

tek vue

application guide

01.22.2024

teknion



what is tek vue

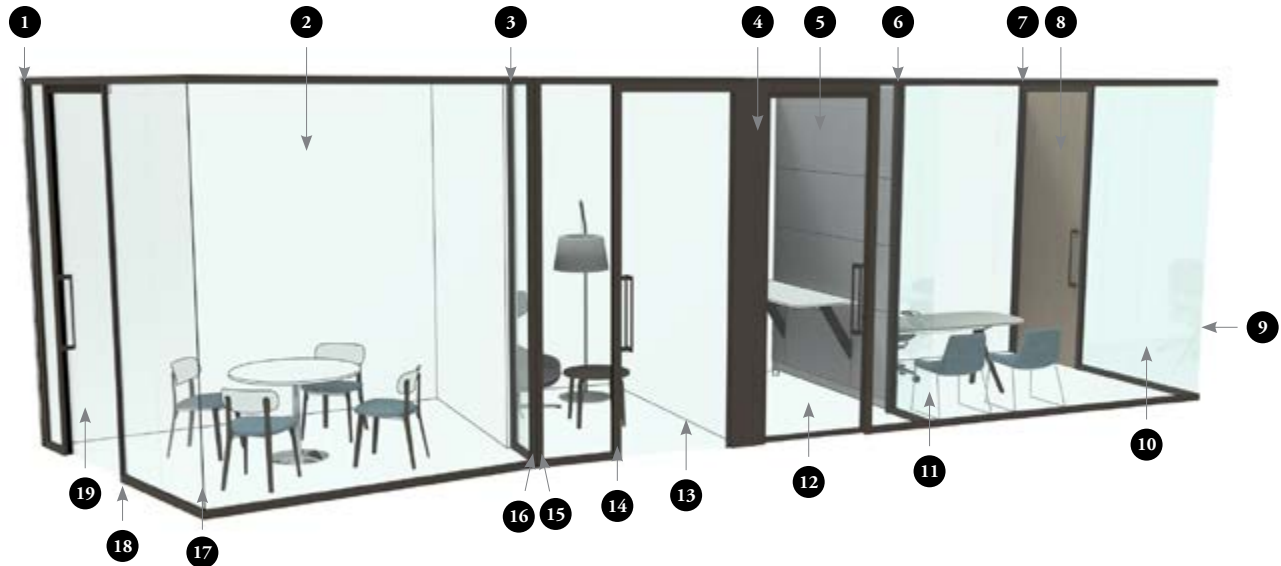
# what is tek vue

## what is tek vue

**Tek Vue is a value oriented glass office front system designed with simplicity in mind.**

Tek Vue consists of a thin profile center glass wall and universal door program. The system can be integrated with conventional building construction as well as existing Teknion wall programs.

### environments and applications:



- 1 Articulating Wall Start
- 2 Drywall Spine and demising (shown)
- 3 Wall Start
- 4 Drywall Fly-By Transition
- 5 Altos Landscape demising (shown)
- 6 Altos Inline Transition
- 7 Door Start
- 8 Solid Pivot Door
- 9 90° Glass Corner
- 10 Inline Glass (Off Module)
- 11 Three-Way Glass Corner (Off Module)
- 12 Framed Pivot Door (Single leaf shown)
- 13 Frameless Pivot Door
- 14 Universal Pivot Door Frame
- 15 Glass Corner Transition
- 16 Articulating Wall Transition
- 17 Clear Plastic Variable Angle Connector
- 18 Universal Barn Door Frame
- 19 Frameless Barn Door Leaf (interior mounted)

