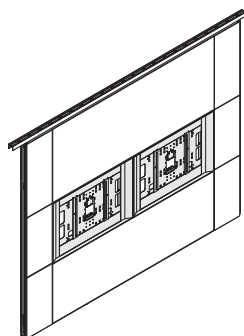


**The monitor shroud** cannot be positioned at the top or bottom position of the wall, for example, adjacent to the top or bottom structural horizontal.

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

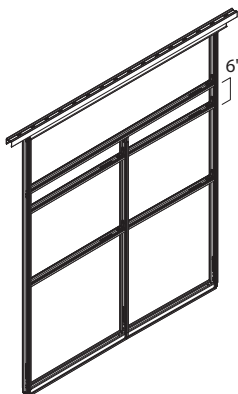


**A double monitor shroud** accommodates two monitors in a single shroud.

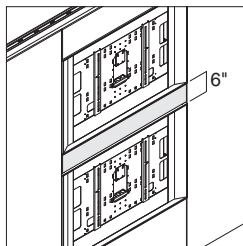


**Single shrouds** can be placed directly adjacent to one another.

**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"
96"	54.000"	Single	Microsoft Surface Hub x 84"				

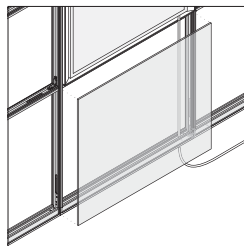
*Note: The monitor diagonal size is for reference only. Refer to the actual monitor height and width dimensions to confirm compatibility.*

*Note: For a Microsoft Surface Hub 55" wide, specify the 63.5" wide by 39.178" high shroud. Order the 55" Hub reinforcing kit through specials.*

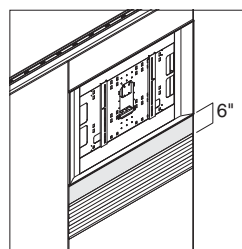
**Monitor mounting brackets** are included with the monitor shroud. The mounting brackets are compatible with the VESA (Video Electronics Standards Association) mounting interface standards, and will accommodate monitor hole patterns that follow this standard in the following sizes:

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

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



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



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

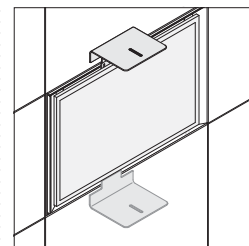
**The monitor shroud** is designed to support a maximum weight of 200 pounds.

**The optimal mounting height for a monitor** will depend on:

- the size of the monitor
- the proper viewing distance from the user (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 84, for more information.

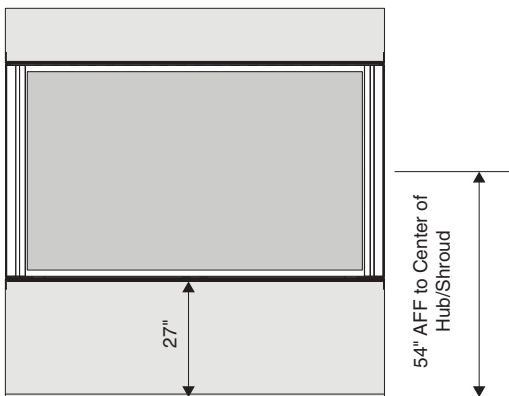
**The camera shelf** can be position anywhere along the top and bottom horizontal edge of the shroud.

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

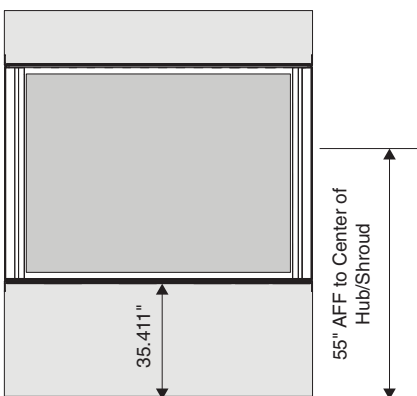
### Monitor Shrouds for the Microsoft Surface Hub

**The Microsoft Surface Hub 84"** will integrate with a 96"W x 54"H shroud that is specifically designed to support the Hub monitor and mounting hardware.

**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. Order the 55" Hub reinforcing kit through specials.



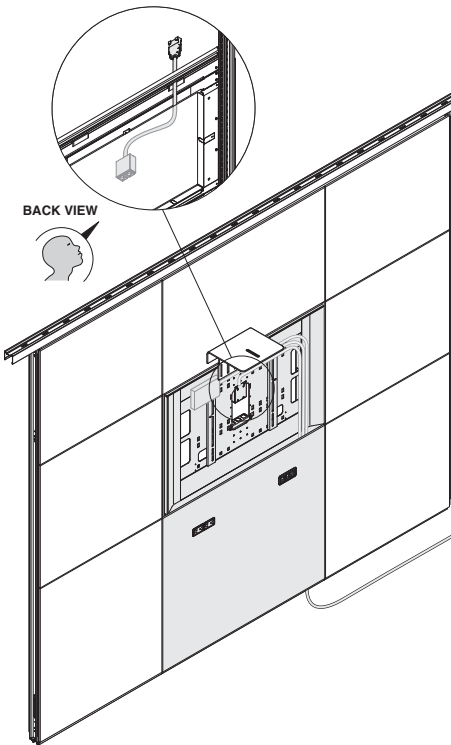
The recommended mounting height for 84" Hub is approximately 54" above the floor



The recommended mounting height for 55" Hub is approximately 55" above the floor

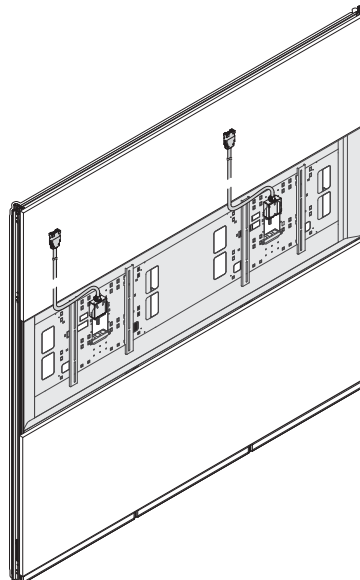
**When mounted to shroud**, the Microsoft Surface Hub does not project more than 4" from the face of the wall.

### Wiring and Cabling



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

**The shroud** includes a power assembly with two simplex receptacles.



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

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

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

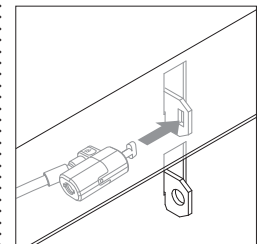
**The modular power assembly** is rated for 20 amps, and can be configured in any of three wiring schematics:

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

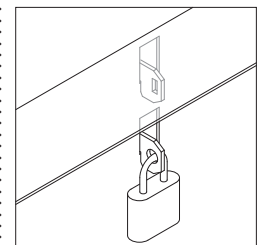
**The power assembly connector** is configured to connect to circuit 1.

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

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



Kensington Lock  
or



Padlock

**The shroud assembly** will include fittings for security locks.

### Surface Materials

#### Monitor shroud

- 8043 Clear Anodized Aluminum
- Paint

**Internal clearance for media:scape scaler** behind monitor shroud

**Internal power assembly** behind shroud for powering monitor and camera

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

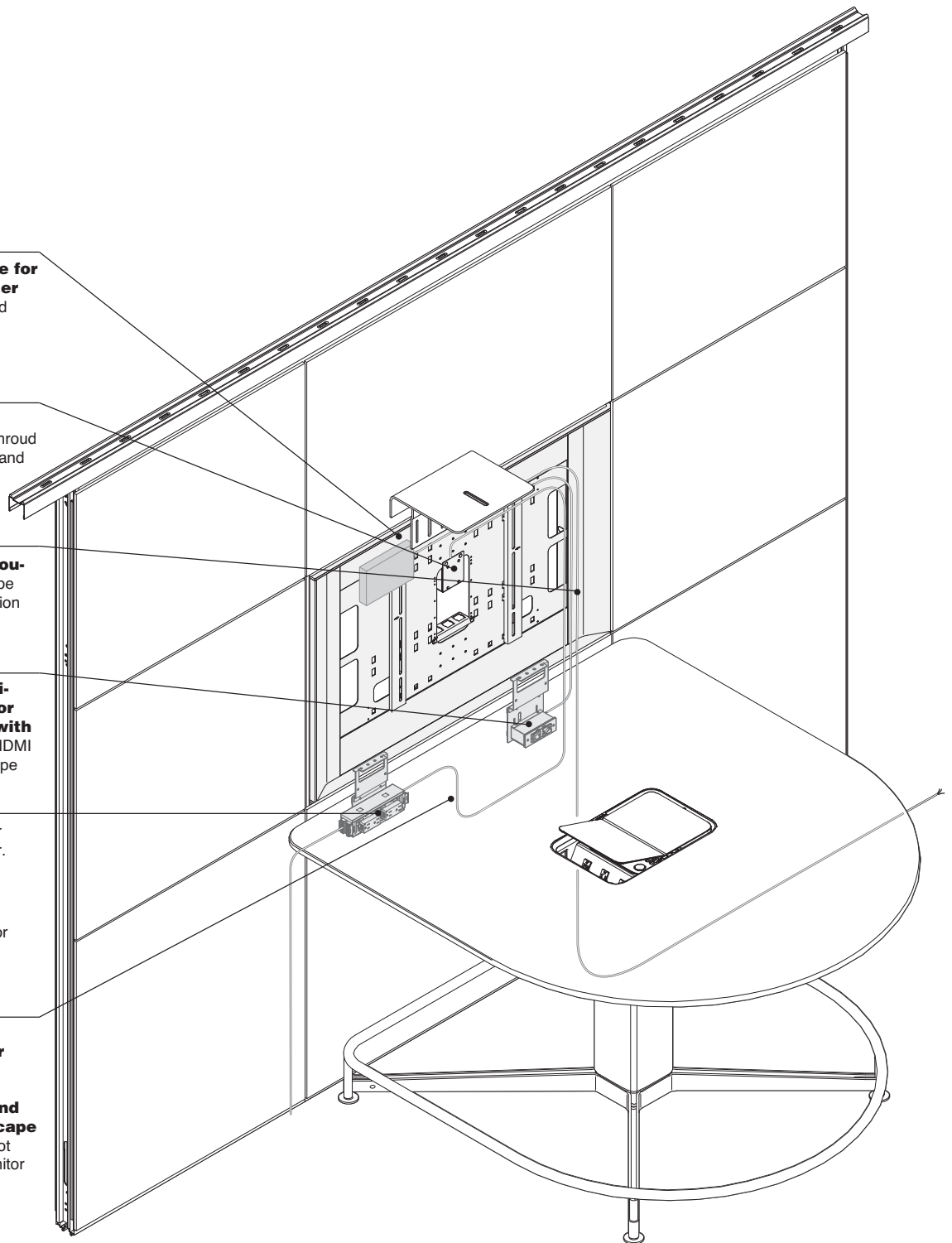
**Modular communication faceplate or NEMA faceplate with hardwire box** for HDMI cable from media:scape switcher

**Modular power** for media:scape switcher.

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

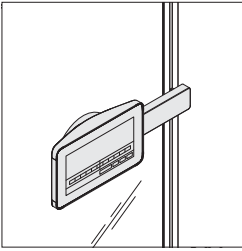
**Power assembly infeed for monitor shroud**

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



# V.I.A. and RoomWizard II

## Product Details



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

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

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

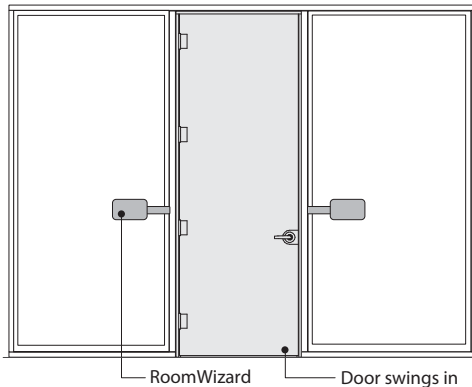
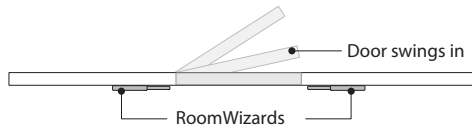
**PoE cable** can also be routed through a utility panel.

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

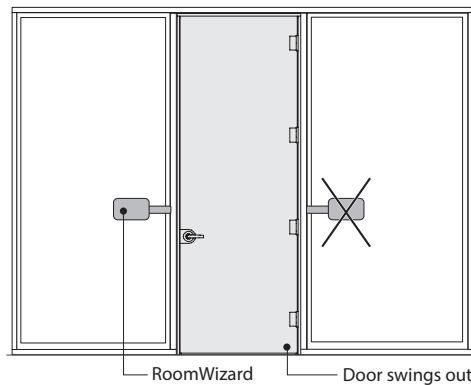
**Refer to the following drawings** to ensure that brackets are positioned properly when mounting adjacent to a door frame.

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

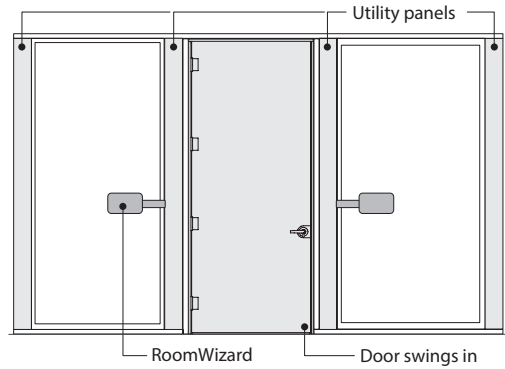
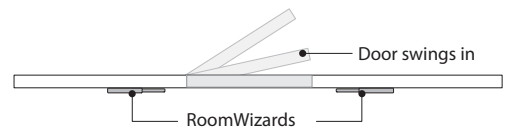
**Utility panels** can be positioned as shown to simplify the cable routing process and to provide adequate spacing between the slider door jamb and the mounting bracket.



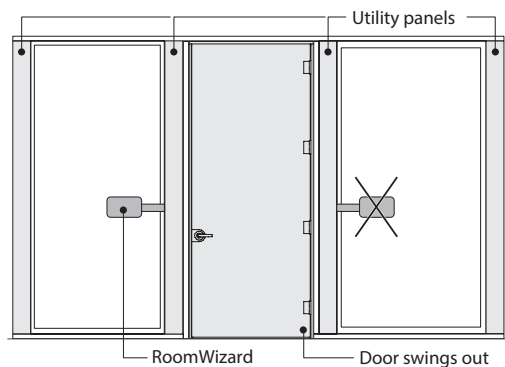
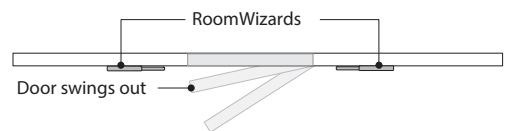
**Reversible door Swings in**



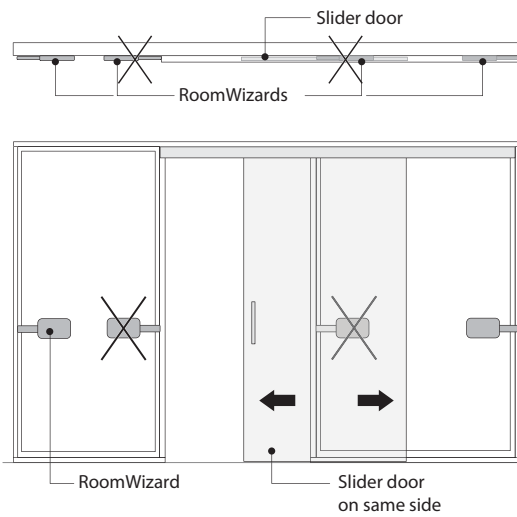
**Reversible door Swings out**



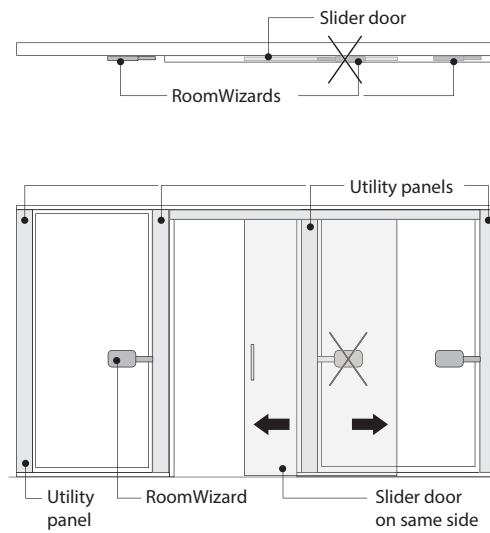
**Reversible door with utility panel Swings in**



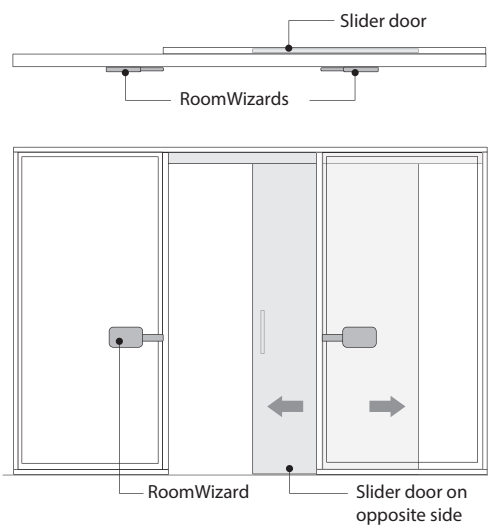
**Reversible door with utility panel Swings out**



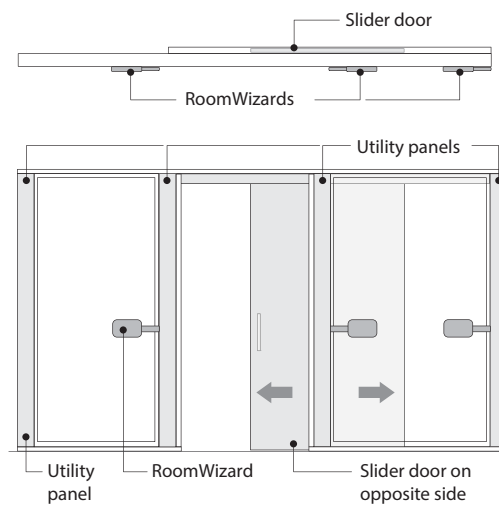
**Slider door  
on same side as RoomWizard II**



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



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



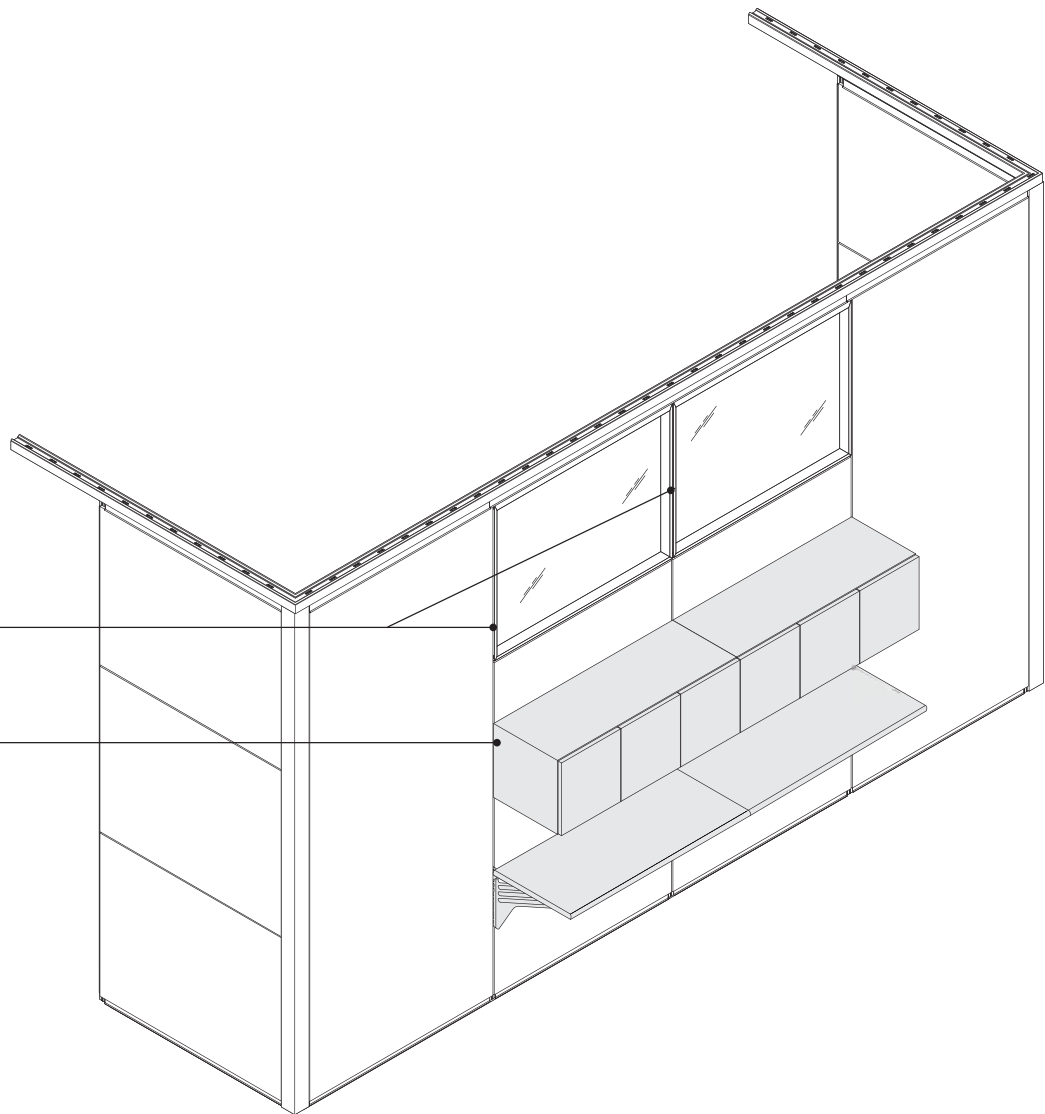
**Slider door with utility panel  
Door on opposite side of RoomWizard II**

# Hang-On Components

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

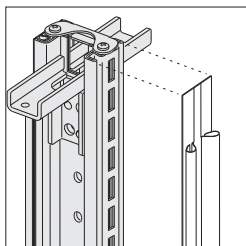
**Posts that support hang-on components** must extend to the ceiling.

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



## Product Details

► See *V.I.A. Planning Dimensions*, page 93, 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.

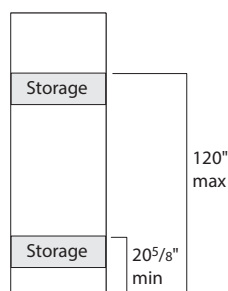
**When planning with furniture to be mounted to slots, V.I.A. wall modules should be configured to the same width as the furniture.**

*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.

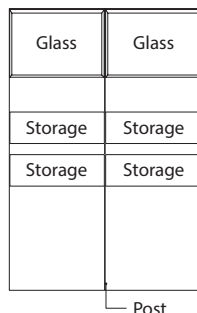


**Components** can be mounted at any vertical position on the wall between 120" and 123<sup>3</sup>/<sub>8</sub>" AFF (Above Finished Floor), at increments of 1.03". The minimum height will depend on the height of the cabinet.

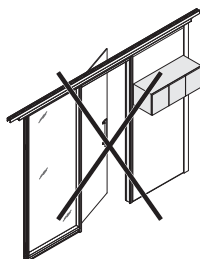
## Minimum Mounting Height

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

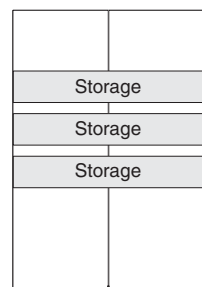
**When planning with V.I.A. on low profile floor,** wall-mounted components cannot be mounted on the wall due to load limitations on the floor.



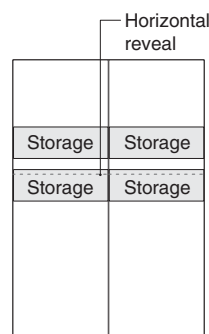
**Posts that support hang-on components** must extend to the ceiling.



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



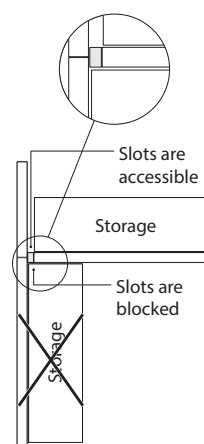
Vertical reveal



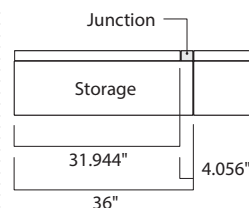
Horizontal reveal

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

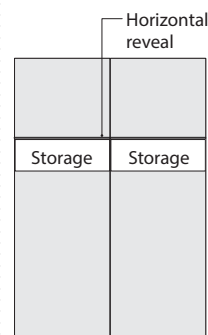
*Tip: When planning for Elective Elements hang-on components, the skin width should be the same dimension as the component width.*



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

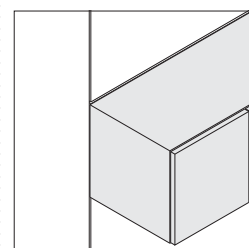


**Hang-on components** can span junctions. Allow for 4.056" when planning for the adjacent skin width.

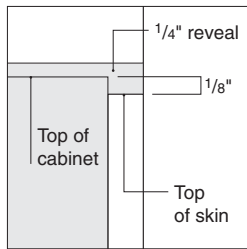


**When using segmented skin configurations,** skins can be planned so that the reveals will orient to the top of the hang-on unit.

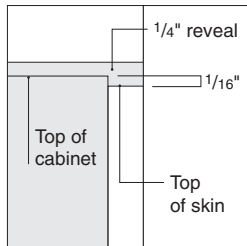
**When mounting two or more cabinets side by side,** ganging straps are required.



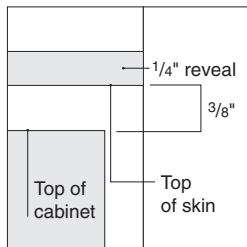
**Universal Sliding Door Bins with sliders, Over the Case Bins, In the Case Bins, c:scape tall and slim storage, and Elective Elements bins** will align exactly with the top of the skin. Other components will be offset slightly.