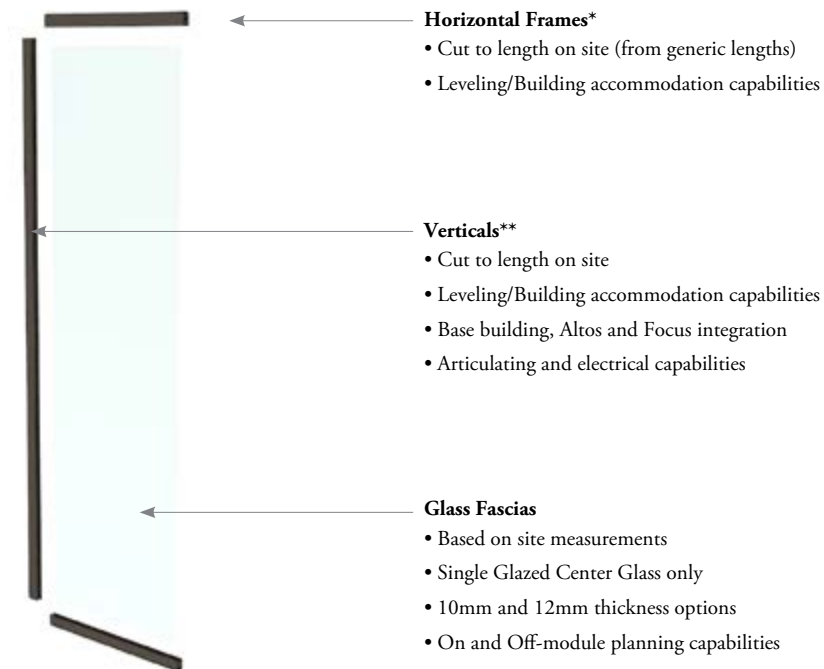


## wall program – core concepts

The following describes the core concepts to consider when planning and specifying the Tek Vue wall program.

Tek Vue wall program consists of the following discrete elements:

- Horizontal Frames
- Verticals
- Glass Fascias



NOTE:

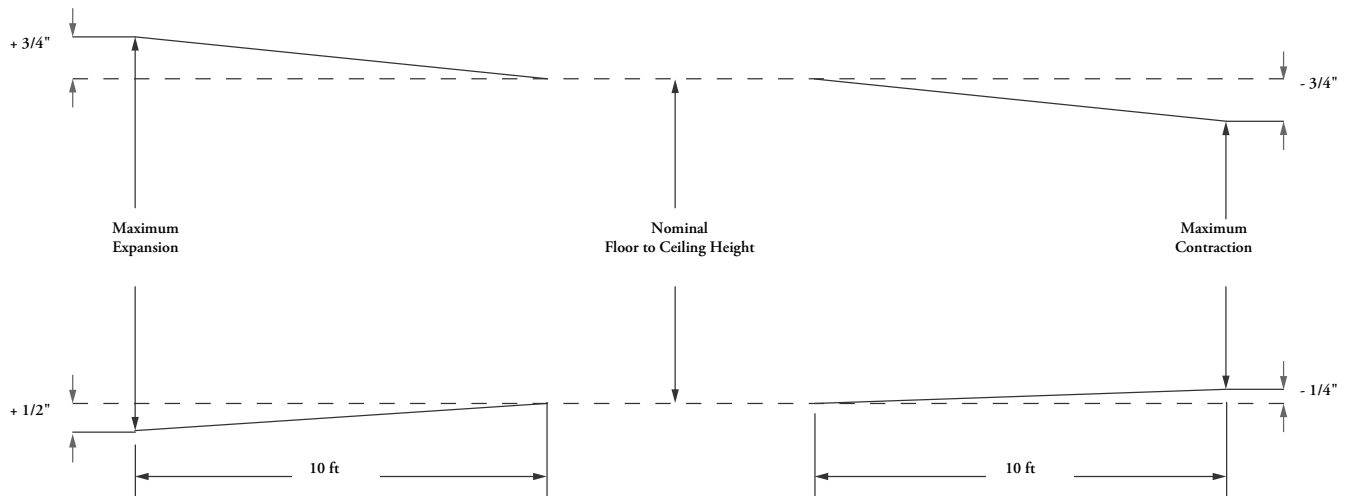
\* Horizontal Frames include base and ceiling frames

\*\* Verticals include wall starts, door starts and wall transitions

# wall program – planning considerations

The following describes the planning considerations for the wall program.

The diagram below explains the building accommodation range of the Wall Program in relation to the nominal floor to ceiling height.