**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.

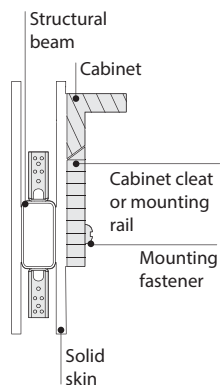
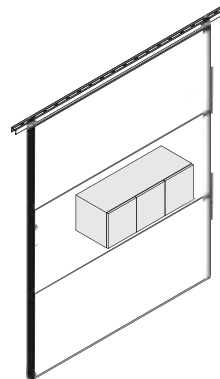
Pattern and etched glass may obscure the backs of the cabinets, but may still allow visible shadows.

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 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



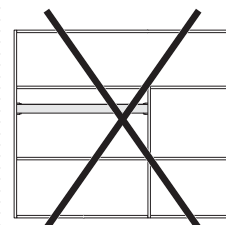
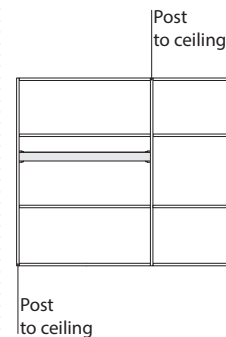
Structural beams are used to provide internal reinforcement in those applications where surface mounted storage is desired. ► Specifying, page 122

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

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".



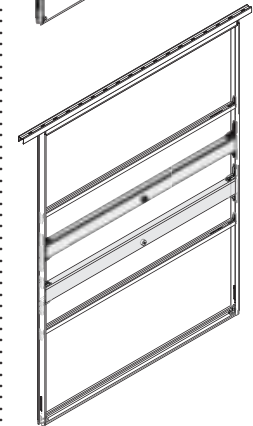
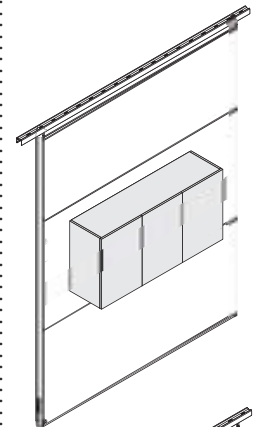
Posts that support a structural beam must extend to the ceiling.

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.



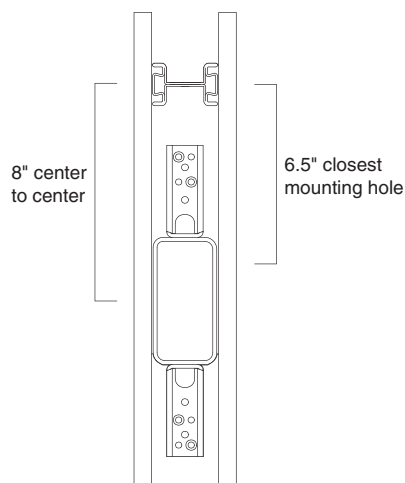
When the cabinet requires two mounting rails, two structural beams must be used accordingly.

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

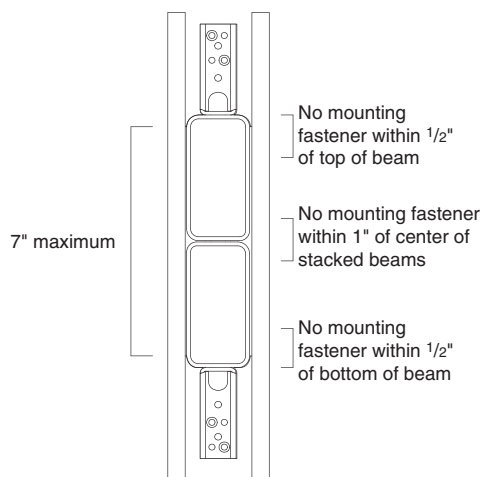
Cabinets can be mounted from both faces of a structural beam.

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

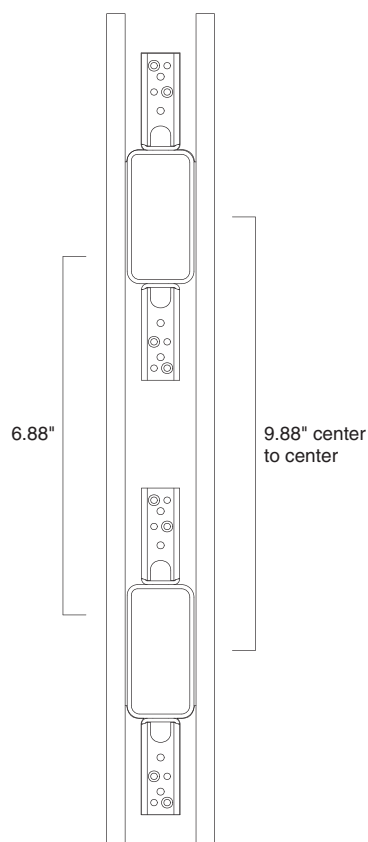
Structural beam can be no closer to the ceiling than 13.5" (to centerline of beam).



**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".

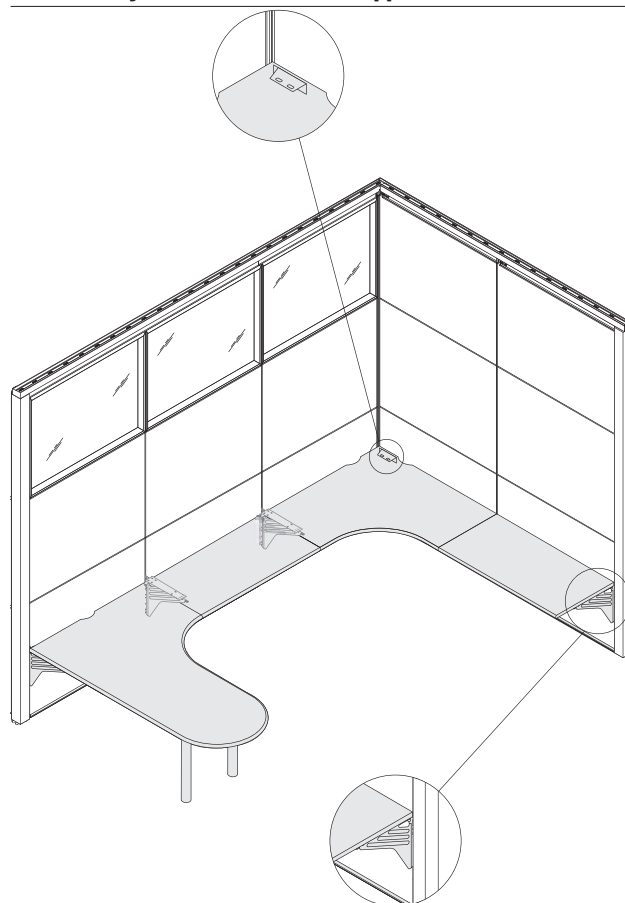


**Two structural beams** can be stacked together prior to mounting, creating an 8" high beam. If vertical distance between two fastening points is between 3"–7", use two stacked beams.



**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

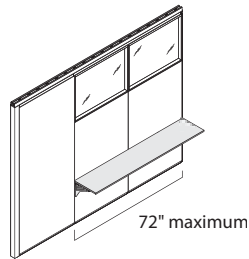
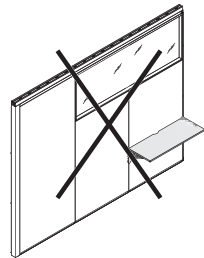
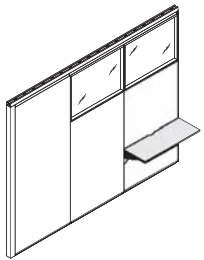


**V.I.A. compatible cantilever brackets (VUCANT) and side support brackets (VUSSBR)** are specifically designed to integrate with V.I.A.'s post and reveal. Universal worksurfaces can be mounted to V.I.A. walls using these supports.

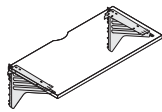
► See the *Answer Solutions Specification Guide* for a full listing of available worksurfaces.

**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.

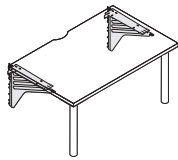
**V.I.A. walls** do not require  
the use of return panels  
to properly support wall  
mounted worksurfaces.



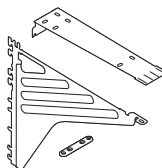
**V.I.A. posts which**  
**support worksurface**  
**brackets** must extend to  
the ceiling.



**24" deep worksur-**  
**faces:**  
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.



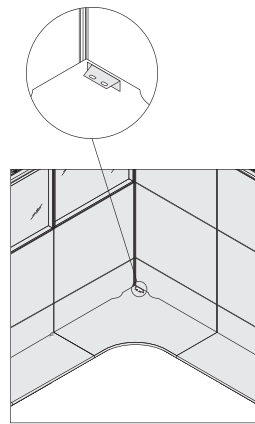
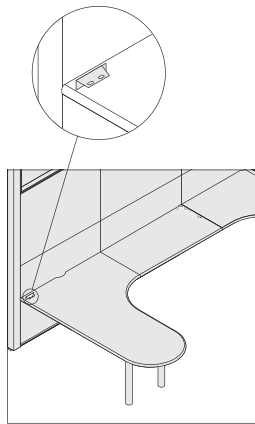
**30" deep worksur-**  
**faces:**  
In addition to cantilevers,  
straight and transition work-  
surfaces require additional  
floor support along the front  
edge at each end, such as  
side support brackets, ped-  
estal, or post leg.



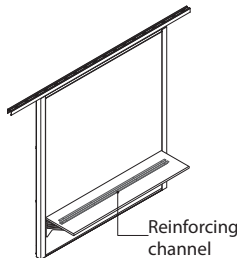
**Cantilevers** support  
worksurfaces at any height  
in 1" increments. Cantilever  
is non-handed and can be  
used to support either end  
of a worksurface, or shared  
to support two worksurfaces  
at the same height simulta-  
neously. One tie plate ships  
with each cantilever.



**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.

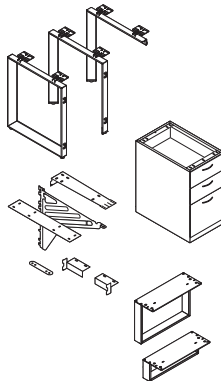


**Single side support brackets** can be used to support the user's side rear corner of bul-let peninsula, or the rear corner of a corner worksurface.



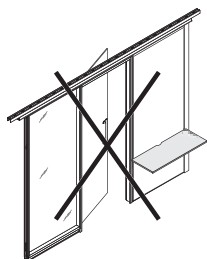
**Long worksurface spans** must be supported with cantilevers, pedestals, legs, or other supports at least every 54". Reinforcing channel (TS7WKSP) allows the distance between supports to be increased to 60" for worksurfaces that will be heavily loaded, or up to 72" for worksurfaces with lighter expected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

► See the *Answer Solutions Specification Guide*.

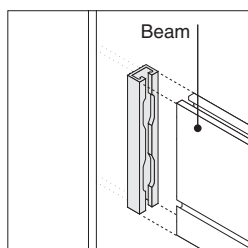


**In addition to wall supported applications with cantilevers and side supports,**  
worksurfaces can also be positioned adjacent to V.I.A. walls by specifying other components  
such as:

- 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.

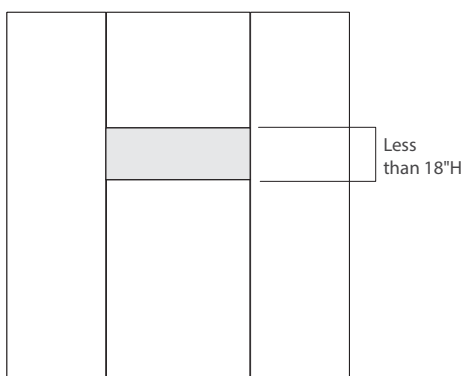
**In certain sizes and configurations**, display monitors can be surface mounted to solid skins (steel, laminate, or veneer) without the need for internal reinforcement. The following guidelines are based on an overall monitor projection of 4" or less.

**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.

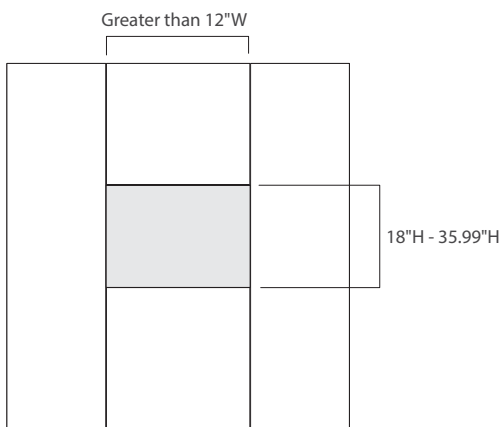
Monitor Maximum Weight			
Skin Height	Skin Width Restriction	Maximum Monitor Weight	Classification of Monitor Mounting Brackets
6"-17.99"	N.A.	N.A.	N.A.
18"-35.99"	Must be > 12"	50 lb	50 lb or less
36"-120"	36"-120"	150 lb	150 lb or less

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

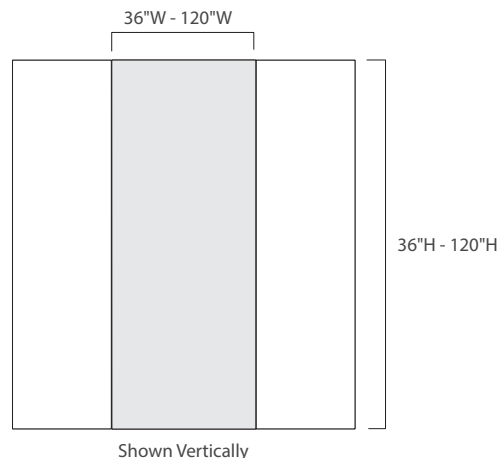
**Mounting bracket** should not be positioned closer than 6" to edge of skin.



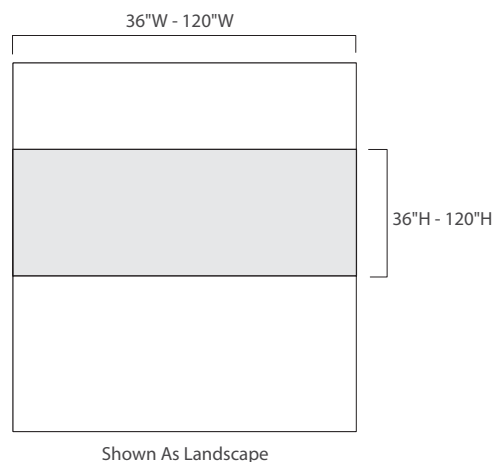
**If skin height is less than 18"H**, no surface mounting is allowed.



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

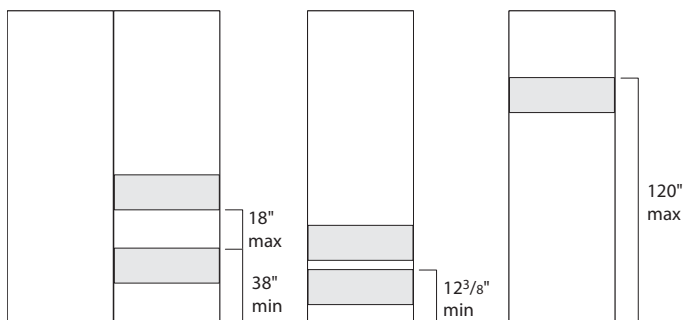


**If skin height is 36"H-120"H and width is 36"W-120"W**, surface mounting is allowed up to 150 pounds.



**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



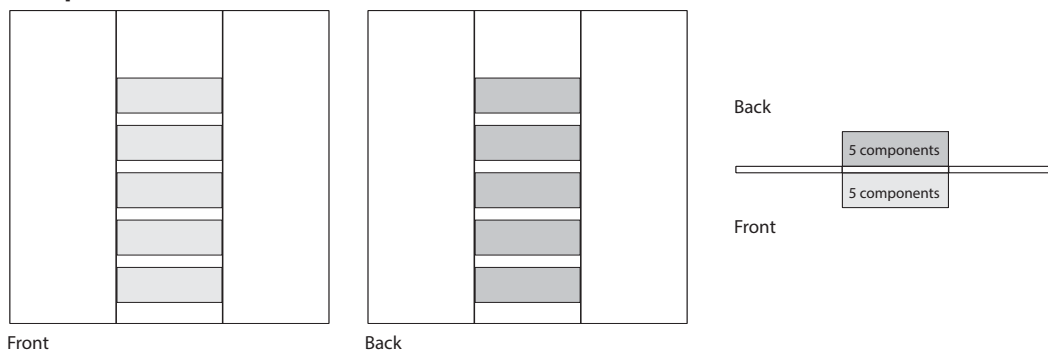
**A cabinet** cannot be positioned below 38" unless there is a cabinet above it within 18".

**Minimum mounting height** is dependent on cabinet type.

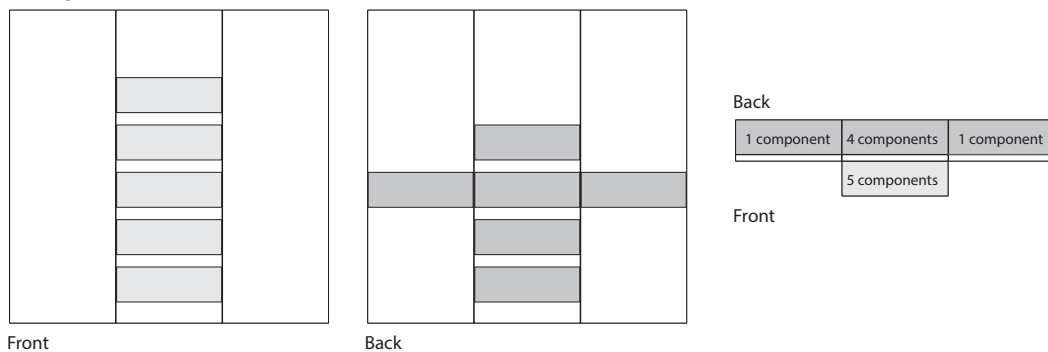
► See *Hang-On Components*, page 80

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

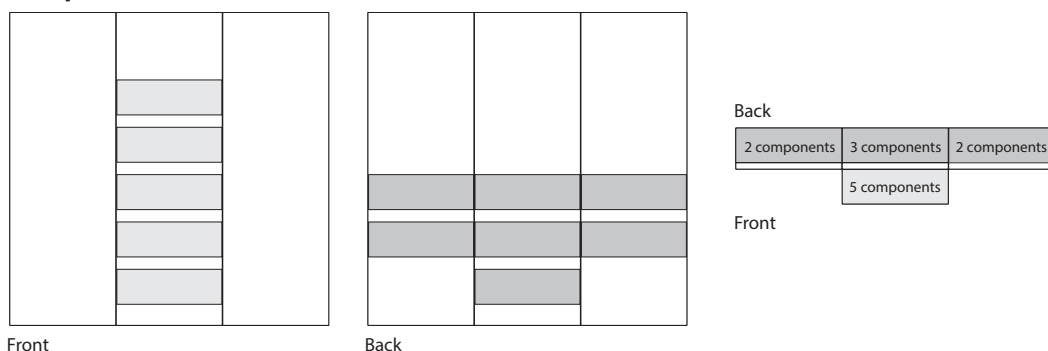
## Example 1:



## Example 2:

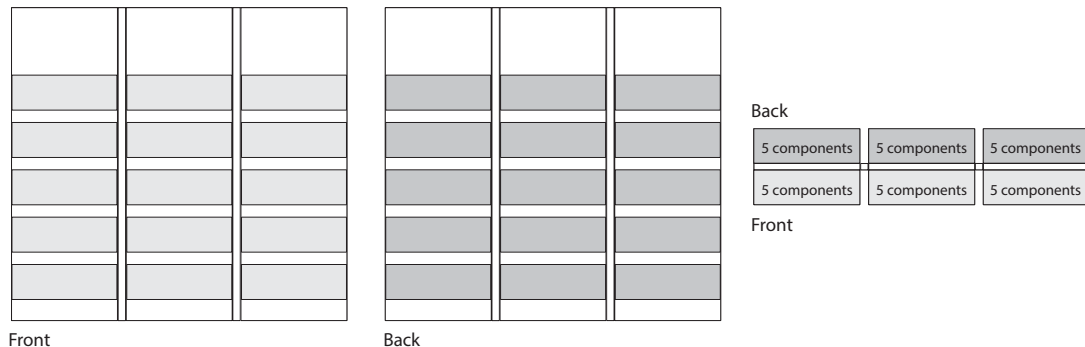


## Example 3:



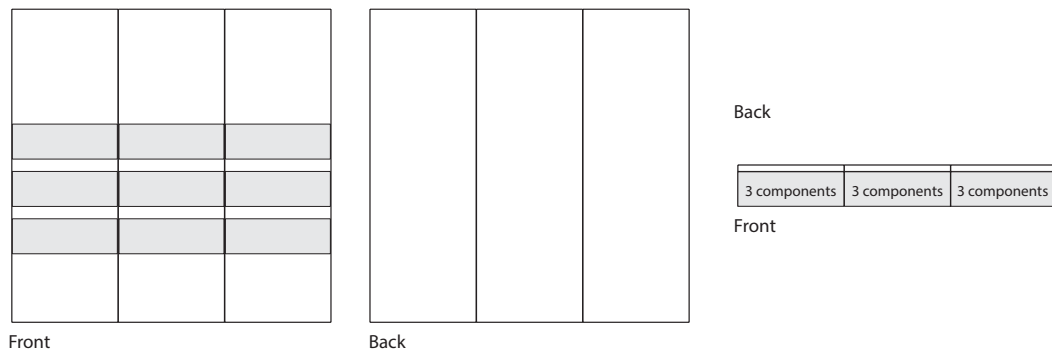
Note: The maximum hang-on capacity on a given wall can be increased by using 180° junctions between modules to reduce the load on each post.

**Example 1:**

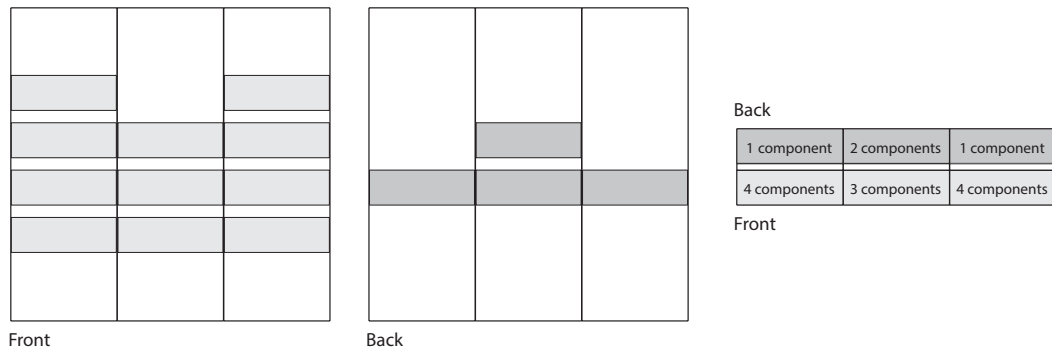


Note: Components must be mounted in a manner where the load difference per module from one side of the wall to the other does not exceed three components.

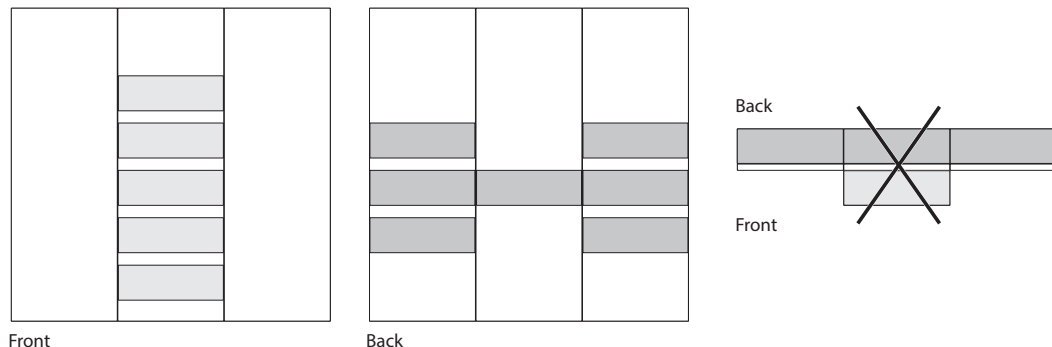
**Example 1:**



**Example 2:**

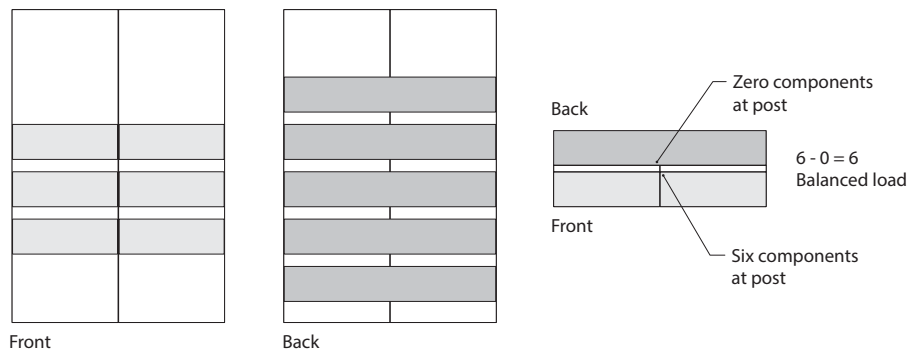


**Example 3:**

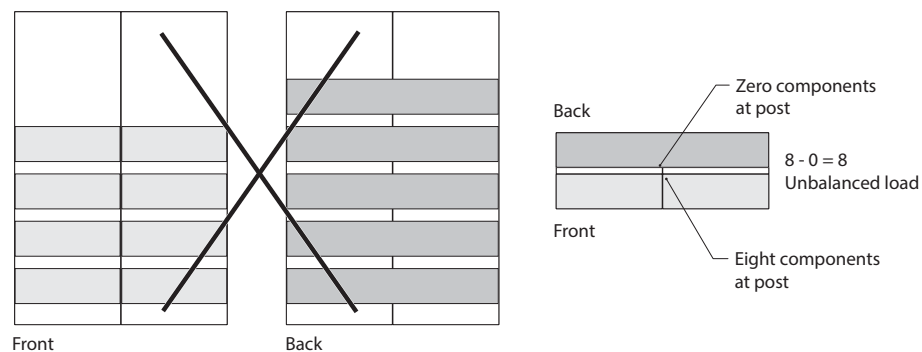


## Loading and Stability Guidelines, continued

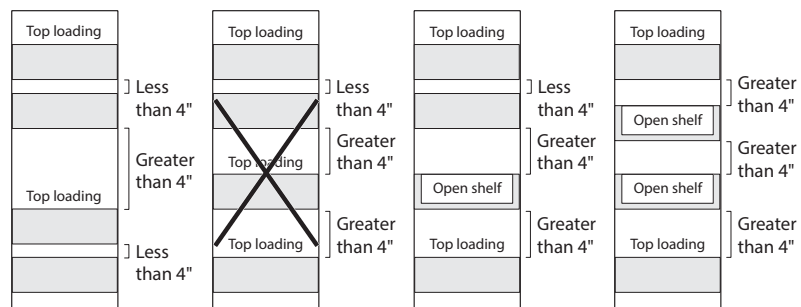
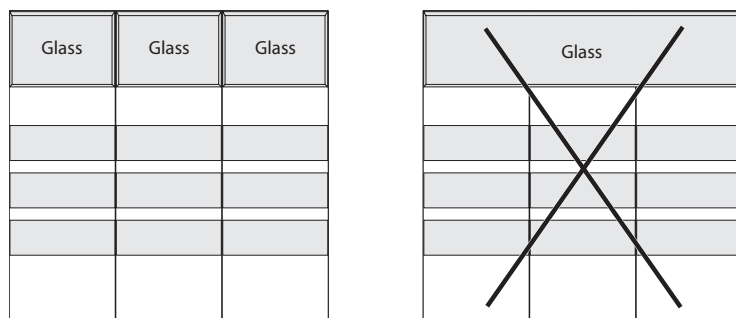
### Example 4:



### Example 5:

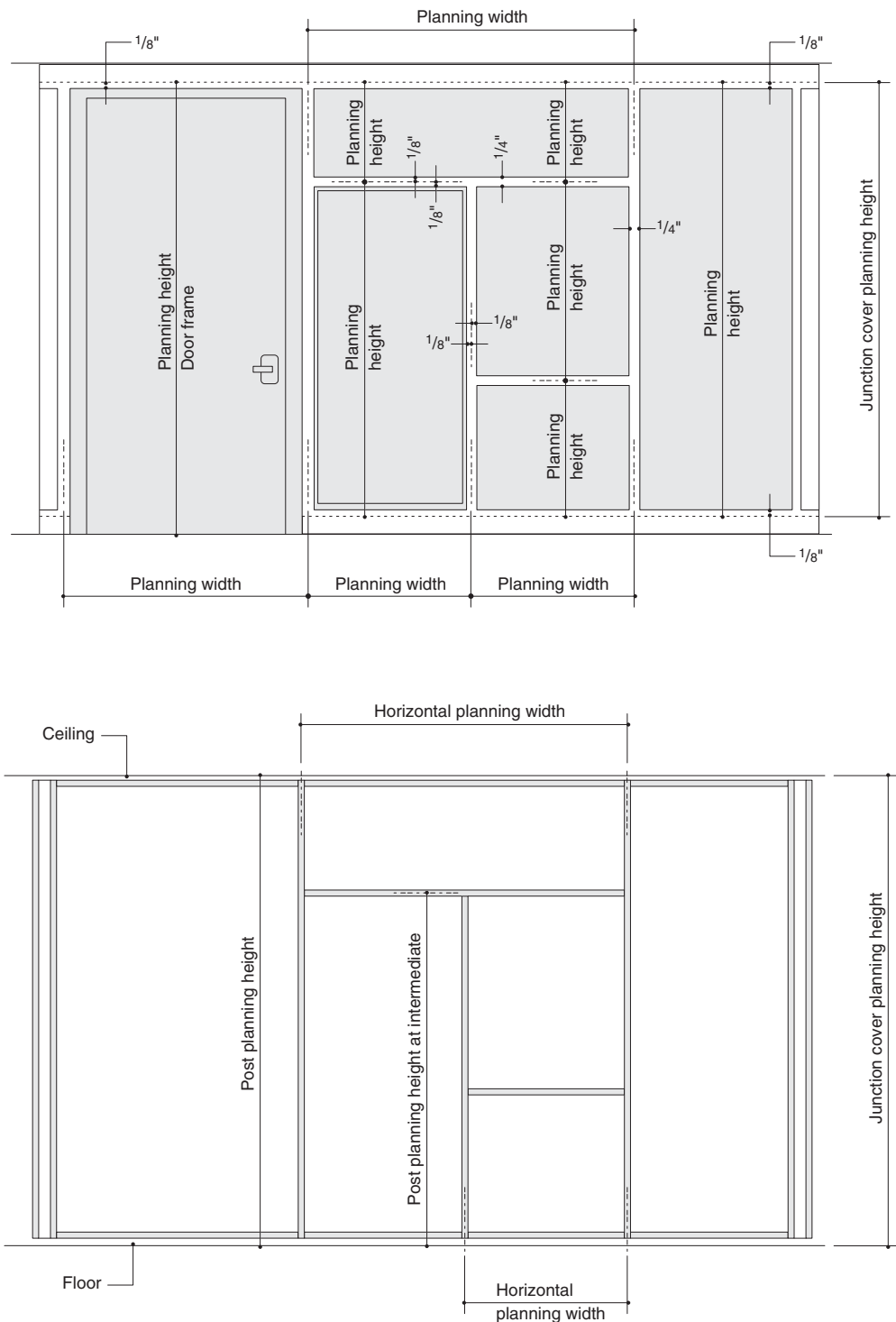


*Note: Posts that support hang-on components must extend to the ceiling.*



**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.

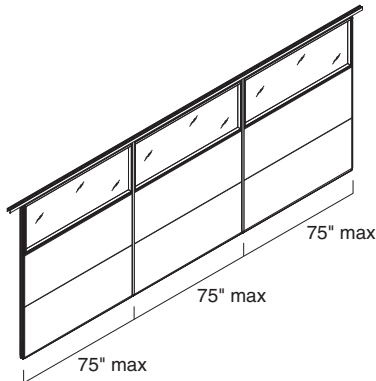
Many of the dimensional planning references for V.I.A. are established based on the position of the skin and frame reveals. To help define component dimensions in this frame of reference, V.I.A. components are specified in the context of planning dimensions, which often use virtual centerlines as a reference 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.

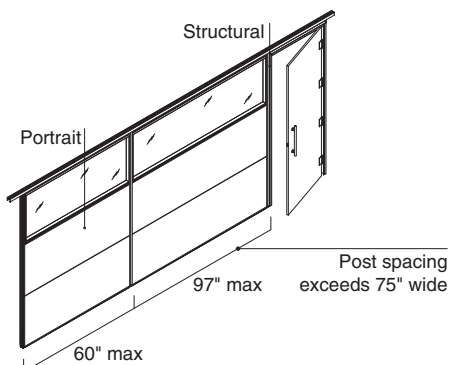


**Once the post spacing exceeds 75"**, additional planning elements such as primary structural assemblies and/or portrait oriented modules are required.

**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 99.*



**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.*

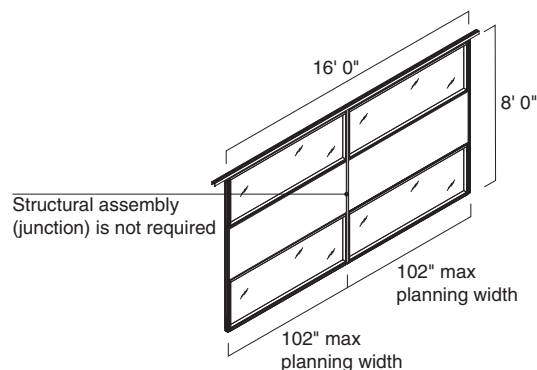
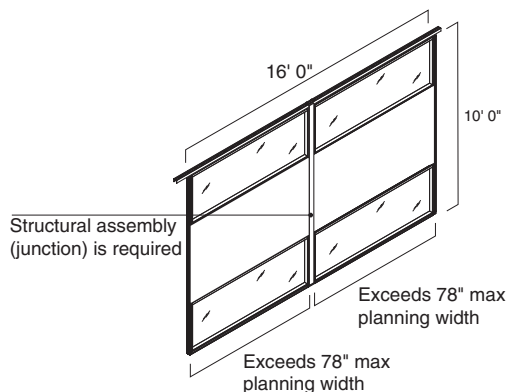
**When skins or captured glass frames are more than 60" wide**, they are considered to be in landscape orientation.

**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

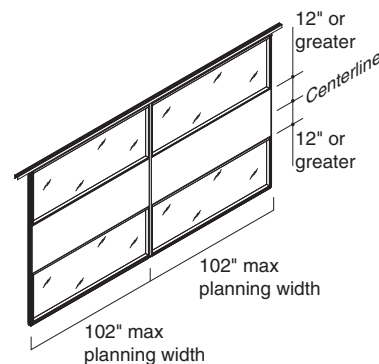
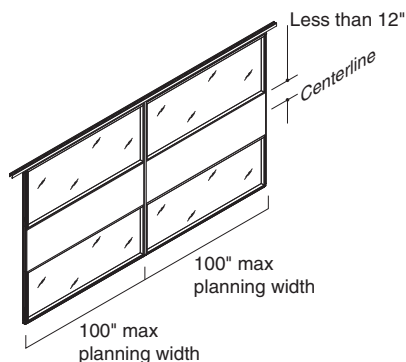
**Maximum allowable planning width** increases as ceiling heights decrease.

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

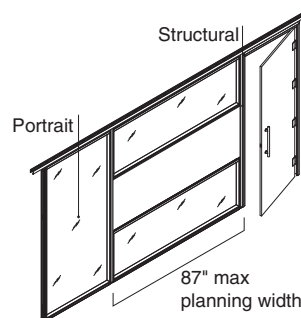
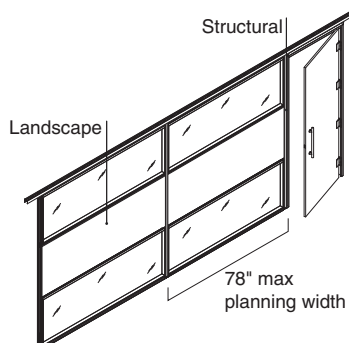


**Maximum allowable planning width** decreases if intermediate horizontals are positioned within 12" of the centerline of the wall.

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



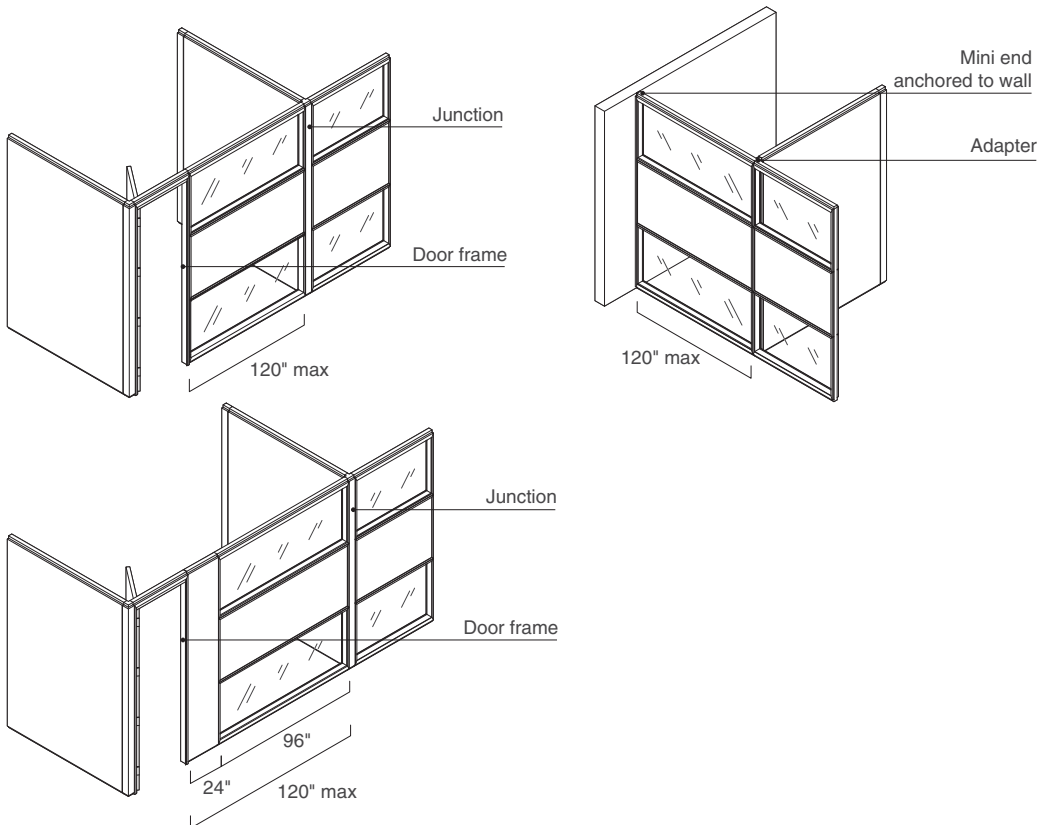
**Maximum allowable planning width** increases if both adjacent modules are either portrait oriented (60" or less between posts) or are a primary structural assembly. Adding a landscape module at either edge limits the maximum planning width.



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

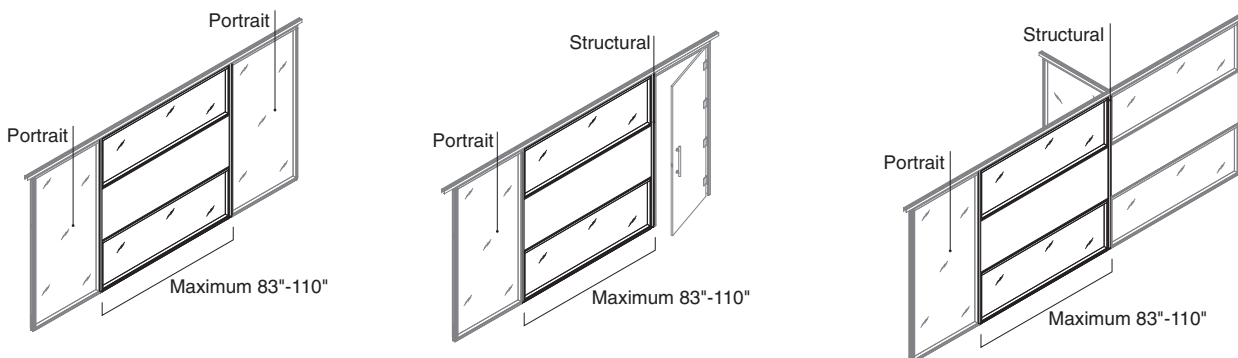
### Planning Within Spans No Greater Than 120" Wide

**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.

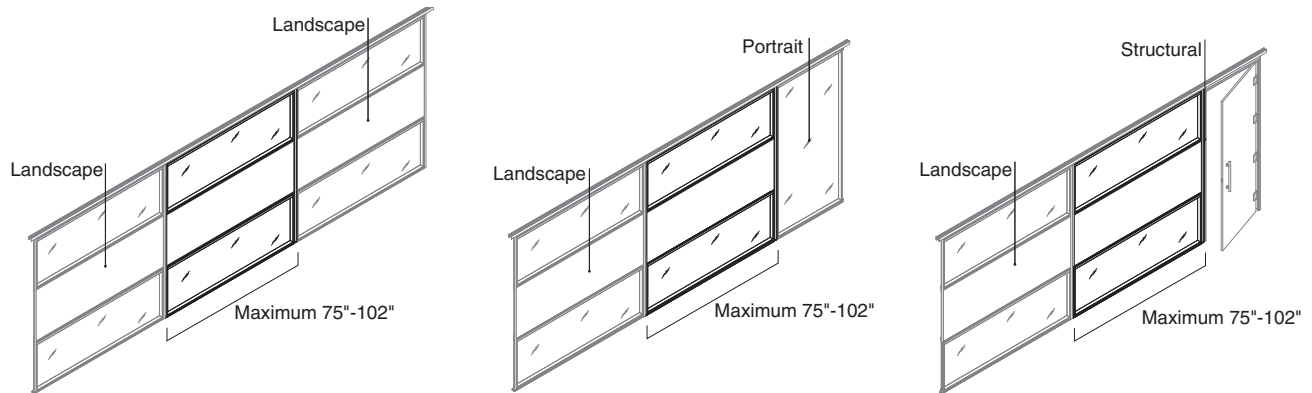


**Landscape modules** can be placed within spans where primary structural assemblies are greater than 120" apart if they are configured as shown below, with maximum planning widths as defined in the *Landscape Planning Matrices*, see page 99.

### Portrait and/or Primary Structural Assembly at Each Edge



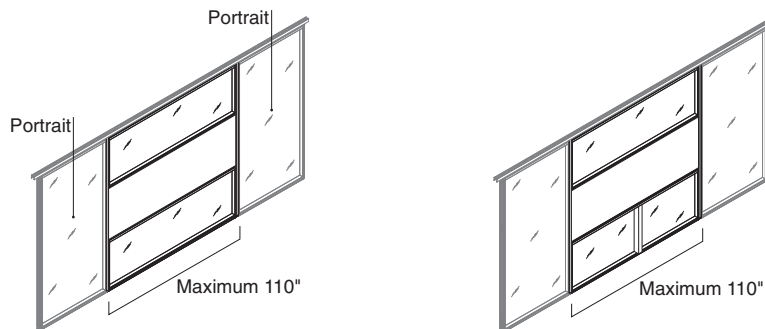
### Landscape Module at Either or Both Edges



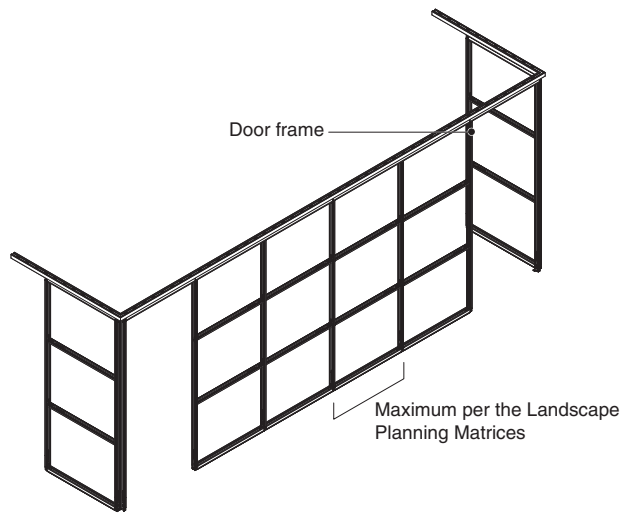
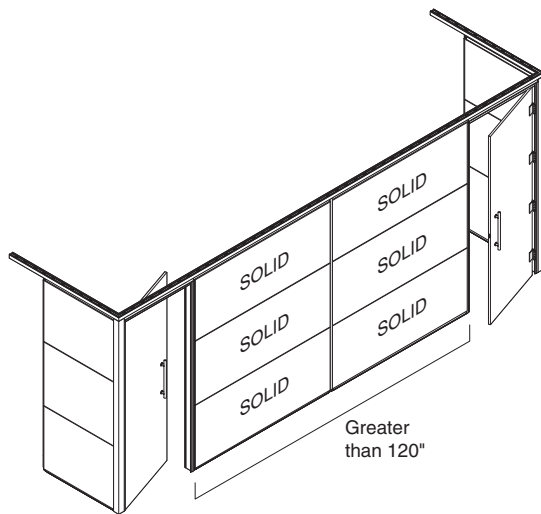
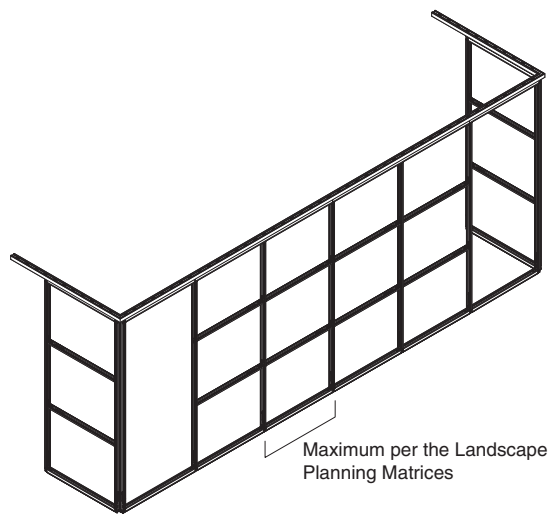
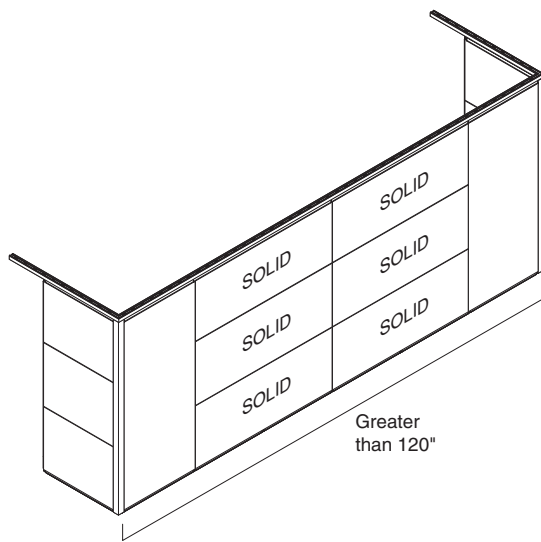
### Primary structural assembly:

- 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.

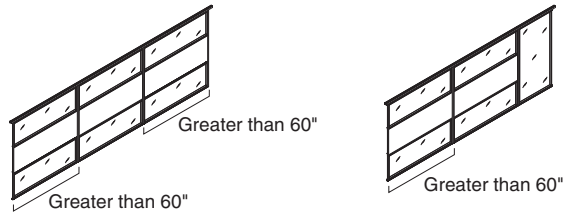


*Tip: Adding an intermediate height post does not increase the maximum width of the landscape frame.*



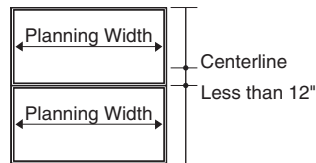
**Planning per these guidelines** ensures that solid walls will meet IBC structural criteria for transverse loads per ASTM E72.

## Either or Both Adjacent Modules Are Landscape



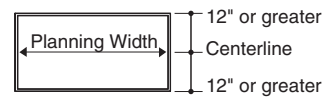
### Intermediate Horizontal:

Any horizontal is closer than 12" to centerline



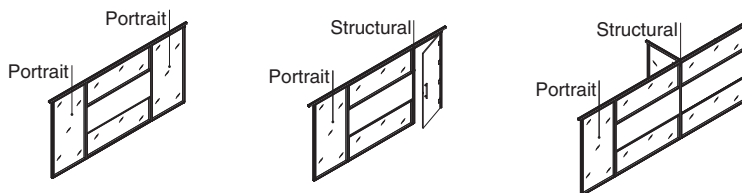
### Intermediate Horizontal:

No horizontal is closer than 12" to centerline



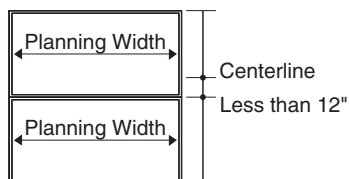
Ceiling Height	Maximum Planning Width	Maximum Planning Width
96"	100"	102"
102"	94"	99"
108"	88"	92"
114"	82"	85"
120"	75"	78"

## Both Adjacent Modules Are Either Portrait Oriented Primary Structural Elements



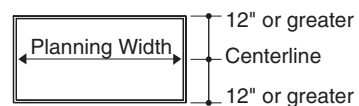
### Intermediate Horizontal:

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.*

► See Page 96

# Acoustic Planning Considerations

## Overall acoustic performance related to sound transmission

can be managed by varying the wall configuration, skin materials, and internal composition.

## The internal composition

can vary in three ways:

1. The wall cavity is untreated. No additional components are used.

2. Internal horizontal seals are added to the back of the skins at the top and bottom structural horizontals. One seal (FESSA2) is applied at each position.

3. Internal seals are added per the above, plus the wall cavity is filled with acoustic insulation (FESIA). Post are also enhanced by vertically positioning the post seal to fully engage with the bottom structural horizontal, and by adding an additional section of post seal to fully engage with the top structural horizontal.

► See *Understanding Skins*, page 32, for more information about acoustic related components and planning guidelines for different skin configurations.

## Sound transmission performance at door openings (slider and reversible)

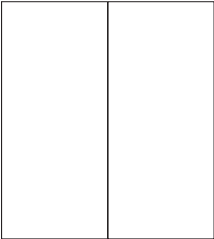
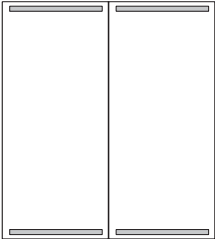
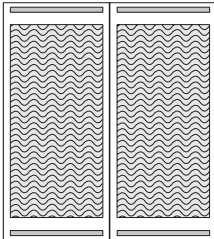
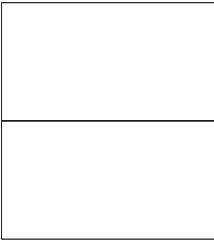
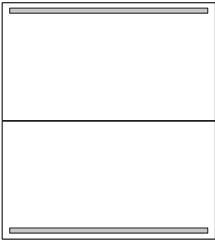
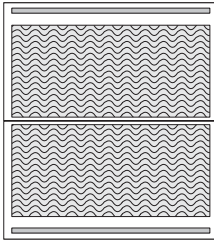

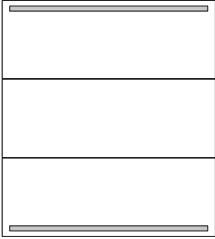
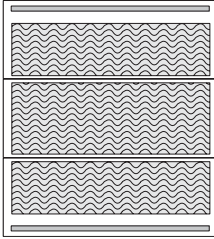
can be improved by adding drop seals to the doors.