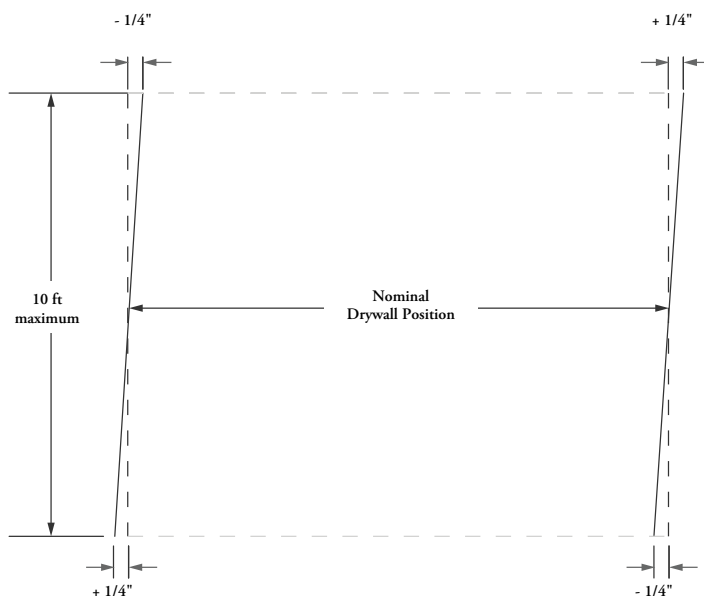
## Maximum Expansion - Floor to Ceiling

Finished floor to ceiling height cannot expand more than 1-1/4" over 10 ft in one wall run (+3/4" in ceiling, + 1/2" in floor).

## Maximum Contraction - Floor to Ceiling

Finished floor to ceiling height cannot contract more than 1" over 10ft in one wall run (-3/4" in ceiling, -1/4" in floor).

The diagram below explains the building accommodation range of the Wall Program in relation to vertical drywall.



## Maximum Deviation - Vertical Drywall

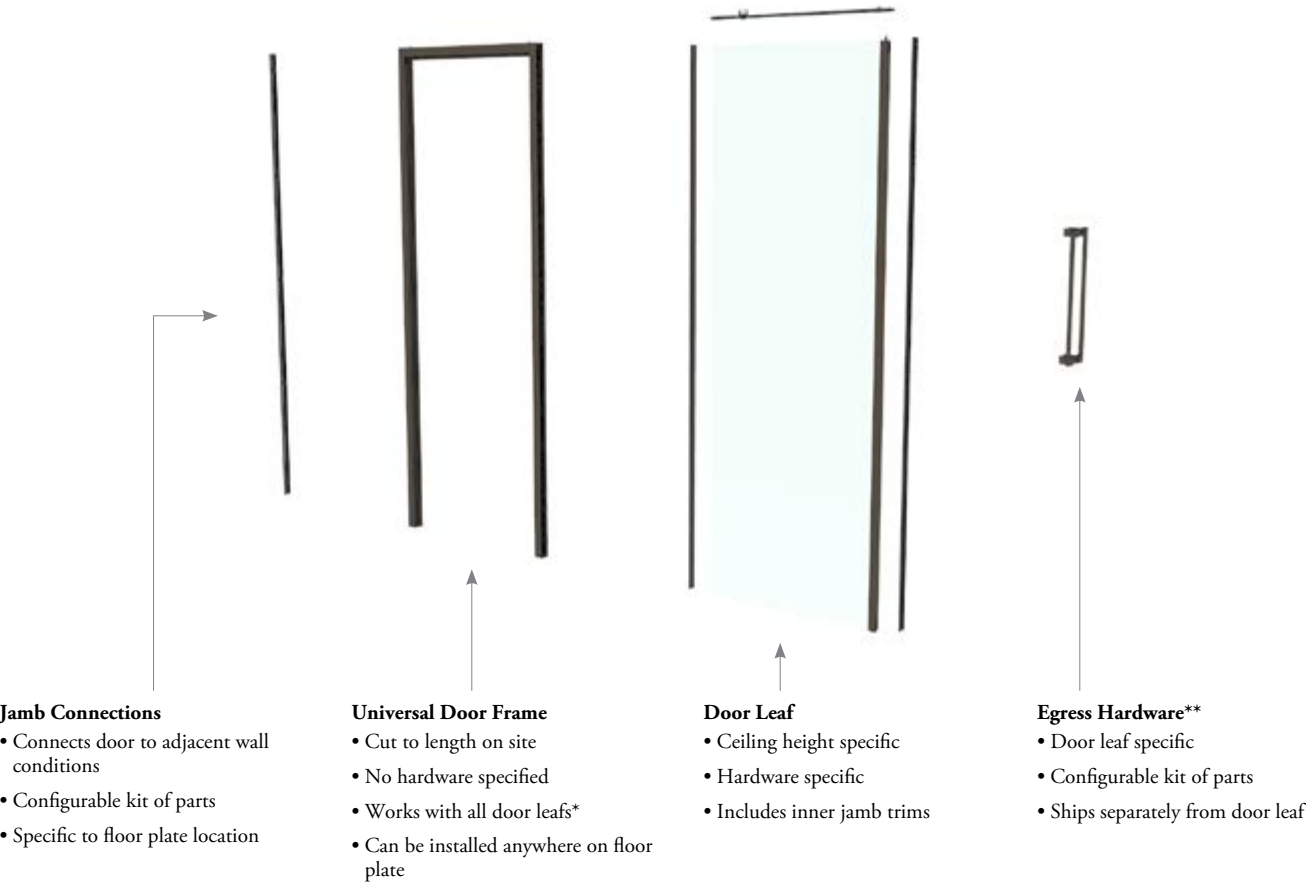
Each finished drywall surface cannot deviate more than +/- 1/4" from nominal position (max 10 ft height).