**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	 44 STC	 47 STC	 50 STC
Steel Skins Landscape 2 Segments	 44 STC	 48 STC	 53 STC
Steel Skins Landscape 3 Segments	 45 STC	 48 STC	 53 STC

**STC Performance—  
Solid Walls**

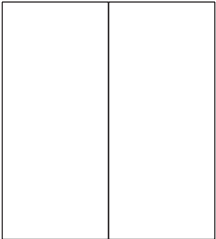
Veneer Skins and Laminate

Untreated

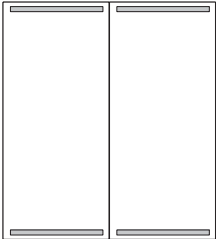
Internal Skin Seals

Internal Skin Seals  
Full Insulation  
Extended Post Seal

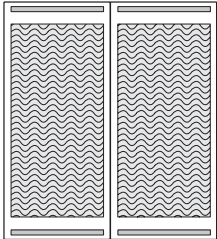
Veneer and  
Laminate Skins  
Portrait  
Oriented



37 STC

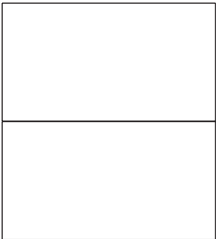


39 STC

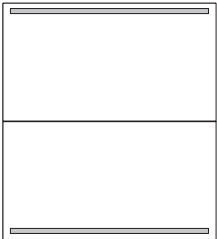


42 STC

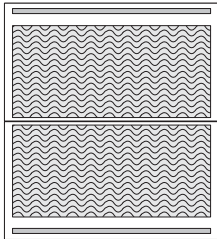
Veneer and  
Laminate Skins  
Landscape  
2 Segments



37 STC

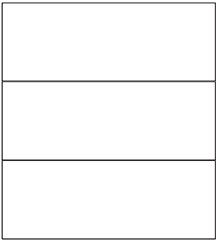


39 STC

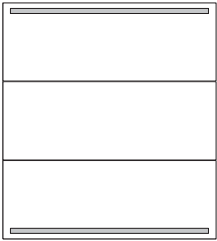


43 STC

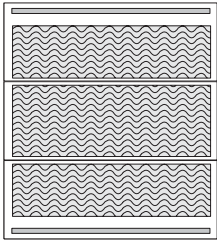
Veneer and  
Laminate Skins  
Landscape  
3 Segments



37 STC

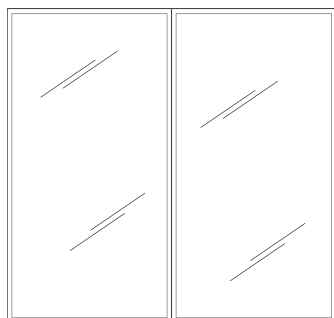


40 STC

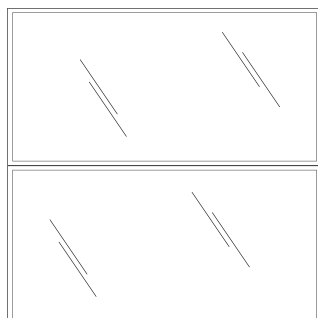


46 STC

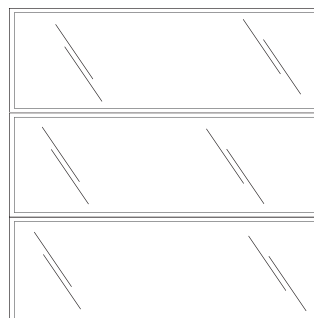
**Combining steel and veneer skins on opposite sides of the same wall** will improve these veneer results by two to four STC points depending on configuration.



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.

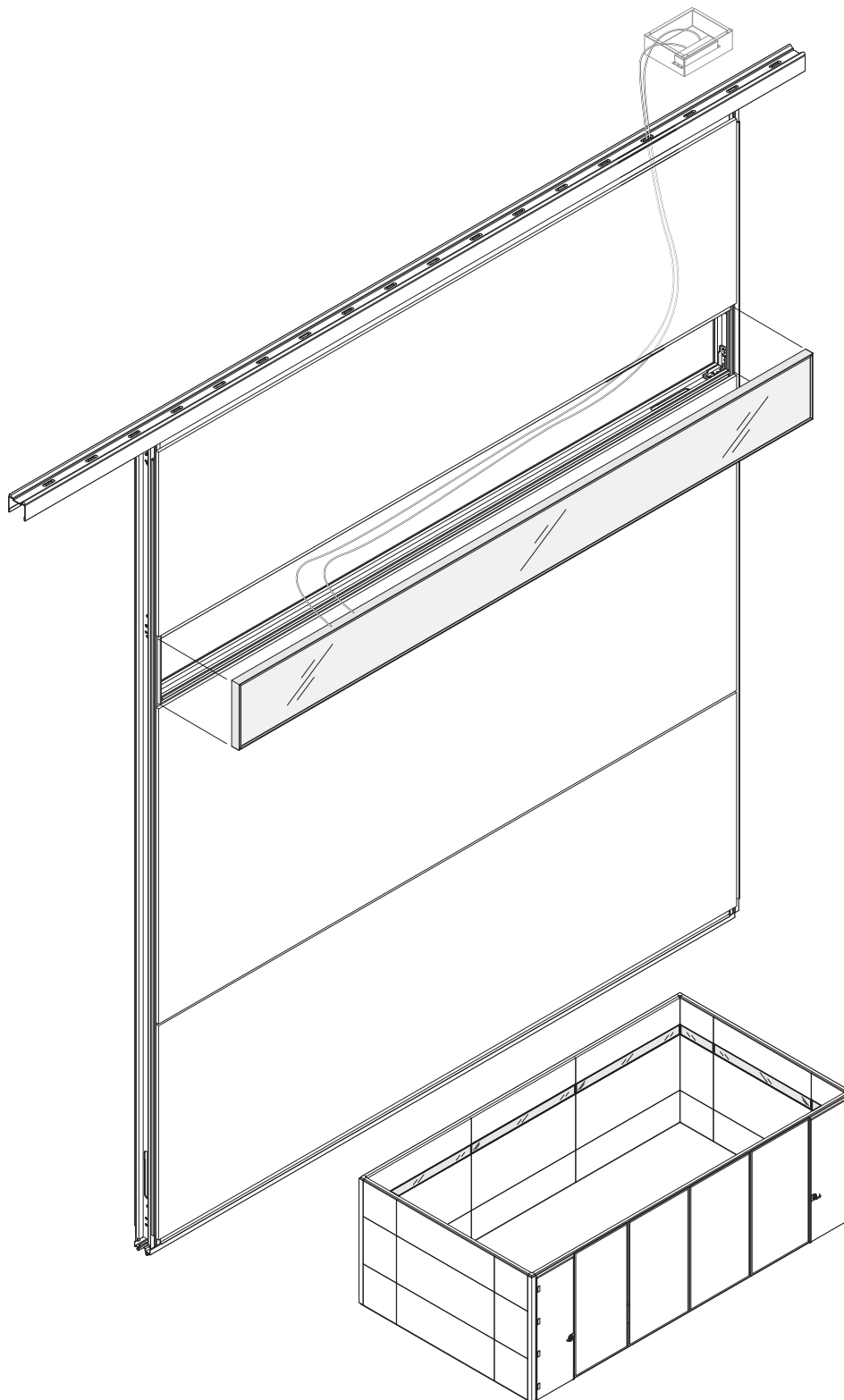
**STC** = Sound Transmission Coefficient



# Lighting

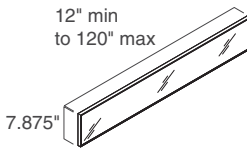
**LED light fixtures** provide fill lighting to improve facial features and enhance video conferencing experiences in High Definition Video Conferencing (HDVC) environments.

► Specifying, page 207

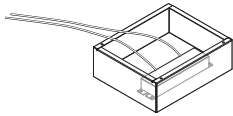


## Product Details

► See *V.I.A. Planning Dimensions*, page 93, 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/m<sup>2</sup> ± 350 cd/m<sup>2</sup>

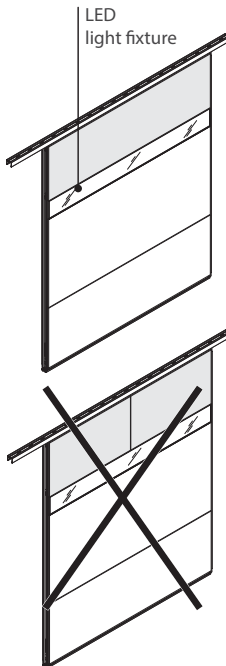
## Application Topics

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

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

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

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



**Vertical skin breaks** are not permitted above LED light fixture.

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

**Vertical skin breaks** are permitted below the LED light fixture.

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

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

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

**The lens for LED light fixture** can be cleaned with any of the following:

- Tap water
- All purpose Mr. Clean
- All purpose Fantastik
- Windex window cleaner
- Glass Plus
- Formula 409

## Wiring and Cabling

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

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

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

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

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

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

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

## LED Driver

### Specifications:

Input voltage (VAC)  
120V-277V  
Frequency Range (Hz)  
50-60Hz  
Input Current (A)  
0.91A@120V  
0.39A@277V

Output Voltage (VDC) 24V  
Output Current (A) 0.1 – 4.0A  
Dimming Control 0-10V  
Dimming Range 50-100%

### Dimensions:

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

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

**LED drivers** can be located within the floor or ceiling.

**LED drivers** must be installed in junction box enclosures. Box enclosures are supplied by the electrical contractor.

*Tip: Electrical box enclosures for LED drivers are too large to fit in Steelcase Low Profile Floor.*

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

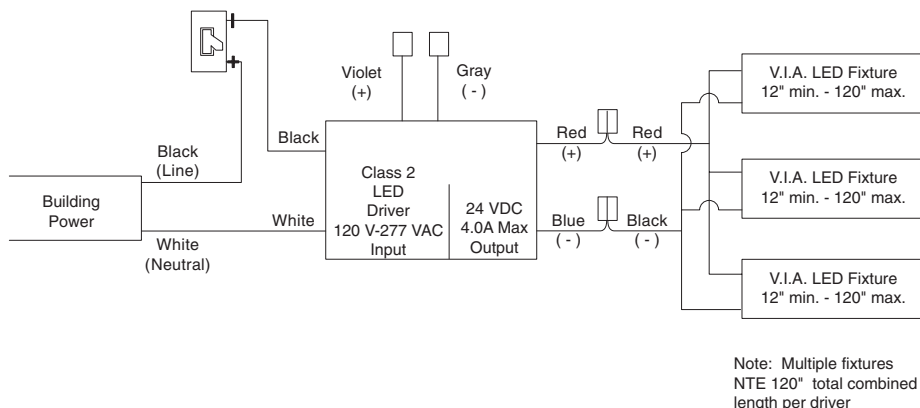
## Surface Materials

### Trim

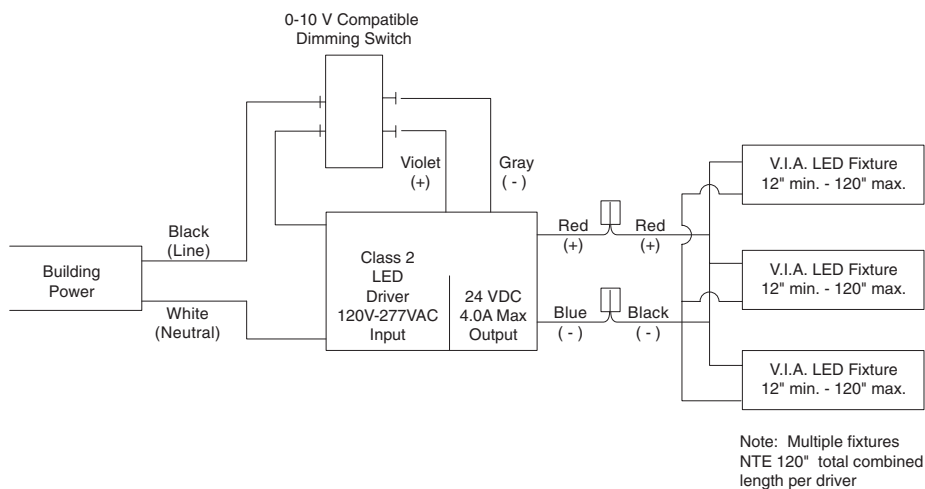
- 8043 Clear Anodized Aluminum
- Paint

## Lighting Schematics

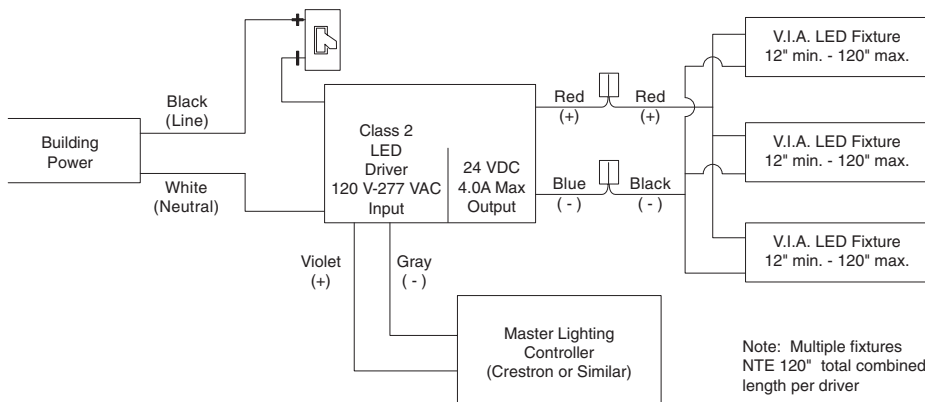
### A: 120V-277 VAC Compatible Toggle On/Off Switch



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



### C: Master Lighting Controller (Crestron, other)



The diagram illustrates the electrical connections for a Class 2 LED Driver. On the left, 'Building Power' is connected to a 'Black (Line)' wire and a 'White (Neutral)' wire. The 'Black (Line)' wire passes through two circuit breakers before connecting to the 'Black' input of the 'Class 2 LED Driver'. The 'White (Neutral)' wire connects to the 'White (Neutral)' input of the driver. The driver's output is labeled '24 VDC 4.0A Max Output'. It has four output terminals: 'Red (+)', 'Red (+)', 'Blue (-)', and 'Black (-)'. The 'Red (+)' terminals are connected to the positive inputs of three 'V.I.A. LED Fixture' units. The 'Blue (-)' and 'Black (-)' terminals are connected to the negative inputs of the same three fixtures. Additionally, there are two other output terminals labeled 'Violet (+)' and 'Gray (-)' which are not connected to any fixtures. A note at the bottom right states: 'Note: Multiple fixtures NTE 120" total combined length per driver'.

3-Way On/Off Toggle Switch

3-Way Compatible Dimming Switch

Black (Line)

White (Neutral)

Building Power

Class 2 LED Driver  
120 V-277 VAC Input

24 VDC  
4.0A Max Output

Red (+)

Red (+)

Blue (-)

Black (-)

V.I.A. LED Fixture  
12" min. - 120" max.

V.I.A. LED Fixture  
12" min. - 120" max.

V.I.A. LED Fixture  
12" min. - 120" max.

Violet (+)

Gray (-)

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



---

# Specifying Structural Frame Components

<b>Post</b>	<b>110</b>
<b>Structural Horizontal and Intermediate Horizontal</b>	<b>111</b>
<b>Ceiling Tracks</b>	<b>112</b>
<b>Ceiling Fastener and T/X Ceiling Track Bracket</b>	<b>114</b>
<b>Base Trims</b>	<b>115</b>
<b>Floor Track and Floor Track Spring</b>	<b>117</b>
<b>Floor Guide</b>	<b>118</b>
<b>Short Post Leveler Bracket</b>	<b>119</b>
<b>Post and Beam Attachment Kit and Intermediate Framing Screw Package</b>	<b>120</b>
<b>Acoustic Seals</b>	<b>121</b>
<b>Structural Beam</b>	<b>122</b>

# Post

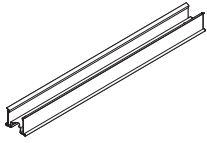


Standard Includes		Required to Specify
► Need help? Product details, page 22	<ul style="list-style-type: none"> <li>• Post</li> <li>• Height: 15"–144"</li> <li>• Seal: plastic</li> </ul>	1 Style number 2 Height 3 Plastic color number for seal 4 Top mount type (see below under Required Selections) 5 Horizontal hole count (see below under Required Selections) ► See <i>Surface Materials</i> , page 210.

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

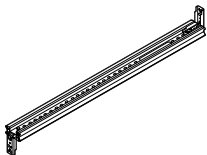
Specification Information	
• <b>Style Number</b>	
• <b>FEPVS</b>	

## Structural Horizontal



Standard Includes		Required to Specify
► Need help? Product details, page 22	<ul style="list-style-type: none"> <li>• Post</li> <li>• Width: 6"–120"</li> <li>• Seal: plastic</li> </ul>	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 210.
Required Selections		Required to Specify
<b>Cut-out Configuration</b>	<ul style="list-style-type: none"> <li>• Cutable</li> <li>• Non-cut</li> </ul>	Specify <i>with cutable</i> . Specify <i>with non-cut</i> .
Specification Information		
<b>Style Number</b> : : :		
<b>FERHS</b> : :		

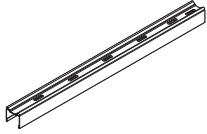
## Intermediate Horizontal



Standard Includes		Required to Specify
► Need help? Product details, page 22	<ul style="list-style-type: none"> <li>• Horizontal</li> <li>• Width: 6"–120"</li> <li>• Seal: plastic</li> </ul>	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 210.
Required Selections		Required to Specify
<b>Vertical Hole Count</b>	<b>Vertical Holes</b> <ul style="list-style-type: none"> <li>• No holes</li> <li>• Hole 1 location</li> <li>• Hole 2 location</li> <li>• Hole 3 location</li> <li>• Hole 4 location</li> <li>• Hole 5 location</li> <li>• Hole 6 location</li> <li>• Hole 7 location</li> <li>• Hole 8 location</li> <li>• Hole 9 location</li> <li>• Hole 10 location</li> <li>• Hole 11 location</li> </ul>	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		
<b>Style Number</b> : : :		
<b>FERHI</b> : :		

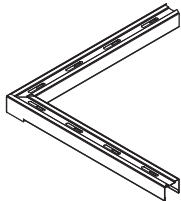
# Ceiling Tracks

## Straight Ceiling Track



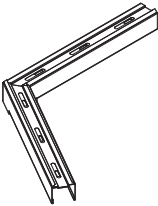
Standard Includes		Required to Specify
<ul style="list-style-type: none"> <li>► Need help? Product details, page 22</li> <li>Ceiling track: paint</li> <li>Seal to match paint color, when applicable:                             <ul style="list-style-type: none"> <li>- 7190 Platinum Solid paint will default 6249 Platinum Solid plastic</li> <li>- 7241 Arctic White paint will default 6009 Arctic White plastic</li> <li>- 7360 Merle paint will receive 6527 Merle plastic</li> <li>- All other paint selections require a plastic to be specified</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Paint color number for ceiling track</li> <li>3 Plastic color number for seal, if required</li> <li>4 Length (See below under Required Selections)</li> <li>► See <i>Surface Materials</i>, page 210.</li> </ul>
Required Selections		Required to Specify
<b>Length</b>	<ul style="list-style-type: none"> <li>• 120"</li> <li>• 144"</li> </ul>	<ul style="list-style-type: none"> <li>Specify 120".</li> <li>Specify 144".</li> </ul>
Specification Information		
<ul style="list-style-type: none"> <li>• <b>Style Number</b></li> <li>•</li> <li>•</li> </ul>		
<b>FACTS</b>		
<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>		

## Corner Fixed Angle Ceiling Track



Standard Includes		Required to Specify
<ul style="list-style-type: none"> <li>► Need help? Product details, page 22</li> <li>Ceiling track: paint</li> <li>Seal to match paint color, when applicable:                             <ul style="list-style-type: none"> <li>- 7190 Platinum Solid paint will default 6249 Platinum Solid plastic</li> <li>- 7241 Arctic White paint will default 6009 Arctic White plastic</li> <li>- 7360 Merle paint will receive 6527 Merle plastic</li> <li>- All other paint selections require a plastic to be specified</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Paint color number for ceiling track</li> <li>3 Plastic color number for seal, if required</li> <li>4 Angle (See below under Required Selections)</li> <li>► See <i>Surface Materials</i>, page 210.</li> </ul>
Required Selections		Required to Specify
<b>Fixed Angles</b>	<ul style="list-style-type: none"> <li>• 90°</li> <li>• 120°</li> <li>• 135°</li> </ul>	<ul style="list-style-type: none"> <li>Specify with 90° angle.</li> <li>Specify with 120° angle.</li> <li>Specify with 135° angle.</li> </ul>
Specification Information		
<ul style="list-style-type: none"> <li>• <b>Style Number</b></li> <li>•</li> <li>•</li> </ul>		
<b>FACTS</b>		
<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>		

# Corner Variable Angle Ceiling Track



Standard Includes		Required to Specify
<p>► Need help? Product details, page 22</p>	<ul style="list-style-type: none"> <li>Ceiling track: paint</li> <li>Seal to match paint color, when applicable:                             <ul style="list-style-type: none"> <li>7190 Platinum Solid paint will default 6249 Platinum Solid plastic</li> <li>7241 Arctic White paint will default 6009 Arctic White plastic</li> <li>7360 Merle paint will receive 6527 Merle plastic</li> <li>All other paint selections require a plastic to be specified</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Paint color number for ceiling track</li> <li>3 Plastic color number for seal, if required</li> <li>4 Angle (See below under Required Selections)</li> </ul> <p>► See <i>Surface Materials</i>, page 210.</p>
Required Selections		Required to Specify
Angle	<ul style="list-style-type: none"> <li>91°–119°</li> <li>121°–134°</li> <li>136°–179°</li> </ul>	<p>Specify angle in 1° increment.</p> <p>Specify angle in 1° increment.</p> <p>Specify angle in 1° increment.</p>
Specification Information		
<p>• <b>Style Number</b></p> <p>• <b>FECTV</b></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 22	• Fastener package	1 Style number 2 Fastener type (see below under Required Selections)
Required Selections		Required to Specify
<b>Fastener Type</b>	<ul style="list-style-type: none"> <li>• 1"W exposed T</li> <li>• 9/16"W exposed T</li> <li>• 1/4"W Donn Finline</li> <li>• 1/8"W Donn Finline</li> <li>• 1"W fluted runner 1/4–20</li> <li>• 1"W tegular</li> <li>• 9/16" tegular</li> </ul>	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		
• <b>Style Number</b>		
:		
:		
<b>FECF</b>		
:		

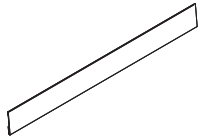
## T/X Ceiling Track Bracket



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

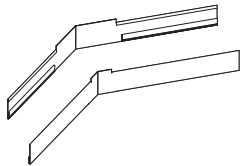
Standard Includes		Required to Specify
► Need help? Product details, page 22	• Bracket	Style number
Specification Information		
• <b>Style Number</b>		
:		
:		
<b>FECTB</b>		
:		

## Straight Base Trim



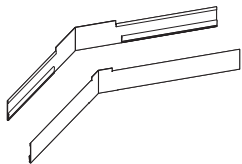
Standard Includes		Required to Specify
► Need help? Product details, page 22	• Base trim: paint	1 Style number 2 Paint color number for trim 3 Length (See below under Required Selections) ► See <i>Surface Materials</i> , page 210.
Required Selections		Required to Specify
<b>Length</b>	• 120" • 144"	Specify 120". Specify 144".
Specification Information		
• <b>Style Number</b>		
• <b>FEBTS</b>		

## 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 210.
Required Selections		Required to Specify
<b>Fixed Angles</b>	• 90° • 120° • 135°	Specify with 90° angle. Specify with 120° angle. Specify with 135° angle.
<b>Corner Type</b>	• Inner • Outer	Specify with inner corner. Specify with outer corner.
Specification Information		
• <b>Style Number</b>		
• <b>FEBTF</b>		

## Corner Variable Angle Base Trim



► Need help?  
Product details,  
page 22

### Standard Includes

- Base trim: paint

### Required to Specify

- 1 Style number
  - 2 Paint color number for trim
  - 3 Angle (see below under Required Selections)
  - 4 Corner type (see below under Required Selections)
- See *Surface Materials*, page 210.

### 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.

#### Corner Type

- Inner
- Outer

Specify *with inner corner*.  
Specify *with outer corner*.

### Specification Information

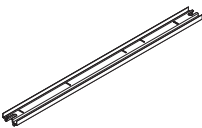
#### • Style Number

FEBTV

# Floor Track and Floor Track Spring

Floor Track and Floor  
Track Spring

## Floor Track



Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>Need help? Product details, page 22</li> <li>Floor track: paint</li> <li>Width: 6"–120"</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Paint color number for floor track</li> <li>3 Width</li> <li>See <i>Surface Materials</i>, page 210.</li> </ul>

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

## Floor Track Spring

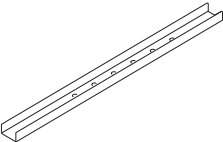


Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>Need help? Product details, page 22</li> <li>Floor track spring</li> </ul>	<ul style="list-style-type: none"> <li>Style number</li> </ul>

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

Structural Frame  
Components

# Floor Guide



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

► Need help? Product details, page 22	1 Style number 2 Gripper type (see below under Required Selections)
---	---

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

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

Specification Information
---------------------------

• <b>Style</b> • <b>Number</b> : : :
<b>FEFG</b> : :



Standard Includes		Required to Specify
► Need help? Product details, page 22	• Bracket	Style number

Specification Information
• <b>Style</b>
• <b>Number</b>
•
•
<b>FEPLBS</b>
•
•

# Post and Beam Attachment Kit and Intermediate Framing Screw Package

## Post and Beam Attachment Kit

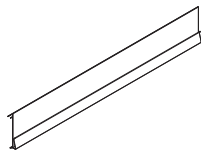
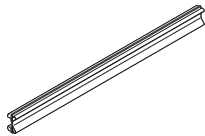


Standard Includes	Required to Specify
<ul style="list-style-type: none"><li>Attachment kit</li></ul>	Style number
Specification Information	
• Style Number	
FEPBK	

## Intermediate Framing Screw Package

Standard Includes	Required to Specify
<div>▶ Need help? Product details, page 22</div> <ul style="list-style-type: none"><li>Screw package</li></ul>	Style number
Specification Information	
• Style Number	
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"> <li>▶ Need help? Product details, page 22</li> <li>• Acoustic seal: plastic</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Plastic color number for seal</li> <li>▶ See <i>Surface Materials</i>, page 210.</li> </ul>

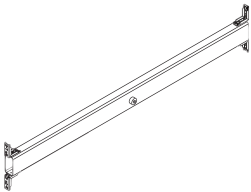
Specification Information		
Description	Style Number	For Use With
:	:	:

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

Intermediate Horizontal Acoustic Seals		
24"W, 48"W, 72"W, 96"W, or 120"W	<b>FERHIS</b>	FERHI
:	:	:

Structural Horizontal Acoustic Seals		
24"W, 48"W, 72"W, 96"W, or 120"W	<b>FERHSS</b>	FERHS
:	:	:

# Structural Beam



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

► Need help? Product details, page 86	<ul style="list-style-type: none"><li>• Beam</li><li>• Width: 12" – 120"</li></ul>	<ul style="list-style-type: none"><li>1 Style number</li><li>2 Width</li></ul>
---	--	--

Specification Information
---------------------------

• <b>Style</b>
• <b>Number</b>
•
•

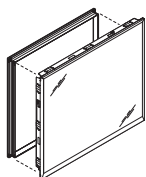
<b>FEBSTR</b>
•
•

---

# Specifying Captured Glass Frames

<b>Single Glazed Captured Glass Frame</b>	<b>124</b>
<b>Double Glazed Captured Glass Frame</b>	<b>125</b>
<b>Single Side Captured Glass Frames—Side A and Side C</b>	<b>126</b>
<b>Single Side Captured Glass Frames—Side B and Side D</b>	<b>127</b>
<b>Acoustic Seal for Captured Glass</b>	<b>128</b>
<b>Brackets and T Nuts</b>	<b>129</b>

# Single Glazed Captured Glass Frame



► Need help?  
Product details,  
page 28

## Standard Includes

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

## Required to Specify

- 1 Style number
  - 2 Height
  - 3 Width
  - 4 Paint or anodized aluminum color number for frame side A
  - 5 Paint or anodized aluminum color number for frame side B
  - 6 Glass color number
  - 7 Glass thickness (see below under Required Selections)
  - 8 Glass surface orientation, if 6542 Satin selected (see below under Required Selections)
  - 9 Top mount type (see below under Required Selections)
  - 10 Bottom mount type (see below under Required Selections)
- See *Surface Materials*, page 210.

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

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

## Required Selections

### Glass Thickness (if glass selected)

- 1/4" thick glass
- 3/8" thick glass

## Required to Specify

Specify with 1/4" thick glass.  
Specify with 3/8" thick glass.

### Glass Surface Orientation (if 6542 Satin selected)

- Polished to flush
- Polished to sill

Specify with polished to flush.  
Specify with polished to sill.

### Top Mount Type

- Ceiling
- Intermediate

Specify with ceiling mount.  
Specify with intermediate mount.

### Bottom Mount Type

- Floor
- Intermediate

Specify with floor mount.  
Specify with intermediate mount.

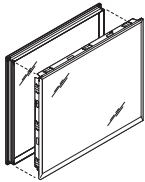
## Specification Information

### • Style Number

FEFRCGS

# Double Glazed Captured Glass Frame

Double Glazed Captured  
Glass Frame



Standard Includes		Required to Specify
► Need help? Product details, page 28	<ul style="list-style-type: none"> <li>Frame: paint or 8043 Clear Anodized Aluminum</li> <li>Height: 12"–141.71654"</li> <li>Width: 12"–120"</li> <li>Glass: 1/4" thick</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Height</li> <li>Width</li> <li>Paint or anodized aluminum color number for frame side A</li> <li>Paint or anodized aluminum color number for frame side C</li> <li>Glass color number for side A</li> <li>Glass color number for side C</li> <li>Glass thickness for side A (see below under Required Selections)</li> <li>Glass thickness for side C (see below under Required Selections)</li> <li>Glass surface orientation for side A, if 6542 Satin selected (see below under Required Selections)</li> <li>Glass surface orientation for side C, if 6542 Satin selected (see below under Required Selections)</li> <li>Top mount type (see below under Required Selections)</li> <li>Bottom mount type (see below under Required Selections)</li> </ol>
		► See <i>Surface Materials</i> , page 210.

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

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

Required Selections		Required to Specify
<b>Glass Thickness for Side A (if glass selected)</b>	<ul style="list-style-type: none"> <li>1/4" thick glass</li> <li>3/8" thick glass</li> </ul>	Specify with glass A 1/4" thick glass. Specify with glass A 3/8" thick glass.
<b>Glass Thickness for Side C (if glass selected)</b>	<ul style="list-style-type: none"> <li>1/4" thick glass</li> <li>3/8" thick glass</li> </ul>	Specify with glass C 1/4" thick glass. Specify with glass C 3/8" thick glass.
<b>Glass Surface Orientation for Side A (if 6542 Satin selected)</b>	<ul style="list-style-type: none"> <li>Polished to flush</li> <li>Polished to sill</li> </ul>	Specify with glass A polished to flush. Specify with glass A polished to sill.
<b>Glass Surface Orientation for Side C (if 6542 Satin selected)</b>	<ul style="list-style-type: none"> <li>Polished to flush</li> <li>Polished to sill</li> </ul>	Specify with glass C polished to flush. Specify with glass C polished to sill.
<b>Top Mount Type</b>	<ul style="list-style-type: none"> <li>Ceiling</li> <li>Intermediate</li> </ul>	Specify with ceiling mount. Specify with intermediate mount.
<b>Bottom Mount Type</b>	<ul style="list-style-type: none"> <li>Floor</li> <li>Intermediate</li> </ul>	Specify with floor mount. Specify with intermediate mount.

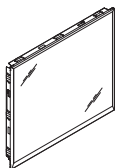
## Specification Information

• Style  
• Number

FEFRCGD

Captured Glass  
Frames

# Single Side Captured Glass Frames—Side A and Side C



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

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

Standard Includes		Required to Specify
► Need help? Product details, page 28	<ul style="list-style-type: none"> <li>Frame: paint or 8043 Clear Anodized Aluminum</li> <li>Height: 12"–141.71654"</li> <li>Width: 12"–120"</li> <li>Glass: 1/4" thick</li> </ul>	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum color number for frame 5 Glass color number 6 Glass thickness (see below under Required Selections) 7 Glass surface orientation, if 6542 Satin selected (see below under Required Selections) 8 Top mount type (see below under Required Selections) 9 Bottom mount type (see below under Required Selections) ► See <i>Surface Materials</i> , page 210.

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

## Specification Information

• Style  
• Number  
:

### Side A Single Captured Glass Frame

FEFRCGA

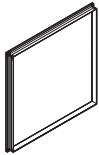
### Side C Single Captured Glass Frame

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
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 28</li> <li>• Frame: paint or 8043 Clear Anodized Aluminum</li> <li>• Height: 12"–141.71654"</li> <li>• Width: 12"–120"</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Height</li> <li>3 Width</li> <li>4 Paint or anodized aluminum color number for frame</li> <li>5 Top mount type (see below under Required Selections)</li> <li>6 Bottom mount type (see below under Required Selections)</li> </ol> <p>▶ See <i>Surface Materials</i>, page 210.</p>

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

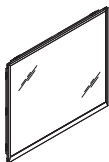
### Specification Information

• Style  
Number

FEFRCGB

## Single Side Captured Glass Frame—Side D

(Back-Painted Glass)



Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 28</li> <li>• Frame: paint or 8043 Clear Anodized Aluminum</li> <li>• Back-painted glass</li> <li>• Height: 12"–120"</li> <li>• Width: 12"–120"</li> <li>• Glass: 1/4" thick</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Height</li> <li>3 Width</li> <li>4 Paint or anodized aluminum color number for frame</li> <li>5 Back-painted glass color number</li> <li>6 Top mount type (see below under Required Selections)</li> <li>7 Bottom mount type (see below under Required Selections)</li> </ol> <p>▶ See <i>Surface Materials</i>, page 210.</p>

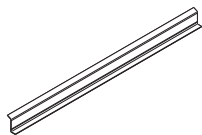
Required Selections	Required to Specify
<b>Top Mount Type</b> <ul style="list-style-type: none"> <li>• Ceiling</li> <li>• Intermediate</li> </ul>	Specify with <i>ceiling mount</i> . Specify with <i>intermediate mount</i> .
<b>Bottom Mount Type</b> <ul style="list-style-type: none"> <li>• Floor</li> 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

### Specification Information

• Style  
Number

FEFRCGDBP

# Acoustic Seal for Captured Glass



*Tip: Seals are ordered to the next largest size depending on frame width, and cut to exact length during installation.*

Standard Includes		Required to Specify
► Need help? Product details, page 28	• Seal	1 Style number
		2 Seal length (see below under Required Selections)

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

## Specification Information

• **Style**  
• **Number**

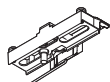
**FEFRCGSA**

# Brackets and T Nuts

For Use with Captured Glass Frames

Brackets and T Nuts

## Locking Bracket



### Standard Includes

- Locking bracket

### Required to Specify

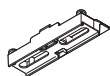
Style number

### 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"><li>T Nuts: package of 25</li></ul>	Style number

Specification Information

• Style  
Number

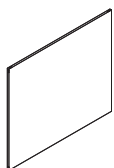
FEFHCGT

---

# Specifying Skins

<b>Solid Steel Skin</b>	<b>132</b>
<b>Solid Veneer Skin</b>	<b>134</b>
<b>Solid Veneer Skin Set</b>	<b>136</b>
<b>Solid Laminate Skin</b>	<b>138</b>
<b>Ceramic Skin</b>	<b>140</b>
<b>Slatwall Skin and Hardware</b>	<b>141</b>
<b>Acoustic Products</b>	<b>144</b>

# Solid Steel Skin



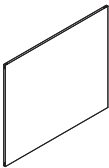
Standard Includes		Required to Specify
► Need help? Product details, page 32	• Height: 6"–141.71654"	1 Style number
	• Width: 6"–120"	2 Height
	• Skin: paint or fabric	3 Width
		4 Paint or fabric color number for skin
		5 Top mount type (see below under Required Selections)
		6 Bottom mount type (see below under Required Selections)
		7 Cable management cut-out and cut-out type (see below under Required Selections)
		► See <i>Surface Materials</i> , page 210.

Required Selections		Required to Specify
<b>Surface Materials</b>	<b>Skin surface</b>	
	• Paint	Specify paint color number.
	• Fabric	Specify fabric color number.
	<b>Fabric direction for fabric skins</b>	
	• Horizontal application	Specify <i>with horizontal application</i> .
	• Vertical application	Specify <i>with vertical application</i> .
<b>Top Mount Type</b>	• Ceiling	Specify <i>with ceiling top mount</i> .
	• Intermediate	Specify <i>with intermediate top mount</i> .
<b>Bottom Mount Type</b>	• Floor	Specify <i>with floor bottom mount</i> .
	• Intermediate	Specify <i>with intermediate bottom mount</i> .
<b>Cable Management</b>	<b>Cut-out count</b>	
	• 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> .
	<b>Cut-out position, if cut-out(s) selected</b>	
	• No holes	Specify <i>with no holes</i> .
	• 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.
	<b>Cut-out type, if cut-out(s) selected</b>	
	• 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> .

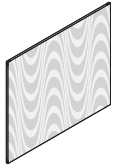
Specification Information

• Style  
• Number

FESSS



# Solid Veneer Skin



Standard Includes		Required to Specify
► Need help? Product details, page 32	<ul style="list-style-type: none"> <li>Height: 6"–120"</li> <li>Width: 6"–120"</li> <li>Skin: wood veneer</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Height</li> <li>Width</li> <li>Wood veneer color number for skin</li> <li>Wood grain direction for skins (see below under Required Selections)</li> <li>Top mount type (see below under Required Selections)</li> <li>Bottom mount type (see below under Required Selections)</li> <li>Cable management cut-out type and location, if selected (see below under Required Selections)</li> </ol> <p>► See <i>Surface Materials</i>, page 210.</p>

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

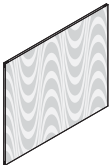
► Required Selections, continued on next page

► Required Selections, continued from previous page

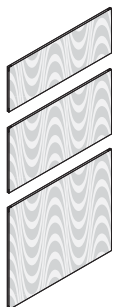
	Required Selections	Required to Specify
<b>Cable Management, continued</b>	<b>Cut-out type, if cut-out(s) selected</b>	
	• Hardwire single	Specify with <i>hardwire single cut-out type for each applicable location.</i>
	• Hardwire double	Specify with <i>hardwire double cut-out type for each applicable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

Specification Information

• **Style Number**  
:  
:  
:  
**FESSV**  
:  
:



# Solid Veneer Skin Set



	Standard Includes	Required to Specify
► Need help? Product details, page 32	<ul style="list-style-type: none"> <li>Two to five skins per skin set</li> <li>Height of each skin: 12"–118"</li> <li>Width of each skin: 12"–118"</li> <li>Skin: wood veneer</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Overall skin set height</li> <li>Overall skin set width</li> <li>Wood veneer color for skin set</li> <li>Wood grain direction for skin sets (see below under Required Selections)</li> <li>Skin count</li> <li>Skin height for each skin in set</li> <li>Skin width for each skin in set</li> <li>Top mount type for each skin (see below under Required Selections)</li> <li>Bottom mount type for each skin (see below under Required Selections)</li> <li>Cut-out count (see below under Required Selections)</li> <li>Cut-out placement for each skin, if selected (see below under Required Selections)</li> <li>Cut-out type for each cut-out, if selected (see below under Required Selections)</li> </ol> <p>► See <i>Surface Materials</i>, page 210.</p>

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

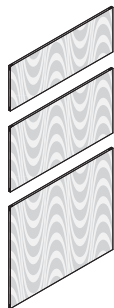
► Required Selections, continued from previous page

	Required Selections	Required to Specify
Cable Management, continued	<b>Cut-out type for each skin, if selected</b>	
	• 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.

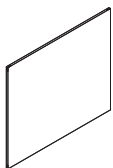
Specification Information

• 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 32	<ul style="list-style-type: none"> <li>Height: 6"–120"</li> <li>Width: 6"–120"</li> <li>Skin: Low-Pressure Laminate (LPL) or High-Pressure Laminate (HPL) price group 1</li> </ul>	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 210.

Required Selections		Required to Specify
<b>Surface Materials</b>	<b>Skin surface</b> <ul style="list-style-type: none"> <li>Laminate price group 1 (Low-Pressure Laminate or High-Pressure Laminate)</li> <li>Laminate price group 2 (High-Pressure Laminate)</li> <li>Open Line laminate</li> </ul> <b>Wood grain direction for wood grain laminates</b> <ul style="list-style-type: none"> <li>Horizontal application</li> <li>Vertical application</li> </ul>	Specify laminate color number.  Specify laminate color number. ► See <i>Surface Materials Reference Manual</i> .
<b>Top Mount Type</b>	<ul style="list-style-type: none"> <li>Ceiling</li> <li>Intermediate</li> </ul>	Specify <i>with ceiling top mount</i> . Specify <i>with intermediate top mount</i> .
<b>Bottom Mount Type</b>	<ul style="list-style-type: none"> <li>Floor</li> <li>Intermediate</li> </ul>	Specify <i>with floor bottom mount</i> . Specify <i>with intermediate bottom mount</i> .
<b>Cable Management</b>	<b>Cut-out count</b> <ul style="list-style-type: none"> <li>No holes</li> <li>One hole</li> <li>Two holes</li> <li>Three holes</li> <li>Four holes</li> <li>Five holes</li> <li>Six holes</li> <li>Seven holes</li> <li>Eight holes</li> <li>Nine holes</li> </ul> <b>Cut-out position, if cut-out(s) selected</b> <ul style="list-style-type: none"> <li>Cut-out 1 location</li> <li>Cut-out 2 location</li> <li>Cut-out 3 location</li> <li>Cut-out 4 location</li> <li>Cut-out 5 location</li> <li>Cut-out 6 location</li> <li>Cut-out 7 location</li> <li>Cut-out 8 location</li> <li>Cut-out 9 location</li> </ul>	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> .  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, continued from previous page

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

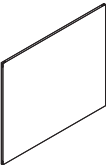
Specification Information

• Style  
• Number

FESSL

# Ceramic Skin

## Ceramic Skin

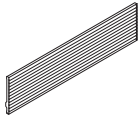


Standard Includes		Required to Specify
▶ Need help? Product details, page 32	• Height: 24"–120"	1 Style number
	• Width: 24"–120"	2 Height
	• Skin with ceramic markerboard surface	3 Width
	• Trim: 4145 Milk Gloss paint only	4 Top mount type (see below under Required Selections)
		5 Bottom mount type (see below under Required Selections)

Required Selections		Required to Specify
<b>Top Mount Type</b>	• Ceiling	Specify <i>with ceiling top mount</i> .
	• Intermediate	Specify <i>with intermediate top mount</i> .
<b>Bottom Mount Type</b>	• Floor	Specify <i>with floor bottom mount</i> .
	• Intermediate	Specify <i>with intermediate bottom mount</i> .

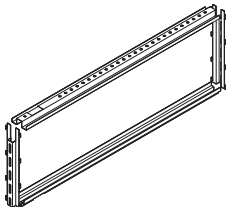
Specification Information	
• <b>Style Number</b>	
• <b>FESC</b>	

## Slatwall Skin



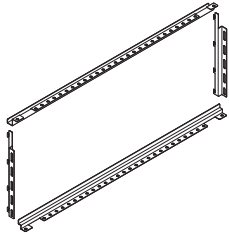
Standard Includes		Required to Specify
► Need help? Product details, page 35	<ul style="list-style-type: none"> <li>Width: 24"–60"</li> <li>Slatwall skin: paint</li> <li>Top mount: intermediate only</li> <li>Bottom mount: intermediate only</li> </ul>	1 Style number 2 Height (see below under Required Selections) 3 Width 4 Paint color number for skin ► See <i>Surface Materials</i> , page 210.
Required Selections		Required to Specify
<b>Height</b>	<ul style="list-style-type: none"> <li>6"</li> <li>12"</li> <li>18"</li> <li>24"</li> </ul>	Specify 6"H. Specify 12"H. Specify 18"H. Specify 24"H.
Specification Information		
<b>Style Number</b> : : :		
<b>FESW</b> : :		

## Double Slatwall Skin Hardware



Standard Includes		Required to Specify
► Need help? Product details, page 35	<ul style="list-style-type: none"> <li>Hardware package for mounting back-to-back slatwall skins to internal framing components</li> <li>Width: 24"–60"</li> </ul>	1 Style number 2 Height (see below under Required Selections) 3 Width
Required Selections		Required to Specify
<b>Height</b>	<ul style="list-style-type: none"> <li>6"</li> <li>12"</li> <li>18"</li> <li>24"</li> </ul>	Specify 6"H. Specify 12"H. Specify 18"H. Specify 24"H.
Specification Information		
<b>Style Number</b> : : :		
<b>FESHSD</b> : :		

## Single Slatwall Skin Hardware



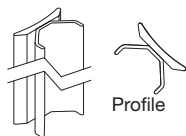
Standard Includes		Required to Specify
► Need help? Product details, page 35	<ul style="list-style-type: none"> <li>• Hardware package for mounting slatwall skin to internal framing components</li> <li>• Width: 24"–60"</li> </ul>	1 Style number 2 Height (see below under Required Selections) 3 Width
Required Selections		Required to Specify
<b>Height</b>	<ul style="list-style-type: none"> <li>• 6"</li> <li>• 12"</li> <li>• 18"</li> <li>• 24"</li> </ul>	Specify 6"H. Specify 12"H. Specify 18"H. Specify 24"H.
Specification Information		
• <b>Style Number</b>		
FESHSS		

## Flush Skin Seal



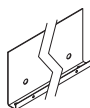
Standard Includes		Required to Specify
► Need help? Product details, page 32	<ul style="list-style-type: none"> <li>• Flush skin seal: clear plastic</li> <li>• Length: 120"</li> </ul>	Style number
Specification Information		
• <b>Style Number</b>		
FESSF		

## 90° Inside Corner Flush Skin Seal



Standard Includes	Required to Specify
<p>► Need help? Product details, page 34</p> <ul style="list-style-type: none"> <li>• Flush skin seal: clear plastic</li> <li>• Length: 120"</li> </ul>	Style number
Specification Information	
<p>• <b>Style Number</b></p> <p>.....</p> <p><b>FESSFIC90</b></p> <p>.....</p>	

## Cove Base Trim - Straight



Standard Includes	Required to Specify
<p>► Need help? Product details, page 34</p> <ul style="list-style-type: none"> <li>• Cove base trim</li> <li>• Length: 75"</li> </ul>	Style number
Specification Information	
<p>• <b>Style Number</b></p> <p>.....</p> <p><b>FEBTSC</b></p> <p>.....</p>	

## Junction Cover Retention Clip

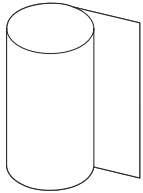


Standard Includes	Required to Specify
<p>► Need help? Product details, page 35</p> <ul style="list-style-type: none"> <li>• Single clip: steel</li> </ul>	Style number
Specification Information	
<p>• <b>Style Number</b></p> <p>.....</p> <p><b>FEIJRC</b></p> <p>.....</p>	

*Tip: Three clips required for 90° outside corners 120" tall or less. Four clips required for corners over 120".*

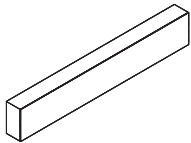
*Tip: For use on 90° outside corners only when using flush skin seals and 90° inside corner flush skin seals.*

## Acoustic Insulation



Standard Includes	Required to Specify
<p>► Need help? Product details, page 35</p> <ul style="list-style-type: none"> <li>One roll – 48" wide x 87 feet long x 2 layers (696 square feet)</li> </ul>	Style number
Specification Information	
<p>• <b>Style Number</b></p> <p>.....</p> <p><b>FESIA</b></p> <p>.....</p>	

## Acoustic Skin Seal



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

Standard Includes	Required to Specify
<p>► Need help? Product details, page 32</p> <ul style="list-style-type: none"> <li>120"W seal</li> </ul>	Style number
Specification Information	
<p>• <b>Style Number</b></p> <p>.....</p> <p><b>FESSA2</b></p> <p>.....</p>	

---

# Specifying Reversible Swing Doors

<b>Single Reversible Swing Door Frame</b>	<b>146</b>
<b>Single Reversible Solid Swing Door Leaf</b>	<b>147</b>
<b>Single Reversible Polished Edge Swing Door Leaf</b>	<b>148</b>
<b>Pair of Reversible Swing Door Frames</b>	<b>149</b>
<b>Pair of Reversible Solid Swing Door Leaves</b>	<b>150</b>
<b>Pair of Reversible Polished Edge Swing Door Leaves</b>	<b>151</b>
<b>Door Hardware</b>	<b>152</b>

# Single Reversible Swing Door Frame



Standard Includes		Required to Specify	
► Need help? Product details, page 38	• Door frame: paint or 8043 Clear Anodized Aluminum	1	Style number
	• Height: 82.44100"–123.71627"	2	Height
	• Width: 28"–44.445"	3	Width
	• Hinges: 8031 Satin Stainless or 9201 Polished Chrome	4	Paint or anodized aluminum or paint color number for frame
	• Strike plate	5	Satin stainless or polished chrome for hinges
		6	Top mount type (see below under Required Selections)
		7	Handedness (see below under Required Selections)
		8	Door type (see below under Required Selections)
		9	Roller latch (see below under Required Selections)
		10	Door hardware (see below under Required Selections)
		11	Strike plate (see below under Required Selections)
		12	Electrification (see below under Required Selections)
		► See <i>Surface Materials</i> , page 210.	

Required Selections		Required to Specify
<b>Top Mount Type</b>	• Ceiling • Intermediate	Specify with <i>ceiling mount</i> . Specify with <i>intermediate mount</i> .
<b>Handedness</b>	• Right hand • Left hand	Specify with <i>right hand</i> . Specify with <i>left hand</i> .
<b>Door Type</b>	• Solid • Polished edge	Specify with <i>solid</i> . Specify with <i>polished edge</i> .
<b>Latch Prep</b>	• 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> .
<b>Roller Latch (only if push/pull handles)</b>	• No roller latch • Top roller latch	Specify with <i>no roller latch</i> . Specify with <i>roller latch</i> .
<b>Door Hardware (only if cylindrical or mortise)</b>	• Satin chrome • Polished chrome	Specify with <i>satin chrome</i> . Specify with <i>polished chrome</i> .
<b>Strike Plate (if latch prep is mortise)</b>	• 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> .
<b>Electrification</b>	• No electric hinge • For use with electric hinge	Specify with <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 38	<ul style="list-style-type: none"> <li>Door leaf: paint or veneer</li> <li>Height: 82.44100"—123.71627"</li> <li>Width: 28"—44.445"</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Height</li> <li>Width</li> <li>Paint or veneer color number for door leaf</li> <li>Acoustic seal (see below under Required Selections)</li> <li>Top mount type (see below under Required Selections)</li> <li>Latch prep (see below under Required Selections)</li> <li>Roller latch (see below under Required Selections)</li> <li>Door closer (see below under Required Selections)</li> <li>Door hardware (see below under Required Selections)</li> <li>Electrification (see below under Required Selections)</li> </ol> <p>► See <i>Surface Materials</i>, page 210.</p>

	Required Selections	Required to Specify
<b>Acoustic Seal</b>	<ul style="list-style-type: none"> <li>No seal</li> <li>Drop seal</li> </ul>	<p>Specify <i>with no seal</i>.</p> <p>Specify <i>with drop seal</i>.</p>
<b>Top Mount Type</b>	<ul style="list-style-type: none"> <li>Ceiling</li> <li>Intermediate</li> </ul>	<p>Specify <i>with ceiling mount</i>.</p> <p>Specify <i>with intermediate mount</i>.</p>
<b>Latch Prep</b>	<ul style="list-style-type: none"> <li>Cylindrical</li> <li>Ladder aligned</li> <li>Ladder offset</li> <li>Mortise</li> <li>Push/pull handles</li> </ul>	<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>
<b>Roller Latch (only if push/pull handles)</b>	<ul style="list-style-type: none"> <li>No roller latch (surface mounted door closer)</li> <li>Top roller latch (no door closer)</li> </ul>	<p>Specify <i>with no roller latch</i>.</p> <p>Specify <i>with roller latch</i>.</p>
<b>Door Closer (only if mortise or cylindrical)</b>	<ul style="list-style-type: none"> <li>No door closer</li> <li>Surface mounted door closer</li> </ul>	<p>Specify <i>with no door closer</i>.</p> <p>Specify <i>with surface mounted door closer</i>.</p>
<b>Door Hardware (only if cylindrical or mortise)</b>	<ul style="list-style-type: none"> <li>Satin chrome</li> <li>Polished chrome</li> </ul>	<p>Specify <i>with satin chrome</i>.</p> <p>Specify <i>with polished chrome</i>.</p>
<b>Electrification</b>	<ul style="list-style-type: none"> <li>No electric hinge</li> <li>For use with electric hinge</li> </ul>	<p>Specify <i>with 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 38	<ul style="list-style-type: none"> <li>Door leaf: polished edge glass</li> <li>Height: 82.44100"–123.71627"</li> <li>Width: 28"–44.445"</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Height</li> <li>Width</li> <li>Glass number for door leaf</li> <li>Glass orientation (see below under Required Selections)</li> <li>Top mount type (see below under Required Selections)</li> <li>Handedness (see below under Required Selections)</li> <li>Latch prep (see below under Required Selections)</li> <li>Frame prep (see below under Required Selections)</li> <li>Door closer (see below under Required Selections)</li> <li>Door hardware (see below under Required Selections)</li> </ol> <p>► See <i>Surface Materials</i>, page 210.</p>

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

	Required Selections	Required to Specify
<b>Glass Orientation</b>	<ul style="list-style-type: none"> <li>Polished to inside</li> <li>Polished to outside</li> </ul>	<p>Specify <i>with polished to inside</i>.</p> <p>Specify <i>with polished to outside</i>.</p>
<b>Top Mount Type</b>	<ul style="list-style-type: none"> <li>Ceiling</li> <li>Intermediate</li> </ul>	<p>Specify <i>with ceiling mount</i>.</p> <p>Specify <i>with intermediate mount</i>.</p>
<b>Handedness</b>	<ul style="list-style-type: none"> <li>Right hand</li> <li>Left hand</li> </ul>	<p>Specify <i>with right hand</i>.</p> <p>Specify <i>with left hand</i>.</p>
<b>Latch Prep</b>	<ul style="list-style-type: none"> <li>Cylindrical</li> <li>Ladder aligned</li> <li>Ladder offset</li> <li>Mortise</li> <li>Push/pull handles</li> </ul>	<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>
<b>Frame Prep (only if push/pull handles)</b>	<ul style="list-style-type: none"> <li>No roller latch (surface mounted door closer)</li> <li>Top roller latch (no door closer)</li> </ul>	<p>Specify <i>with no roller latch</i>.</p> <p>Specify <i>with roller latch</i>.</p>
<b>Door Closer (only if mortise or cylindrical)</b>	<ul style="list-style-type: none"> <li>No door closer</li> <li>Surface mounted door closer</li> </ul>	<p>Specify <i>with no door closer</i>.</p> <p>Specify <i>with surface mounted door closer</i>.</p>
<b>Door Hardware (only if mortise or cylindrical)</b>	<ul style="list-style-type: none"> <li>Satin chrome</li> <li>Polished chrome</li> </ul>	<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 38

## 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 210.

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

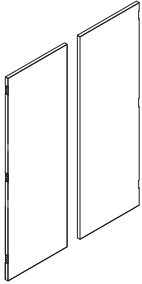
## Specification Information

• **Style**  
• **Number**

**FEDFSWPR**

Reversible Swing  
Doors

# Pair of Reversible Solid Swing Door Leaves



Standard Includes		Required to Specify
► Need help? Product details, page 38	• Door leaf: paint or veneer	1 Style number
	• Height: 82.44100"–123.71627"	2 Height
	• Width: 48"–80"	3 Width
		4 Active door width
		5 Paint or veneer color number for door leaves
		6 Acoustic seal (see below under Required Selections)
		7 Top mount type (see below under Required Selections)
		8 Handedness (see below under Required Selections)
		9 Latch prep (see below under Required Selections)
		10 Roller latch (see below under Required Selections)
		11 Door closer (see below under Required Selections)
		12 Electrification (see below under Required Selections)
		► See <i>Surface Materials</i> , page 210.

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

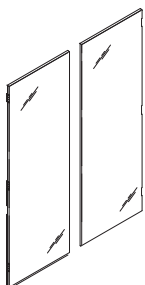
## Specification Information

• **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 38	<ul style="list-style-type: none"> <li>Door leaf: polished edge glass</li> <li>Height: 82.44100"–123.71627"</li> <li>Width: 48"–80"</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Height</li> <li>Width</li> <li>Active door width</li> <li>Glass number for door leaf</li> <li>Glass orientation (see below under Required Selections)</li> <li>Top mount type (see below under Required Selections)</li> <li>Handedness (see below under Required Selections)</li> <li>Latch prep (see below under Required Selections)</li> <li>Roller latch (see below under Required Selections)</li> <li>Door closer (see below under Required Selections)</li> </ol> <p>► See <i>Surface Materials</i>, page 210.</p>

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

## Specification Information

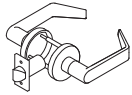
• **Style Number**

**FEDLSWPPR**

Reversible Swing  
Doors

# Door Hardware

## Cylindrical Latch Set



Standard Includes	Required to Specify
<p>► Need help? Product details, page 39</p> <ul style="list-style-type: none"> <li>Cylindrical latch set</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Hardware finish (see below under Required Selections)</li> <li>Latch prep (see below under Required Selections)</li> <li>Keying (see below under Required Selections)</li> </ol>

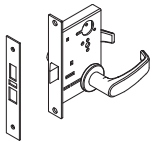
	Required Selections	Required to Specify
<b>Hardware Finish</b>	<ul style="list-style-type: none"> <li>Satin chrome</li> <li>Polished chrome</li> </ul>	Specify <i>with satin chrome</i> . Specify <i>with polished chrome</i> .
<b>Latch Prep</b>	<ul style="list-style-type: none"> <li>Passage</li> <li>Lockset</li> </ul>	Specify <i>with passage</i> . Specify <i>with lockset</i> .
<b>Keying</b>	<ul style="list-style-type: none"> <li>Core, keyed random</li> <li>No core</li> <li>No key</li> </ul>	Specify <i>with core</i> . Specify <i>with 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 39</p> <ul style="list-style-type: none"> <li>Mortise latch set</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Hardware finish (see below under Required Selections)</li> <li>Latch prep (see below under Required Selections)</li> <li>Keying (see below under Required Selections)</li> </ol>

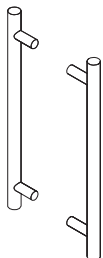
	Required Selections	Required to Specify
<b>Hardware Finish</b>	<ul style="list-style-type: none"> <li>Satin chrome</li> <li>Polished chrome</li> </ul>	Specify <i>with satin chrome</i> . Specify <i>with polished chrome</i> .
<b>Latch Prep</b>	<ul style="list-style-type: none"> <li>Passage</li> <li>Lockset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

### Specification Information

• **Style Number**

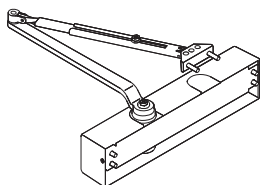
**FEDMLO**

## Push/Pull Handle



Standard Includes		Required to Specify
► Need help? Product details, page 39	• Push/pull handle: 8031 Satin Stainless	Style number
Specification Information		
• <b>Style Number</b>		
FEDPPH		

## Door Closer



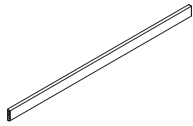
Standard Includes		Required to Specify
► Need help? Product details, page 40	• Surface mounted door closer: 4799 Platinum	1 Style number 2 Door type (see below under Required Selections)
Required Selections		Required to Specify
<b>Door Type</b>	• Solid • Polished edge	Specify <i>with solid</i> . Specify <i>with polished edge</i> .
Specification Information		
• <b>Style Number</b>		
FEDCLS		

## Roller Latch



Standard Includes		Required to Specify
► Need help? Product details, page 40	• Roller latch: 8031 Satin Stainless	Style number
Specification Information		
• <b>Style Number</b>		
FEDRL		

## Door Drop Seal



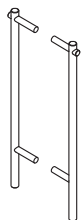
Standard Includes		Required to Specify
<p>► Need help? Product details, page 40</p>	<ul style="list-style-type: none"> <li>Drop seal for reversible swing door</li> <li>Width: 28"–44.445"</li> </ul>	<p>1 Style number</p> <p>2 Width</p> <p>3 Door Type (See below under Required Selections)</p> <p>► See <i>Surface Materials</i>, page 210.</p>
Required Selections		Required to Specify
<p><b>Door Type</b></p> <ul style="list-style-type: none"> <li>Solid</li> <li>Polished edge</li> </ul>		<p>Specify <i>with solid</i>.</p> <p>Specify <i>with polished edge</i>.</p>
Specification Information		
<p>• <b>Style Number</b></p> <p>.....</p>		
<p><b>FEDDS</b></p> <p>.....</p>		

## Electric Hinge



Standard Includes		Required to Specify
<p>► Need help? Product details, page 40</p>	<ul style="list-style-type: none"> <li>One electric hinge with wire conductors</li> </ul>	<p>1 Style number</p> <p>2 Hardware finish (see below under Required Selections)</p>
Required Selections		Required to Specify
<p><b>Hardware Finish</b></p> <ul style="list-style-type: none"> <li>Satin chrome</li> <li>Polished chrome</li> </ul>		<p>Specify <i>with satin chrome</i>.</p> <p>Specify <i>with polished chrome</i>.</p>
Specification Information		
<p>• <b>Style Number</b></p> <p>.....</p>		
<p><b>FEDHE</b></p> <p>.....</p>		

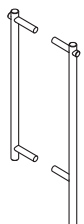
## Ladder Pull, Aligned



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

Standard Includes		Required to Specify
► Need help? Product details, page 40	<ul style="list-style-type: none"> <li>Ladder pull, aligned: 8031 Satin Stainless</li> </ul>	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 210.
Required Selections		Required to Specify
<b>Latch Prep</b>	<ul style="list-style-type: none"> <li>Passage</li> <li>Lockset</li> </ul>	Specify <i>with passage</i> . Specify <i>with lockset</i> .
<b>Door Type</b>	<ul style="list-style-type: none"> <li>Solid</li> <li>Polished edge</li> </ul>	Specify <i>with solid</i> . Specify <i>with polished edge</i> .
Specification Information		
• <b>Style Number</b> : : :		
<b>FEDLPA</b> : :		

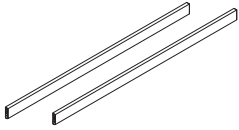
## Ladder Pull, Offset



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

Standard Includes		Required to Specify
► Need help? Product details, page 40	<ul style="list-style-type: none"> <li>Ladder pull, offset: 8031 Satin Stainless</li> </ul>	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 210.
Required Selections		Required to Specify
<b>Latch Prep</b>	<ul style="list-style-type: none"> <li>Passage</li> <li>Lockset</li> </ul>	Specify <i>with passage</i> . Specify <i>with lockset</i> .
<b>Door Type</b>	<ul style="list-style-type: none"> <li>Solid</li> <li>Polished edge</li> </ul>	Specify <i>with solid</i> . Specify <i>with polished edge</i> .
Specification Information		
• <b>Style Number</b> : : :		
<b>FEDLPO</b> : :		

## Door Drop Seals



Standard Includes		Required to Specify
► Need help? Product details, page 40	<ul style="list-style-type: none"> <li>Pair of door drop seals: 8031 Satin Stainless</li> </ul>	1 Style number 2 Door type (See below under Required Selections) ► See <i>Surface Materials</i> , page 210.
Required Selections		Required to Specify
<b>Door Type</b>	<ul style="list-style-type: none"> <li>Solid</li> <li>Polished edge</li> </ul>	Specify <i>with solid</i> . Specify <i>with polished edge</i> .
Specification Information		
• <b>Style Number</b> : : :		
<b>FEDDSP</b> : :		

## Flush Bolts



Standard Includes		Required to Specify
► Need help? Product details, page 41	<ul style="list-style-type: none"> <li>Pair of flush bolts: metal</li> </ul>	1 Style number 2 Hardware finish (See below under Required Selections) ► See <i>Surface Materials</i> , page 210.
Required Selections		Required to Specify
<b>Hardware Finish</b>	<ul style="list-style-type: none"> <li>Satin chrome</li> <li>Polished chrome</li> </ul>	Specify <i>with satin chrome</i> . Specify <i>with polished chrome</i> .
Specification Information		
• <b>Style Number</b> : : :		
<b>FEDFBP</b> : :		

---

# Specifying Slider Doors

<b>Single Surface Mounted Slider Door Frame</b>	<b>158</b>
<b>Single Surface Mounted Polished Edge Slider Door Leaf</b>	<b>159</b>
<b>Basic Single Surface Mounted Slider Door Track</b>	<b>160</b>
<b>Reinforced Single Surface Mounted Slider Door Track</b>	<b>161</b>
<b>Frame for Pair of Surface Mounted Slider Doors</b>	<b>162</b>
<b>Pair of Surface Mounted Polished Edge Slider Door Leaves</b>	<b>163</b>
<b>Reinforced Track for Pair of Surface Mounted Slider Doors</b>	<b>164</b>
<b>Slider Door Track Bracket</b>	<b>165</b>

# Single Surface Mounted Slider Door Frame



	Standard Includes	Required to Specify
► Need help? Product details, page 44	<ul style="list-style-type: none"> <li>Door frame: paint or 8043 Clear Anodized Aluminum</li> <li>Height: 80.984"–120"</li> <li>Width: 38"–48"</li> <li>Door type: polished edge</li> <li>Tubular door pull</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Height</li> <li>Width</li> <li>Paint or anodized aluminum color number for frame</li> <li>Top mount type (see below under Required Selections)</li> <li>Handedness (see below under Required Selections)</li> <li>Lock (see below under Required Selections)</li> <li>Pull (see below under Required Selections)</li> <li>Keying (see below under Required Selections)</li> <li>Lever (see below under Required Selections)</li> <li>Cylinder orientation (see below under Required Selections)</li> </ol> <p>► See <i>Surface Materials</i>, page 210.</p>

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

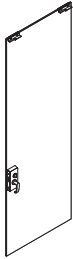
## Specification Information

• **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 44	<ul style="list-style-type: none"> <li>Door leaf: 1/2" thick polished edge glass</li> <li>Bottom trim: paint or 8043 Clear Anodized Aluminum</li> <li>Height: 80.984"–120"</li> <li>Width: 38"–48"</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Height</li> <li>Width</li> <li>Glass color number for door leaf</li> <li>Paint or anodized aluminum color number for bottom trim</li> <li>Glass surface orientation (see below for Required Selections)</li> <li>Top mount type (see below for Required Selections)</li> <li>Handedness (see below for Required Selections)</li> <li>Latch prep (see below for Required Selections)</li> <li>Acoustic seal (see below for Required Selections)</li> </ol> <p>► See <i>Surface Materials</i>, page 210.</p>

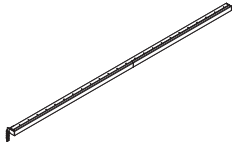
Required Selections		Required to Specify
<b>Glass Surface Orientation</b>	<ul style="list-style-type: none"> <li>Polished to inside</li> <li>Polished to outside</li> </ul>	<p>Specify <i>with polished to inside</i>.</p> <p>Specify <i>with polished to outside</i>.</p>
<b>Top Mount Type</b>	<ul style="list-style-type: none"> <li>Ceiling</li> <li>Intermediate</li> </ul>	<p>Specify <i>with ceiling mount</i>.</p> <p>Specify <i>with intermediate mount</i>.</p>
<b>Handedness</b>	<ul style="list-style-type: none"> <li>Right hand</li> <li>Left hand</li> </ul>	<p>Specify <i>with right hand</i>.</p> <p>Specify <i>with left hand</i>.</p>
<b>Latch Prep</b>	<ul style="list-style-type: none"> <li>Ladder aligned</li> <li>Ladder offset</li> <li>Lever lock</li> <li>Push/pull</li> </ul>	<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>
<b>Acoustic Seal</b>	<ul style="list-style-type: none"> <li>No seal</li> <li>Drop seal</li> </ul>	<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 44	• 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 210.

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

Required Selections		Required to Specify
<b>Hardware</b>	<ul style="list-style-type: none"> <li>• No hardware</li> <li>• Hardware</li> </ul>	Specify <i>with no hardware</i> . Specify <i>with hardware</i> .
<b>Handedness</b>	<ul style="list-style-type: none"> <li>• Right hand</li> <li>• Left hand</li> </ul>	Specify <i>with right hand</i> . Specify <i>with left hand</i> .
<b>End Configuration, Left</b>	<ul style="list-style-type: none"> <li>• Actual</li> <li>• At adapter</li> <li>• L junction</li> <li>• Support junction</li> <li>• At junction</li> <li>• At bypass</li> <li>• Support bypass</li> <li>• Cut</li> </ul>	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.
<b>End Configuration, Right</b>	<ul style="list-style-type: none"> <li>• Actual</li> <li>• At adapter</li> <li>• L junction</li> <li>• Support junction</li> <li>• At junction</li> <li>• At bypass</li> <li>• Support bypass</li> <li>• Cut</li> </ul>	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.
<b>Utility Panel</b>	<ul style="list-style-type: none"> <li>• No utility panel</li> <li>• Utility panel</li> </ul>	Specify <i>with no utility panel</i> . Specify <i>with utility panel</i> .
<b>End Notch</b>	<ul style="list-style-type: none"> <li>• No notch</li> <li>• Left notch</li> <li>• Right notch</li> <li>• Both notch</li> </ul>	Specify no notch. Specify left notch. Specify right notch. Specify both notch.
<b>Bracket Hole Count</b>	<ul style="list-style-type: none"> <li>• One hole</li> <li>• Two holes</li> </ul>	Specify <i>with one hole</i> . Specify <i>with two holes</i> .
<b>Bracket Hole Location</b>	<ul style="list-style-type: none"> <li>• Hole one location</li> <li>• Hole two location, if selected</li> </ul>	Specify X dimension for hole one. Specify X dimension for hole two, if selected.

## Specification Information

### • Style Number

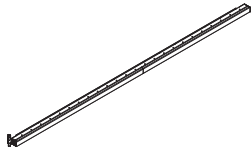
•

### FEDTSLSMB

•

# Reinforced Single Surface Mounted Slider Door Track

Reinforced Single Surface  
Mounted Slider Door Track



	Standard Includes	Required to Specify
► Need help? Product details, page 44	<ul style="list-style-type: none"> <li>Door track: paint or 8043 Clear Anodized Aluminum</li> <li>Width: 98.00001"–168"</li> <li>Door type: polished edge</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Width</li> <li>Paint or anodized aluminum color number for door track</li> <li>Handedness (see below under Required Selections)</li> <li>End configuration left (see below under Required Selections)</li> <li>End configuration right (see below under Required Selections)</li> <li>Utility panel configuration (see below under Required Selections)</li> <li>Bracket hole location (see below under Required Selections)</li> </ol> <p>► See <i>Surface Materials</i>, page 210.</p>

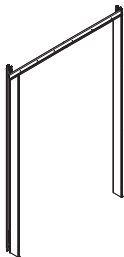
	Required Selections	Required to Specify
<b>Handedness</b>	<ul style="list-style-type: none"> <li>Right hand</li> <li>Left hand</li> </ul>	Specify <i>with right hand</i> . Specify <i>with left hand</i> .
<b>End Configuration, Left</b>	<ul style="list-style-type: none"> <li>Actual</li> </ul>	Specify actual.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

## Specification Information

• Style  
• Number

FEDTSLSMR

# Frame for Pair of Surface Mounted Slider Doors



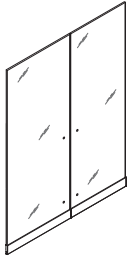
Standard Includes		Required to Specify
► Need help? Product details, page 44	<ul style="list-style-type: none"><li>• Door frame: paint or 8043 Clear Anodized Aluminum</li><li>• Height: 80.984"–120"</li><li>• Width: 60"–80"</li><li>• Door type: polished edge</li></ul>	1 Style number 2 Height 3 Width 4 Paint or anodized aluminum color number for frame 5 Top mount type (see below under Required Selections) ► See <i>Surface Materials</i> , page 210.

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

Specification Information	
• <b>Style Number</b>	
<hr/>	
<b>FEDFSLPM</b>	
•	

# 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 44	<ul style="list-style-type: none"> <li>Door leaf: 1/2" thick polished edge glass</li> <li>Bottom trim: paint or 8043 Clear Anodized Aluminum</li> <li>Height: 80.984" - 120"</li> <li>Width: 60" - 80"</li> </ul>	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 210.

Required Selections		Required to Specify
<b>Glass Surface Orientation</b>	<ul style="list-style-type: none"> <li>Polished to inside</li> <li>Polished to outside</li> </ul>	Specify <i>with polished to inside.</i> Specify <i>with polished to outside.</i>
<b>Top Mount Type</b>	<ul style="list-style-type: none"> <li>Ceiling</li> <li>Intermediate</li> </ul>	Specify <i>with ceiling mount.</i> Specify <i>with intermediate mount.</i>
<b>Latch Prep</b>	<ul style="list-style-type: none"> <li>Ladder aligned</li> <li>Ladder offset</li> <li>Push/pull</li> </ul>	Specify <i>with ladder aligned.</i> Specify <i>with ladder offset.</i> Specify <i>with push/pull.</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 44	<ul style="list-style-type: none"> <li>Door track: paint or 8043 Clear Anodized Aluminum</li> <li>Width: 106.874" to 288"</li> <li>Door type: polished edge</li> </ul>	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 210.

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

Specification Information
• <b>Style Number</b> : : : <b>FEDTSLPMR</b> : :

Standard Includes		Required to Specify
► Need help? Product details, page 46	<ul style="list-style-type: none"> <li>Bracket: paint</li> <li>Height: 80.984"-120"</li> </ul>	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 210.

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

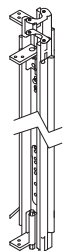


---

# Specifying Intersections—Junctions and Adapters

<b>Two-Way Fixed Angle Junction Assembly</b>	<b>168</b>
<b>Two-Way Variable Angle Junction Assembly</b>	<b>169</b>
<b>Three-Way Junction Assembly</b>	<b>170</b>
<b>Four-Way Junction Assembly</b>	<b>171</b>
<b>Junction Covers, Trim, Hardware, and Seals</b>	<b>172</b>
<b>90° T/X Adapter and Finished End</b>	<b>179</b>

# Two-Way Fixed Angle Junction Assembly



Standard Includes		Required to Specify
► Need help? Product details, page 61	<ul style="list-style-type: none"> <li>• Junction assembly</li> <li>• Height: 80"–144"</li> <li>• Seal: plastic</li> </ul>	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 210.

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

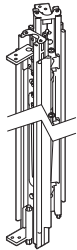
## Specification Information

• **Style Number**

**FEIJA2F**

# Two-Way Variable Angle Junction Assembly

Two-Way Variable Angle  
Junction Assembly



Intersections

Standard Includes		Required to Specify
► Need help? Product details, page 61	<ul style="list-style-type: none"> <li>• Junction assembly</li> <li>• Height: 80"–144"</li> <li>• Seal: plastic</li> </ul>	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 210.

Required Selections		Required to Specify
<b>Angle</b>	<ul style="list-style-type: none"> <li>• 91°–119°</li> <li>• 121°–134°</li> <li>• 136°–179°</li> </ul>	Specify angle in 1° increment. Specify angle in 1° increment. Specify angle in 1° increment.
<b>Horizontal Hole Cut-Out</b>	<b>Horizontal Hole</b> <ul style="list-style-type: none"> <li>• No holes</li> <li>• Hole 1 location</li> <li>• Hole 2 location</li> <li>• Hole 3 location</li> <li>• Hole 4 location</li> <li>• Hole 5 location</li> <li>• Hole 6 location</li> <li>• Hole 7 location</li> <li>• Hole 8 location</li> <li>• Hole 9 location</li> <li>• Hole 10 location</li> <li>• Hole 11 location</li> </ul>	Specify <i>with no holes</i> . 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 61	<ul style="list-style-type: none"> <li>• Junction assembly</li> <li>• Height: 80"–144"</li> <li>• Seal: plastic</li> </ul>	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 210.

Required Selections		Required to Specify
<b>Angle</b>	<ul style="list-style-type: none"> <li>• 90°</li> <li>• 120°</li> <li>• 135°</li> </ul>	Specify <i>with 90° angle</i> . Specify <i>with 120° angle</i> . Specify <i>with 135° angle</i> .
<b>Horizontal Hole Cut-Out</b>	<b>Horizontal Hole</b> <ul style="list-style-type: none"> <li>• No holes</li> <li>• Hole 1 location</li> <li>• Hole 2 location</li> <li>• Hole 3 location</li> <li>• Hole 4 location</li> <li>• Hole 5 location</li> <li>• Hole 6 location</li> <li>• Hole 7 location</li> <li>• Hole 8 location</li> <li>• Hole 9 location</li> <li>• Hole 10 location</li> <li>• Hole 11 location</li> </ul>	Specify <i>with no holes</i> . 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.

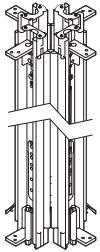
## Specification Information

• **Style Number**

**FEIJA3**

# Four-Way Junction Assembly

Four-Way Junction  
Assembly



Intersections

Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>► Need help? Product details, page 61</li> <li>• Junction assembly</li> <li>• Height: 80"–144"</li> <li>• Seal: plastic</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Height</li> <li>3 Plastic color number for seal</li> <li>4 Horizontal hole cut-out (see below under Required Selections)</li> <li>► See <i>Surface Materials</i>, page 210.</li> </ul>

Required Selections	Required to Specify
<b>Horizontal Hole Cut-Out</b> <ul style="list-style-type: none"> <li>• No holes</li> <li>• Hole 1 location</li> <li>• Hole 2 location</li> <li>• Hole 3 location</li> <li>• Hole 4 location</li> <li>• Hole 5 location</li> <li>• Hole 6 location</li> <li>• Hole 7 location</li> <li>• Hole 8 location</li> <li>• Hole 9 location</li> <li>• Hole 10 location</li> <li>• Hole 11 location</li> </ul>	<p>Specify <i>with no holes</i>.</p> <p>Specify Y dimension for hole 1.</p> <p>Specify Y dimension for hole 2.</p> <p>Specify Y dimension for hole 3.</p> <p>Specify Y dimension for hole 4.</p> <p>Specify Y dimension for hole 5.</p> <p>Specify Y dimension for hole 6.</p> <p>Specify Y dimension for hole 7.</p> <p>Specify Y dimension for hole 8.</p> <p>Specify Y dimension for hole 9.</p> <p>Specify Y dimension for hole 10.</p> <p>Specify Y dimension for hole 11.</p>

Specification Information
<ul style="list-style-type: none"> <li>• <b>Style Number</b></li> <li>•</li> <li>•</li> </ul> <hr/> <b>FEIJA4</b> <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>

# Junction Covers, Trim, Hardware, and Seals

## Inner Junction Cover



Standard Includes		Required to Specify
► Need help? Product details, page 60	<ul style="list-style-type: none"><li>• Junction cover: paint or 8043 Clear Anodized Aluminum</li><li>• Height: 77.71654"–141.71654"</li><li>• Seal</li></ul>	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 210.
Required Selections		Required to Specify
<b>Fixed Angles</b>	<ul style="list-style-type: none"><li>• 120°</li><li>• 135°</li></ul>	Specify with 120° angle. Specify with 135° angle.
Specification Information		
• <b>Style Number</b>		
FEIJCI		

## Variable Angle Inner Junction Cover



Standard Includes		Required to Specify
► Need help? Product details, page 60	<ul style="list-style-type: none"><li>• Junction cover: paint</li><li>• Height: 77.71654"–141.71654"</li></ul>	1 Style number 2 Paint color number for cover 3 Height 4 Angle (see below under Required Selections) ► See <i>Surface Materials</i> , page 210.
Required Selections		Required to Specify
<b>Variable Angles</b>	<ul style="list-style-type: none"><li>• 91°–119°</li><li>• 121°–134°</li><li>• 136°–179°</li></ul>	Specify angle in 1° increment. Specify angle in 1° increment. Specify angle in 1° increment.
Specification Information		
• <b>Style Number</b>		
FEIJCIV		

## 90° Inner Junction Trim



Standard Includes		Required to Specify
► Need help? Product details, page 60	<ul style="list-style-type: none"> <li>Junction trim: paint</li> <li>Height: 77.71654"—141.71654"</li> </ul>	1 Style number 2 Paint color number for trim 3 Height ► See <i>Surface Materials</i> , page 210.
Specification Information		
• <b>Style Number</b> . . <b>FEI90T</b> . .		

## Outer Junction Cover



Standard Includes		Required to Specify
► Need help? Product details, page 60	<ul style="list-style-type: none"> <li>Junction cover: paint or 8043 Clear Anodized Aluminum</li> <li>Height: 77.71654"—141.71654"</li> </ul>	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 210.
Required Selections		Required to Specify
<b>Fixed Angles</b>	<ul style="list-style-type: none"> <li>90°</li> <li>120°</li> <li>135°</li> <li>180°</li> </ul>	Specify <i>with 90° angle</i> . Specify <i>with 120° angle</i> . Specify <i>with 135° angle</i> . Specify <i>with 180° angle</i> .
<b>Bottom Alignment (for 180° cover)</b>	<ul style="list-style-type: none"> <li>To the skin</li> <li>To the floor</li> </ul>	Specify <i>with to the skin</i> . Specify <i>with to the floor</i> .
Specification Information		
• <b>Style Number</b> . . <b>FEIJCO</b> . .		

## Variable Angle Outer Junction Cover



Standard Includes		Required to Specify
► Need help? Product details, page 62	<ul style="list-style-type: none"> <li>• Junction cover: paint</li> <li>• Height: 77.71654"–141.71654"</li> <li>• Seal</li> </ul>	1 Style number 2 Paint color number for cover 3 Height 4 Angle (see below under Required Selections) ► See <i>Surface Materials</i> , page 210.

Required Selections		Required to Specify
<b>Variable Angles</b>	<ul style="list-style-type: none"> <li>• 91°–119°</li> <li>• 121°–134°</li> <li>• 136°–179°</li> </ul>	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 64	<ul style="list-style-type: none"> <li>• Junction cover: paint or 8043 Clear Anodized Aluminum</li> <li>• Height: 77.71654"–141.71654"</li> <li>• Bottom alignment: to the skin</li> </ul>	1 Style number 2 Paint or anodized aluminum color number for cover 3 Height ► See <i>Surface Materials</i> , page 210.

### Specification Information

• **Style Number**

**FEIJCOB**

## Two-Way Junction Hardware



Standard Includes		Required to Specify
► Need help? Product details, page 60	<ul style="list-style-type: none"> <li>• Hardware</li> <li>• Height: 80"–144"</li> </ul>	1 Style number 2 Height 3 Angle (see below under Required Selections)
Required Selections		Required to Specify
<b>Fixed Angles</b>	<ul style="list-style-type: none"> <li>• 90°</li> <li>• 120°</li> <li>• 135°</li> <li>• 180°</li> </ul>	Specify <i>with 90° angle</i> . Specify <i>with 120° angle</i> . Specify <i>with 135° angle</i> . Specify <i>with 180° angle</i> .
Specification Information		
• <b>Style</b> • <b>Number</b> : : :		
<b>FEIJH2</b>		
:		

## Two-Way Variable Angle Junction Hardware



Standard Includes		Required to Specify
► Need help? Product details, page 60	<ul style="list-style-type: none"> <li>• Hardware</li> <li>• Height: 80"–144"</li> </ul>	1 Style number 2 Height 3 Angle (see below under Required Selections)
Required Selections		Required to Specify
<b>Variable Angles</b>	<ul style="list-style-type: none"> <li>• 91°–119°</li> <li>• 121°–134°</li> <li>• 136°–179°</li> </ul>	Specify angle in 1° increment. Specify angle in 1° increment. Specify angle in 1° increment.
Specification Information		
• <b>Style</b> • <b>Number</b> : : :		
<b>FEIJH2V</b>		
:		

## Three-Way Junction Hardware



Standard Includes		Required to Specify
► Need help? Product details, page 60	<ul style="list-style-type: none"> <li>• Hardware</li> <li>• Height: 80"–144"</li> </ul>	1 Style number 2 Height 3 Angle (see below under Required Selections)
Required Selections		Required to Specify
<b>Fixed Angles</b>	<ul style="list-style-type: none"> <li>• 90°</li> <li>• 120°</li> <li>• 135°</li> </ul>	Specify with 90° angle. Specify with 120° angle. Specify with 135° angle.
Specification Information		
• <b>Style Number</b> ..... <b>FEIJH3</b> .....		

## Four-Way Junction Hardware



Standard Includes		Required to Specify
► Need help? Product details, page 60	<ul style="list-style-type: none"> <li>• Hardware</li> <li>• Height: 80"–144"</li> </ul>	1 Style number 2 Height
Specification Information		
• <b>Style Number</b> ..... <b>FEIJH4</b> .....		

## Two-Way Bypass Junction Hardware



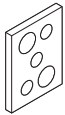
Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 60</li> <li>• Hardware</li> <li>• Height: 80"–144"</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Height</li> </ul>

### Specification Information

• **Style Number**

**FEIJHB**

## Junction Nut Plate



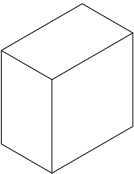
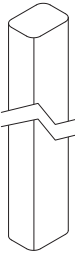
Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 60</li> <li>• Nut plate</li> </ul>	<ul style="list-style-type: none"> <li>Style number</li> </ul>

### Specification Information

• **Style Number**

**FEIJNP**

Junction Seals



Standard Includes	Required to Specify
<div><div>► Need help? Product details, page 60</div><div>• Junction seal</div></div>	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

Intersections

## 90° T/X Adapter



Standard Includes		Required to Specify
▶ Need help? Product details, page 60	• Adapter: paint or 8043 Clear Anodized Aluminum	1 Style number
	• Height: 77.71654"–141.71654"	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 210.

Required Selections		Required to Specify
<b>Bottom Alignment</b>	• To the skin	Specify <i>with to the skin</i> .
	• To the floor	Specify <i>with to the floor</i> .

### Specification Information

• **Style Number**

**FEIA**

## Finished End



Standard Includes		Required to Specify
▶ Need help? Product details, page 60	• Cover: paint or 8043 Clear Anodized Aluminum	1 Style number
	• Top trim: paint	2 Height
	• Bottom trim: paint	3 Paint or anodized aluminum color number for cover
	• Height: 77.71654"–141.71654"	4 Paint color number for top trim
		5 Paint color number for bottom trim
		▶ See <i>Surface Materials</i> , page 210.

### Specification Information

• **Style Number**

**FEIFE**



---

# Specifying Mini Ends

<b>90° Adjustable Mini End and Mini End Cover</b>	<b>182</b>
<b>Door Frame/Mini End Hardware Kit</b>	<b>183</b>

# 90° Adjustable Mini End and Mini End Cover

## 90° Adjustable Mini End



Standard Includes		Required to Specify
► Need help? Product details, page 66	• 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 210.

Required Selections		Required to Specify
<b>Width</b>	• 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	
• <b>Style Number</b>	
•	
•	
<b>FEEAM</b>	
•	

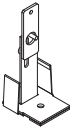
## Mini End Cover



Standard Includes		Required to Specify
► Need help? Product details, page 66	• 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 210.

Required Selections		Required to Specify
<b>Width</b>	• 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> .
<b>Bottom Alignment</b>	• To the skin	Specify <i>with to the skin</i> .
	• To the floor	Specify <i>with to the floor</i> .

Specification Information	
• <b>Style Number</b>	
•	
•	
<b>FEEAMC</b>	
•	



Standard Includes		Required to Specify
▶ Need help? Product details, page 66	• Hardware kit: paint	1 Style number 2 Paint color number for kit ▶ See <i>Surface Materials</i> , page 210.

Specification Information
• <b>Style</b> • <b>Number</b> : : :
<b>FEEHDM</b> : :



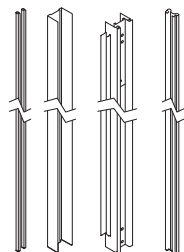
---

# Specifying Cutable Ends

<b>90° Cutable End Assembly</b>	<b>186</b>
<b>90° Cutable End Inner Channel</b>	<b>186</b>
<b>90° Cutable End Outer Channel</b>	<b>187</b>
<b>Cutable End Capture Trim</b>	<b>187</b>
<b>Cutable End Corner Angle</b>	<b>188</b>
<b>Cutable End Elbow</b>	<b>188</b>

# Cutable Ends

## 90° Cutable End Assembly



Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 69</li> <li>• Cutable end assembly: paint</li> <li>• Height: 80"–144"</li> <li>• Seal: plastic</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Paint color number for cutable end assembly</li> <li>3 Plastic color number for seal</li> <li>4 Height</li> <li>▶ See <i>Surface Materials</i>, page 210.</li> </ul>

### Specification Information

• **Style Number**

**FEECEA**

## 90° Cutable End Inner Channel



Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 68</li> <li>• Cutable end inner channel: paint</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Paint color number for cutable end assembly</li> <li>3 Length (see below under Required Selections)</li> <li>▶ See <i>Surface Materials</i>, page 210.</li> </ul>

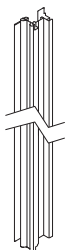
Required Selections	Required to Specify
<b>Length</b> <ul style="list-style-type: none"> <li>• 48"</li> <li>• 120"</li> <li>• 144"</li> </ul>	<ul style="list-style-type: none"> <li>Specify 48" long.</li> <li>Specify 120" long.</li> <li>Specify 144" long.</li> </ul>

### Specification Information

• **Style Number**

**FEECEI**

## 90° Cutable End Outer Channel



Standard Includes		Required to Specify
► Need help? Product details, page 68	<ul style="list-style-type: none"> <li>Cutable end outer channel</li> <li>Seal: plastic</li> </ul>	1 Style number 2 Length (see below under Required Selections) 3 Plastic color number for seal
Required Selections		Required to Specify
<b>Length</b>	<ul style="list-style-type: none"> <li>48"</li> <li>120"</li> <li>144"</li> </ul>	Specify 48" long. Specify 120" long. Specify 144" long.
Specification Information		
<b>Style Number</b> . . .		
<b>FEECEO</b> . .		

Cutable Ends

## Cutable End Capture Trim



Standard Includes		Required to Specify
► Need help? Product details, page 68	<ul style="list-style-type: none"> <li>Cutable end capture trim: paint</li> <li>Height: 12.1"–144"</li> </ul>	1 Style number 2 Paint color number for capture trim 3 Height ► See <i>Surface Materials</i> , page 210.
Specification Information		
<b>Style Number</b> . . .		
<b>FEECECT</b> . .		

## Cutable End Corner Angle



Standard Includes		Required to Specify
► Need help? Product details, page 68	• Cutable end corner angle	Style number
Specification Information		
• <b>Style Number</b>		
FEECEAI		

## Cutable End Elbow



Standard Includes		Required to Specify
► Need help? Product details, page 68	• Cutable end elbow	1 Style number 2 Miter configuration (see below under Required Selections)
Required Selections		Required to Specify
<b>Miter Configuration</b>	• Inside corner • Outside corner	Specify <i>with inside corner</i> . Specify <i>with outside corner</i> .
Specification Information		
• <b>Style Number</b>		
FEECEEEO		

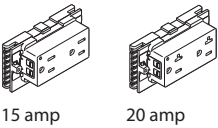
---

# Specifying Electrical Components

<b>Receptacles and Power Block</b>	<b>190</b>
<b>Power/Communication Receptacle Trim, Blank Cut-Out Cover, and Modular Communication Faceplate</b>	<b>192</b>
<b>Multipurpose Infeed and Power Block Connector</b>	<b>194</b>
<b>Modular Harness and Harness-to-Harness Branching Connector</b>	<b>195</b>
<b>Electrical Mounting Brackets</b>	<b>196</b>
<b>Utility Panel Cover</b>	<b>197</b>

# Receptacles and Power Block

## Receptacle



Tip: For designation of controlled receptacles, order permanent ink stamp with controlled icon; service part (1063909001SR). It includes a pair of stamps, one white and one black. Appropriate receptacles can be stamped at the job site during installation.

Standard Includes		Required to Specify
<div>▶ Need help?</div> <div>Product details, page 72</div>	<ul style="list-style-type: none"> <li>Receptacle: plastic</li> </ul>	<div>1 Style number</div> <div>2 Plastic color number for receptacle</div> <div>3 Wiring schematic (see below under Required Selections)</div> <div>4 Line (see below under Required Selections)</div> <div>5 Ground type (see below under Required Selections)</div> <div>6 Amp type (see below under Required Selections)</div> <div>▶ See <i>Surface Materials</i>, page 210.</div>
Required Selections		Required to Specify
Wiring Schematic	<ul style="list-style-type: none"> <li>3+1</li> <li>2+2</li> <li>3SN</li> </ul>	<div>Specify with 3+1.</div> <div>Specify with 2+2.</div> <div>Specify with 3SN.</div>
Line	<ul style="list-style-type: none"> <li>Line 1</li> <li>Line 2</li> <li>Line 3</li> <li>Line 4</li> </ul>	<div>Specify with line 1.</div> <div>Specify with line 2.</div> <div>Specify with line 3.</div> <div>Specify with line 4.</div>
Ground Type	<ul style="list-style-type: none"> <li>System</li> <li>Isolated</li> </ul>	<div>Specify with system ground.</div> <div>Specify with isolated ground.</div>
Amp Type	<ul style="list-style-type: none"> <li>15 amp</li> <li>20 amp</li> </ul>	<div>Specify with 15 amp.</div> <div>Specify with 20 amp.</div>

Specification Information	
• Style Number	
• FEPRC	

## USB Receptacle



Standard Includes	Required to Specify
<p>► Need help? Product details, page 72</p> <ul style="list-style-type: none"> <li>USB receptacle: plastic</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Plastic color number for receptacle</li> <li>3 Wiring schematic (see below under Required Selections)</li> <li>4 Line (see below under Required Selections)</li> </ul> <p>► See <i>Surface Materials</i>, page 210.</p>

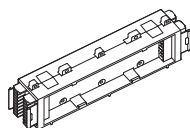
Required Selections	Required to Specify
<p><b>Wiring Schematic</b></p> <ul style="list-style-type: none"> <li>3+1</li> <li>2+2</li> <li>3SN</li> </ul>	<p>Specify <i>with 3+1</i>. Specify <i>with 2+2</i>. Specify <i>with 3SN</i>.</p>
<p><b>Line</b></p> <ul style="list-style-type: none"> <li>Line 1</li> <li>Line 2</li> <li>Line 3</li> <li>Line 4</li> </ul>	<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 72</p> <ul style="list-style-type: none"> <li>Power block</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Wire schematic (see below under Required Selections)</li> </ul>

Required Selections	Required to Specify
<p><b>Wiring Schematic</b></p> <ul style="list-style-type: none"> <li>3+1</li> <li>2+2</li> <li>3SN</li> </ul>	<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
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 72</li> <li>• Receptacle trim: plastic</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Plastic color number for receptacle trim</li> <li>3 Cut-out type (see below under Required Selections)</li> </ol> <p>▶ See <i>Surface Materials</i>, page 210.</p>

Required Selections	Required to Specify
<b>Cut-out Type</b> <ul style="list-style-type: none"> <li>• Power</li> <li>• Communications</li> </ul>	<p>Specify <i>with power cut-out</i>. Specify <i>with communications cut-out</i>.</p>

### Specification Information

• **Style Number**

**FEPRCT**

## Blank Cut-Out Cover



Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 72</li> <li>• Cover cut-out: plastic</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Plastic color number for cut-out cover</li> <li>3 Cut-out type (see below under Required Selections)</li> <li>4 Wiring schematic, if selected (see below under Required Selections)</li> </ol> <p>▶ See <i>Surface Materials</i>, page 210.</p>

Required Selections	Required to Specify
<b>Cut-Out Type</b> <ul style="list-style-type: none"> <li>• Power</li> <li>• Communications</li> </ul>	<p>Specify <i>with power cut-out</i>. Specify <i>with communications cut-out</i>.</p>
<b>Wiring Schematic</b> <ul style="list-style-type: none"> <li>• 3+1</li> <li>• 2+2</li> <li>• 3SN</li> <li>• No wiring configuration</li> </ul>	<p>Specify <i>with 3+1</i>. Specify <i>with 2+2</i>. Specify <i>with 3SN</i>. Specify <i>with no wiring configuration</i>.</p>

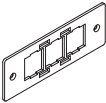
*Tip: Wiring schematic specification only required if cut-out type is power.*

### Specification Information

• **Style Number**

**FEPCCB**

Modular Communication Faceplate



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

▶ Need help? Product details, page 70	<ul style="list-style-type: none"><li>• Modular communication faceplate: plastic</li></ul> <div>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 210.</div>
---	--

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

<b>Faceplate Configuration Type</b>	<ul style="list-style-type: none"><li>• RJ45 x 3</li><li>• RJ45 + VGA</li></ul> <div>Specify <i>with RJ45 x 3</i>. Specify <i>with RJ45 + VGA</i>.</div>
---	--

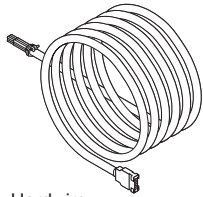
Specification Information

• Style  
• Number

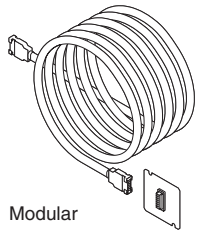
FEPFPC

# Multipurpose Infeed and Power Block Connector

## Multipurpose Infeed



Hardwire



Modular

Standard Includes		Required to Specify
► Need help? Product details, page 71	<ul style="list-style-type: none"> <li>• 24' long infeed</li> <li>• Junction box fittings</li> <li>• Conduit: metal</li> </ul>	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
<b>Wiring Schematic</b>	<ul style="list-style-type: none"> <li>• 3+1</li> <li>• 2+2</li> <li>• 3SN</li> </ul>	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> .
<b>Building Connection Type</b>	<ul style="list-style-type: none"> <li>• Hardwire</li> <li>• Modular</li> </ul>	Specify <i>with hardwire</i> . Specify <i>with modular infeed</i> .
Specification Information		
• <b>Style Number</b> . . .		
<b>FEPIMP</b> . . .		

## Power Block Connector

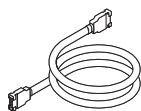


Standard Includes		Required to Specify
► Need help? Product details, page 72	<ul style="list-style-type: none"> <li>• Power block connector</li> </ul>	1 Style number 2 Wiring schematic (see below under Required Selections)
Required Selections		Required to Specify
<b>Wiring Schematic</b>	<ul style="list-style-type: none"> <li>• 3+1</li> <li>• 2+2</li> <li>• 3SN</li> </ul>	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> .
Specification Information		
• <b>Style Number</b> . . .		
<b>FEPBC</b> . . .		

# 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 70	<ul style="list-style-type: none"> <li>Modular harness</li> </ul>	1 Style number 2 Harness length (see below under Required Selections) 3 Wiring schematic (see below under Required Selections)
Required Selections		Required to Specify
<b>Harness Length</b>	<ul style="list-style-type: none"> <li>36" long</li> <li>72" long</li> <li>144" long</li> </ul>	Specify <i>with 36" harness</i> . Specify <i>with 72" harness</i> . Specify <i>with 144" harness</i> .
<b>Wiring Schematic</b>	<ul style="list-style-type: none"> <li>3+1</li> <li>2+2</li> <li>3SN</li> </ul>	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> .
Specification Information		
• <b>Style Number</b> : : :		
<b>FEPHN</b> : :		

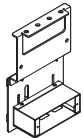
## Harness-to-Harness Branching Connector



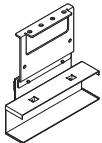
Standard Includes		Required to Specify
► Need help? Product details, page 72	<ul style="list-style-type: none"> <li>Connector</li> </ul>	1 Style number 2 Wiring schematic (see below under Required Selections)
Required Selections		Required to Specify
<b>Wiring Schematic</b>	<ul style="list-style-type: none"> <li>3+1</li> <li>2+2</li> <li>3SN</li> </ul>	Specify <i>with 3+1</i> . Specify <i>with 2+2</i> . Specify <i>with 3SN</i> .
Specification Information		
• <b>Style Number</b> : : :		
<b>FEPHNC</b> : :		

# Electrical Mounting Brackets

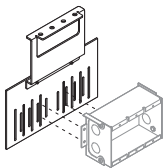
## Electrical Mounting Bracket – Skin



Data



Modular



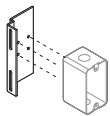
Hardwire

*Tip: Hardwire boxes are not included with bracket.*

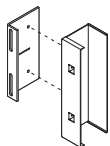
► See page 73 for a list of compatible electrical boxes.

Standard Includes		Required to Specify
► Need help? Product details, page 70	<ul style="list-style-type: none"> <li>Bracket</li> </ul>	1 Style number 2 Device type (see below under Required Selections)
Required Selections		Required to Specify
<b>Device Type</b>	<ul style="list-style-type: none"> <li>Hardwire</li> <li>ADA hardwire</li> <li>Modular</li> <li>Modular hardwire</li> <li>Modular communication</li> <li>ADA modular communication</li> </ul>	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		
<b>Style Number</b> .....		
<b>FEPMBES</b> .....		

## Electrical Mounting Bracket – Utility Panel



Hardwire box



Modular power block

*Tip: Hardwire boxes are not included with bracket.*

► See page 73 for a list of compatible electrical boxes.

Standard Includes		Required to Specify
► Need help? Product details, page 70	<ul style="list-style-type: none"> <li>Bracket</li> </ul>	1 Style number 2 Device type (see below under Required Selections)
Required Selections		Required to Specify
<b>Device Type</b>	<ul style="list-style-type: none"> <li>Hardwire shallow</li> <li>Hardwire deep</li> <li>Modular</li> </ul>	Specify <i>with hardwire shallow</i> . Specify <i>with hardwire deep</i> . Specify <i>with modular</i> .
Specification Information		
<b>Style Number</b> .....		
<b>FEPMBEU</b> .....		



Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>► Need help? Product details, page 73</li> <li>Cover: paint or 8043 Clear Anodized Aluminum</li> <li>Height: 77.71654"–141.71654"</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Paint or anodized aluminum color number for cover</li> <li>3 Height</li> <li>4 Bottom alignment type (see below under Required Selections)</li> <li>5 Cut-outs (see below under Required Selections)</li> <li>6 Cut-out type (see below under Required Selections)</li> </ol> <p>► See <i>Surface Materials</i>, page 210.</p>

	Required Selections	Required to Specify
<b>Bottom Alignment Type</b>	<ul style="list-style-type: none"> <li>To the skin</li> <li>To the floor</li> </ul>	<p>Specify <i>with to the skin</i>.</p> <p>Specify <i>with to the floor</i>.</p>
<b>Cable Management</b>	<p><b>Cut-out count</b></p> <ul style="list-style-type: none"> <li>No holes</li> <li>One hole</li> <li>Two holes</li> <li>Three holes</li> </ul> <p><b>Cut-out position, if cut-out(s) selected</b></p> <ul style="list-style-type: none"> <li>No cut-outs</li> <li>Cut-out 1 location</li> <li>Cut-out 2 location</li> <li>Cut-out 3 location</li> </ul> <p><b>Cut-out type (for each cut-out specified)</b></p> <ul style="list-style-type: none"> <li>Clearance notch</li> <li>Hardwire—2x4 rectangular</li> <li>Modular power</li> </ul>	<p>Specify <i>with no holes</i>.</p> <p>Specify <i>with one hole</i>.</p> <p>Specify <i>with two holes</i>.</p> <p>Specify <i>with three holes</i>.</p> <p>Specify <i>with no cut-outs</i>.</p> <p>Specify Y dimensions for cut-out 1.</p> <p>Specify Y dimensions for cut-out 2.</p> <p>Specify Y dimensions for cut-out 3.</p> <p>Specify <i>with clearance notch cut-out type for each applicable location</i>.</p> <p>Specify <i>with hardwire—2x4 rectangular cut-out type for each applicable location</i>.</p> <p>Specify <i>with modular power cut-out type for each applicable location</i>.</p>

## Specification Information

• **Style Number**

**FEUPC**

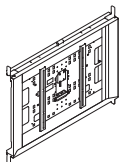


---

# Specifying Technology Components

<div></div>	
Single Monitor Shroud	200
Double Monitor Shroud	201
Monitor Shroud – Microsoft Hub 84" Wide	202
Camera Shelf for Monitor Shroud	203

## Single Monitor Shroud



	Standard Includes	Required to Specify
► Need help? Product details, page 78	<ul style="list-style-type: none"> <li>• Frame: paint or 8043 Clear Anodized Aluminum</li> <li>• Seal: plastic</li> <li>• Power assembly</li> </ul>	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 210.

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

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

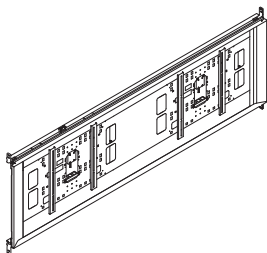
*Tip: The power assembly connector is configured to connect to circuit 1.*

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

### Specification Information

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

## FEMSS



Standard Includes	Required to Specify
<ul style="list-style-type: none"><li>▶ Need help? Product details, page 79</li><li>• Frame: paint or 8043 Clear Anodized Aluminum</li><li>• Seal: plastic</li><li>• Power assembly</li></ul>	<ul style="list-style-type: none"><li>1 Style number</li><li>2 Width (see below under Required Selections)</li><li>3 Paint or anodized aluminum color number for frame</li><li>4 Plastic color number for seal</li><li>5 Building connection type (see below under Required Selections)</li><li>6 Wiring schematic, if modular connection type selected (see below under Required Selections)</li><li>▶ See <i>Surface Materials</i>, page 210.</li></ul>

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

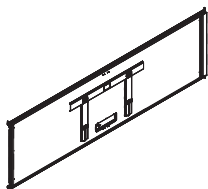
*Tip: Wiring schematic only required when building connection type is modular.*

*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
<b>Style Number</b>
<b>FEMSD</b>

**X 4/20**



- 1 Style number
- 2 Paint or anodized aluminum color number for frame
- 3 Plastic color number for seal
- 4 Building connection type (see below under Required Selections)
- 5 Wiring schematic, if modular connection type selected (see below under Required Selections)

► See *Surface Materials*, page 210.

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

## Specification Information

FEMSM SH84 X4/20

## Camera Shelf for Monitor Shroud

### Camera Shelf for Monitor Shroud



### Standard Includes

► Need help?  
Product details,  
page 78

- Frame: paint

### Required to Specify

1 Style number  
2 Paint color number for frame  
▶ See *Surface Materials*, page 210.

### Specification Information

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

## FEMSCS



---

# Specifying Hang-On Components

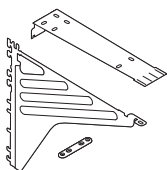
**Universal Systems Worksurface Supports**

**206**

# 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"> <li>▶ Need help? Product details, page 87</li> <li>• One cantilever: paint</li> <li>• Tie plate</li> <li>• Attachment hardware</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Paint color number for cantilever</li> <li>▶ See <i>Surface Materials</i>, page 210.</li> </ul>

### 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"> <li>▶ Need help? Product details, page 87</li> <li>• Pair of handed side support brackets: black paint only</li> <li>• Attachment hardware</li> </ul>	<ul style="list-style-type: none"> <li>Style number</li> </ul>

### Specification Information

• **Style**  
• **Number**

VUSSBR

---

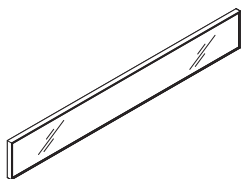
# Specifying Lighting

**Ambient LED Light and LED Driver**

**208**

# Ambient LED Light and LED Driver

## Ambient LED Light



	Standard Includes	Required to Specify
► Need help? Product details, page 104	<ul style="list-style-type: none"> <li>Ambient LED Light: paint or 8043 Clear Anodized Aluminum</li> <li>Height: 7.875"</li> <li>Width: 12"–120"</li> </ul>	1 Style number 2 Width 3 Paint or anodized aluminum color number for light ► See <i>Surface Materials</i> , page 210.

### Specification Information

• **Style Number**

**FELLA**

## LED Driver



	Standard Includes	Required to Specify
► Need help? Product details, page 105	<ul style="list-style-type: none"> <li>LED driver</li> </ul>	Style number

### Specification Information

• **Style Number**

**FELPS**

---

# Surface Materials

<b>Surface Materials</b>	<b>210</b>
<b>Pleasing Match—Veneer</b>	<b>214</b>
<b>Paint Color and Anodized Aluminum Availability Matrix</b>	<b>215</b>

# 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 215 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](http://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 215 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
- 7278 Dark Bronze
- 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

### Price Group 1

#### 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 **E**

#### Patina Laminate

- 2870 Blonde Bronze Patina
- 2871 Blackened Bronze Patina
- 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 **E**
- 2822 Woodrose Speckle **E**
- 2823 Driftwood Speckle
- 2824 Smoke Speckle
- 2825 Vanadium Speckle

## Woodgrain Laminate

- 2406 Clear Cherry
- 2409 Clear Maple
- 2410 Graphite Walnut
- 2412 Natural Cherry
- 2422 Medium Cherry
- 2511 Winter on Maple
- 2535 Virginia Walnut
- 2536 Blackwood
- 2538 Clear Walnut
- 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

### Price Group 2

#### Textured Woodgrain Laminate

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

*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.*

## Low-Pressure Laminate

### Price Group 1

#### Fiber Laminate

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

#### Metallic Laminate

- 2L03 Brushed Silver LPL **E**

#### 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](http://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

**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
- 6571 Aubergine
- 6575 Peacock
- 6576 Jungle
- 6577 Merlot
- 6578 Lagoon
- 6579 Saffron
- 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
- 6597 Honey

Applies to:

- Polished edge swing door leaves

**Price Group 1**

- 6500 Clear Glass

**Price Group 3**

- 6542 Satin

Customer-specified glass is available.

**Plated Metal****Steelcase Surfaces**

Applies to:

- Push/pull handle
- Hinges
- Roller latch
- Lockset
- Flush bolts
- 8031 Satin Stainless
- 9200 Satin Chrome
- 9201 Polished Chrome

**Vertical Surface Fabric****Steelcase Surfaces**

Applies to:

- Solid steel skins

**Price Group 1****Abacus E**

- 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**

- 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
- P513 Twilight

**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****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

**Code**

- 5FA1 Fossil
- 5FA2 Gabbro
- 5FA3 Reed
- 5FA4 Bluff
- 5FA5 Sea Salt
- 5FA6 Cannon
- 5FA7 Tussah
- 5FA8 Mica
- 5FA9 Ecru
- 5FB1 Bamboo

## Fresco

- G001 Sandrift
- G002 Mistiblu
- G003 Faon
- G006 Chamoline
- G007 Grapenut
- 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 <sup>E</sup>

- 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](http://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](http://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](mailto: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 <sup>E</sup>
- 3422 FC/OP Medium Cherry
- 3522 FC/OP Clear Maple\*
- 3572 FC/OP Amber on Maple <sup>E</sup>
- 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 <sup>E</sup>
- 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.*

## 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](http://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.*

## 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](http://steelcase.com/surface-materials) under the Select Surfaces section.

## Composite Veneer

Composite veneers are an engineered wood intended to create specific grain patterns and characteristics. They are pre-stained and finished with Steelcase's Clarity water-borne UV topcoat, which protects the environment while providing durability and clarity. Only open-pore finishes are available on composite wood. Composite veneer and matching edge bands are available on most Steelcase brand products. Composites, for use as a solid nosing substitute, are not available. Steelcase does not recommend mixing composite veneers with natural solid nosings because composite and natural wood grain and color matching are rarely compatible. Composite veneers are Graded-In as Wood Group 1 pricing.

#### Flat-cut open-pore finish choices

##### Wood group 1

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

<sup>E</sup> = Established

**Quarter-cut open-pore finish choices****Wood group 1**

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
3HVX	QC/OP Walnut Composite
3JEX	QC/OP Maple Composite
3JGX	QC/OP Cherry Composite
3ZNX	QC/OP Night Cerused Oak Composite

**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:

**Flat-cut open-pore finish choices****Wood Group 1**

3342	FC/OP Black Walnut
35A2	FC/OP Blanch Maple
37A2	FC/OP Thunder Walnut

**Wood Group 3**

3082	FC/OP Washed Walnut
------	---------------------

**Flat-cut full-fill finish choices****Wood Group 1**

3734	FC/FF Black Walnut
------	--------------------

**Wood Group 3**

3084	FC/FF Washed Walnut
------	---------------------

**Quarter-cut open-pore finish choices****Wood Group 1**

32A2	QC/OP Blanch Maple
33A2	QC/OP Thunder Walnut
3392	QC/OP Black Walnut

**Quarter-cut full-fill finish choices****Wood Group 1**

3394	QC/FF Black Walnut
------	--------------------

**Rift-cut open-pore finish choices****Wood Group 1**

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**

3P41	OP Planked Cherry
3P51	OP Planked Maple
3P61	OP Planked Oak
3P71	OP Planked Walnut

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

**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.

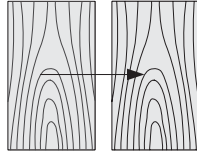
Customiz stain takes 10 days to formulate. Consult the *Surface Materials Reference Manual* for more information. Custom veneers are also available and must be quoted by Steelcase specials group. Customiz stain on custom veneers takes 2 to 4 weeks to formulate.

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

# Pleasing Match—Veneer

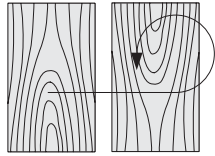
To help minimize the potential visual differences in grain pattern when applying veneer skins, Steelcase uses a randomly matched veneer configuration known as pleasing match.

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



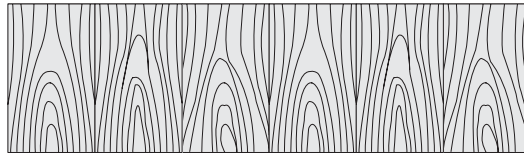
## Slip Matching

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 <sup>E</sup>	7237 Slate <sup>E</sup>	7238 Fieldstone	7239 Midnight	7241 Arctic White	7243 Seagull	7278 Dark Bronze	7360 Merle	4743 Mineral Metallic
																		4744 Pearl Metallic
																		4750 Champagne Metallic
																		4752 Steel Metallic <sup>E</sup>
																		4788 Gold Dust Metallic <sup>E</sup>
																		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
- <sup>E</sup> = Established



---

# Resources

**Style Number Index**

**218**

Resources

# Style Number Index

Style Number	Page	Description
<b>FEBSTR</b>	122	Structural Beam
<b>FEBTF</b>	115	Corner Fixed Angle Base Trim
<b>FEBTS</b>	115	Straight Base Trim
<b>FEBTSC</b>	143	Cove Base Trim
<b>FEBTV</b>	116	Corner Variable Angle Base Trim
<b>FECF</b>	114	Ceiling Fastener
<b>ECTB</b>	114	T/X Ceiling Track Bracket
<b>ECTF</b>	112	Corner Fixed Angle Ceiling Track
<b>ECTS</b>	112	Straight Ceiling Track
<b>ECTV</b>	113	Corner Variable Angle Ceiling Track
<b>FEDCLO</b>	152	Cylindrical Latch Set
<b>FEDCLS</b>	153	Door Closer
<b>FEDDS</b>	154	Door Drop Seal
<b>FEDDSP</b>	156	Door Drop Seals
<b>FEDFBP</b>	156	Flush Bolts
<b>FEDFSLPM</b>	162	Frame-Door, Slider, Pair, Surface mounting
<b>FEDFSLSM</b>	158	Sgl Surf Mtd Slider Dr Frame
<b>FEDFSWPR</b>	149	Pair Rvrsble Swing Dr Frame
<b>FEDFSWSR</b>	146	Sgl Rvrsble Swing Dr Frame
<b>FEDHE</b>	154	Electric Hinge
<b>FEDLPA</b>	155	Ladder Pull, Aligned
<b>FEDLPO</b>	155	Ladder Pull, Offset
<b>FEDLSLPPM</b>	163	Leaf-Door, Slider, Pol edge, Pair, Surf mtg
<b>FEDLSLPSM</b>	159	Sgl Surf Mtd Polished Edge Slider Dr Leaf
<b>FEDLSWPPR</b>	151	Pair Rvrsble Polished Edge Swing Dr Leaf
<b>FEDLSWPSR</b>	148	Sgl Rvrsble Polished Edge Swing Dr Leaf
<b>FEDLSWSPR</b>	150	Pair Rvrsble Solid Swing Dr Leaf
<b>FEDLSWSSR</b>	147	Sgl Rvrsble Solid Swing Dr Leaf
<b>FEDMLO</b>	152	Mortise Latch Set
<b>FEDPPH</b>	153	Push/Pull Handle
<b>FEDRL</b>	153	Roller Latch
<b>FEDTSLB</b>	165	Slider Door Track Bracket
<b>FEDTSLPMR</b>	164	Track-Door, Slider, Pair, Surf mtg, Reinforced
<b>FEDTSLSMB</b>	160	Basic Sgl Surf Mtd Slider Dr Track
<b>FEDTSLSMR</b>	161	Reinforced Sgl Surf Mtd Slider Dr Track
<b>FEEAM</b>	182	90° Adjustable Mini End
<b>FEEAMC</b>	182	Mini End Cover
<b>FEECEA</b>	186	90° Cutable End Assembly
<b>FEECEAI</b>	188	Cutable End Corner Angle
<b>FEECECT</b>	187	Cut End Capture Trim
<b>FEECEEEO</b>	188	Cutable End Elbow
<b>FEECEI</b>	186	90° Cutable End Inner Channel
<b>FEECEO</b>	187	90° Cut End Outer Channel
<b>FEEHDM</b>	183	Door Frame/Mini End Hardware Kit
<b>FEFG</b>	118	Floor Guide
<b>FEFHCGI</b>	129	Non-Locking Bracket
<b>FEFHCGL</b>	129	Locking Bracket
<b>FEFHCGLB</b>	129	Load Bracket
<b>FEFHCGT</b>	130	T Nuts
<b>FEFRCGA</b>	126	Side A Single Captured Glass Frame
<b>FEFRCGB</b>	127	Single Side Captured Glass Frame—Side B
<b>FEFRCGC</b>	126	Side C Single Captured Glass Frame
<b>FEFRCGD</b>	125	Double Glazed Captured Glass Frame
<b>FEFRCGDBP</b>	127	Single Side Captured Glass Frame—Side D
<b>FEFRCGS</b>	124	Single Glazed Captured Glass Frame
<b>FEFRCGSA</b>	128	Acoustic Seal for Captured Glass

Style Number	Page	Description
<b>FEFT</b>	117	Floor Track
<b>FEFTS</b>	117	Floor Track Spring
<b>FEI90T</b>	173	90° Inner Junction Trim
<b>FEIA</b>	179	90° T/X Adapter
<b>FEIFE</b>	179	Finished End
<b>FEIJA2F</b>	168	Two-Way Fixed Angle Junction Assembly
<b>FEIJA2V</b>	169	Two-Way Variable Angle Junction Assembly
<b>FEIJA3</b>	170	Three-Way Junction Assembly
<b>FEIJA4</b>	171	Four-Way Junction Assembly
<b>FEIJBS</b>	178	Bottom Junction Seal
<b>FEIJCI</b>	172	Inner Junction Cover
<b>FEIJCIV</b>	172	Variable Angle Inner Junction Cover
<b>FEIJCO</b>	173	Outer Junction Cover
<b>FEIJCOB</b>	174	Bypass Outer Junction Cover
<b>FEIJCOV</b>	174	Variable Angle Outer Junction Cover
<b>FEIJH2</b>	175	Two-Way Junction Hardware
<b>FEIJH2V</b>	175	Two-Way Variable Angle Junction Hardware
<b>FEIJH3</b>	176	Three-Way Junction Hardware
<b>FEIJH4</b>	176	Four-Way Junction Hardware
<b>FEIJHB</b>	177	Two-Way Bypass Junction Hardware
<b>FEIJNP</b>	177	Junction Nut Plate
<b>FEIJRC</b>	143	Acoustic Insulation
<b>FEIJS</b>	178	Junction Cover Seal
<b>FELLA</b>	208	Ambient LED Light
<b>FELPS</b>	208	LED Driver
<b>FEMSCS</b>	203	Monitor Shroud with Camera Shelf
<b>FEMSD</b>	201	Double Monitor Shroud
<b>FEMSMH84</b>	202	Monitor Shroud MS Hub
<b>FEMSS</b>	200	Single Monitor Shroud
<b>FEPB</b>	191	Power Block
<b>FEPBC</b>	194	Power Block Connector
<b>FEPBK</b>	120	Post and Beam Attachment Kit
<b>FEPCCB</b>	192	Blank Cut-Out Cover
<b>FEPF01</b>	120	Intermediate Framing Screw Package
<b>FEPFPC</b>	193	Modular Communication Faceplate
<b>FEPHN</b>	195	Modular Harness
<b>FEPHNC</b>	195	Harness-to-Harness Branching Connector
<b>FEPIMP</b>	194	Multipurpose Infeed
<b>FEPILBS</b>	119	Short Post Leveler Bracket
<b>FEPMBES</b>	196	Electrical Mounting Bracket—Skin
<b>FEPMBEU</b>	196	Electrical Mounting Bracket—Utility Panel
<b>FEPRC</b>	190	Receptacle
<b>FEPRCT</b>	192	Power/Communication Receptacle Trim
<b>FEPRCUSB</b>	191	USB Receptacle
<b>FEPVS</b>	110	Post
<b>FEPVSS</b>	121	Post Acoustic Seal Packages
<b>FERHI</b>	111	Intermediate Horizontal
<b>FERHIS</b>	121	Intermediate Horizontal Acoustic Seals
<b>FERHS</b>	111	Structural Horizontal
<b>FERHSS</b>	121	Structural Horizontal Acoustic Seals
<b>FESC</b>	140	Ceramic Skin
<b>FESHSD</b>	141	Double Slatwall Skin Hardware
<b>FESHSS</b>	142	Single Slatwall Skin Hardware
<b>FESIA</b>	144	Acoustic Insulation
<b>FESSA2</b>	144	Acoustic Skin Seal
<b>FESSF</b>	142	Flush Skin Seal

Style Number	Page	Description
<b>FESSFIC90</b>	143	Inside Corner Flush Skin Seal
<b>FESSL</b>	139	Solid Laminate Skin
<b>FESSS</b>	133	Solid Steel Skin
<b>FESSV</b>	135	Solid Veneer Skin
<b>FESSVS</b>	137	Solid Veneer Skin Set
<b>FESW</b>	141	Slatwall Skin
<b>FEUPC</b>	197	Utility Panel Cover
<b>VUCANT</b>	206	On-Module Cantilever
<b>VUSSBR</b>	206	Side Support Brackets

# Trademark List

- ® The following are registered trademarks for products of Steelcase Inc. or one of its related corporate entities: 4 o'clock, 900 Series, à la carte, Airtouch, Ally, Amia, Answer, Archipelago, Avenir, Ballet, Bix, Brayton International, Cachet, Canopy, Canto, Chancellor, Coalesse, Confidante, Context, Convene, CopyCam, Criterion, Crushed Can, Currency, dash, Designtex, Details, Detour, Drive, Elective Elements, Ellipse, Ember Chrome, Emerge, E-Table 2, FYI, Garland, Gentry, Ginkgo Biloba, Groupwork, Ideo, Jacket, Jenny, Jersey, Kart, Kick, LaCosta, Leap, Let's B, LiveBack, Max-Stacker, media:scape, Metro, Migrations, Mitra, Montage, Nurture, Oriana, Parade, Pathways, PCT, Permiso, Player, Portal, Power Pincher, Progeny, Protégé, R2, Rally, Relevant, Reply, Rizzi Arc, Sensor, Series 9000, Siento, Sieste, Sine, Softcare, Springboard, Steelcase, Steelcase Design Partnership, Stella, Stow Davis, Swathmore, TeamWork, Technique, Texpress, Think, Thunder, Topo, Train, turnstone, Underline, Unison, Vecta, Viridian, Walden, Werndl, and X-Stack.
- ® The following registered trademarks are under license from AWI Licensing Company, Dover, DE: SoundScapes, DuraBrite, BioBlock, and Armstrong.
- ® The following registered trademarks are under license from Byrne Electrical, Rockford, MI: Interport, Mini-Port, Axil Z, and Ellora.
- ® The following is a registered trademark of DuPont, Wilmington, DE: Corian.
- ® The following is a registered trademark of Genlyte Thomas Company, Louisville, KY: Lightolier.
- ® The following is a registered trademark of Hilti Corporation, FL-9494 Schaan, Principality of Liechtenstein: Hilti.
- ® The following is a registered trademark of Leviton Manufacturing Company, Little Neck, NY: Decora.
- ® The following is a registered trademark of Mechanical Plastics Corp, Elmsford, NY: Toggler.
- ® The following is a registered trademark of Microsoft Corporation, Redmond, WA: Microsoft.
- ® The following is a registered trademark of Panduit Corporation, Lockport, IL: Panduit.
- ® The following is a registered trademark of Trav (Press), Cuneo, Italy: Assisa.
- ® The following is a registered trademark of Virtual Ink, Boston, MA: mimioActive.
- ® The following registered trademarks are under license from Wilkhahn Furniture Products: Avera, Senzo, Versal, and Wilkhahn FS.
- ® The following is a registered trademark of Wilsonart International, Temple, TX: Chemsurf.
- ® The following is a registered trademark of Wiremold, West Hartford, CT: Wiremold.
- ® The following is a registered trademark of Security People, Inc.: Digilock.
- ® The following is a registered trademark of EMU Group S.P.A., Perugia, Italy: Emu.
- ™ The following are trademarks for products of Steelcase Inc. or one of its related corporate entities: Access, Active/Passive Shelf, Ainsley, Akira, Alcove, Alerion, Alight, Amaris, American Elect, American Tradition, ap40, Arbor, Arriva, Asana, Ascot, Aspekt, Astor, Await, Bassline, B-Free, Bira, Bivi, Bixby, Bottomline, Brody, Brook, Buoy, Burton, c:scape, Calla, Calm, Camber, Campfire, Capa, Cappuccino, Cesar, Chester, Chord, Circa, Clarendon, Classic Rectangular, Clipper, cobì, Collaboration, Community, Company, Convey, Cortex, Coupe, Crea, Crew, Cura, Cypress, Davenport, Dearborn, Deck, Déjà, Denizen, Denska, Derby, Divisio, Donovan, Dune, Duo, Echo, Edge, Elsna, Empath, Empress, Enea, ãno, EnSync, Enviro, Escapade, Exchange, Exponents, Field, Flat Top, FlexFrame, Flip Top, Flute, Folio, FrameOne, FreeFlow, Frontier, Galilei, Gesture, Ginger, Ginkgo, Go Wall, Grip, Groove, Hatchback, Hawthorne, Hitch, Host Collection, Hosu, Huddleboard, i2i, Impact, Indy, InfoLink, IOS, I-Solve, Jack, Jarrah, Jetty, Juice, Kami, Kast, Kathryn, Lagunitas, Lark, L'Attitude, LearnLab, Leela, LessThanFive, Lincoln, Linden, LiveSeat, Loria, Lyric, Malibu, Malibu Too, Mansfield, Marathon, Martini, Mason, Masque, Migration, Millbrae, Mineral, Mingle, Mystic, Mystic Metal, Mystic Wood, Montara650, Montreal, Move, Nadia, Neighbor, nesso, Nickel, Nikko, Nod, Node, Norfolk, Ology, Ontrak, Oom, Opus, Orchid, Outlook Collection, Ovation, Paloma, Paperflo, Parliament, Pasio, Passerelle, Patriarch, Payback, Peek, Pile File, Pisa, Pool, Potrero415, PUCK, QiVi, Quba, Rave, Reed, Regard, Relay, Reunion, Ripple, Riser, Rocco, Rocky, RoomWizard, Runner, Satellite, Sawyer, ScapeSeries, Senti, Sentinel, Senza, Sequoia, Session, ShareLink, Shield, Shortcut, Sidewalk, SILQ, Skylar, Slumber, Smoke, Snug, Soft Leaf, Sonata, Sorrel, SOTO, Southside, Stationkits, Steelcase Series, Stiletto, Surprise!, Surround, Switch, Symphony, Sync, TagWizard, Tava, TeamStudio, TeamTheater, Tenaro, Terrazzo, Theorem, Thread, Topaz, Touchdown, Tour, Tower Too, Trees, Trillium, Trolly, tX2, U-Free, Umami, Underscore, Uno, V.I.A., Verb, Verge, Verlay, Victor2, Visalia, Waldorf, Woodruff, Workspring, and X-tenz.
- ™ The following is a trademark of Microsoft Corporation, Redmond, WA: Windows.
- ™ The following is a trademark of Rodman Industries, Inc., Oconomowoc, WI: ResinCore1.
- ™ The following is a trademark of Ultrafabrics, LLC, Elmsford, NY: Ultraleather.
- ™ The following trademarks are under license from Wilkhahn Furniture products: Cana, Linus, Logon, Picto, Range, Stitz, Thema, Timetable, and Tubis.
- ™ The following trademark is used under license from Cradle to Cradle Products Innovation Institute, Oakland, CA: Cradle to Cradle Certified.
- ™ The following trademarks are under license from Walter Knoll: Andoo, Bob, Lazlo, Lox, Ribbon, and Together.
- ™ The following trademarks are under license from PP Møbler: Bar and Flag Halyard.
- ™ The following trademarks are under license from Viccarbe: Davos, Holy Day, Last Minute, RS, Sistema, and Wrapp.
- ™ The following trademarks are under license from Carl Hansen: Elbow, Paddle, Shell, Wing, and Wishbone.
- ™ The following trademarks are under license from Cambridge Sound Management, LLC, Cambridge, MA: QtPro Soundmasking, Qt Quiet Technology, and Sonet Qt.
- ™ The following is a trademark of Electri-Cable Assemblies, Shelton, CT: Interact.
- ™ The following is a trademark of Clestra Hauserman: IRYS.
- ™ The following is a trademark of Wiesner-Hager Möbel GmbH: Nooi.
- ™ The following are trademarks of PolyVision: a³, e³, Motif, and PolyVision.

*Trademarks used here in are the property of Steelcase, Inc. or of their respective owners.*