# door program – core concepts

The following describes the core concepts to consider when planning and specifying the Tek Vue Pivot and Barn door programs.

The Tek Vue door programs consists of the following discrete elements:

- Jamb Connections
- Universal Door Frames
- Door Leafs
- Egress Hardware

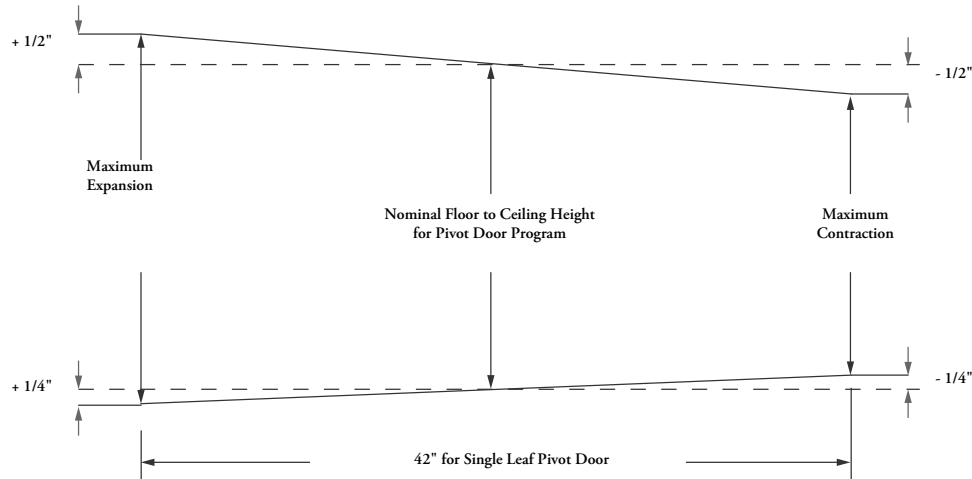


NOTE:  
\* Only within same door type (ie. pivot or barn)  
\*\* Egress hardware = Handles, Levers, Pulls and Patch Covers

# door program – planning considerations

The following describes the planning considerations for the pivot and barn door programs.

The diagram below explains the building accommodation range of Pivot Door Program to the nominal floor to ceiling height.



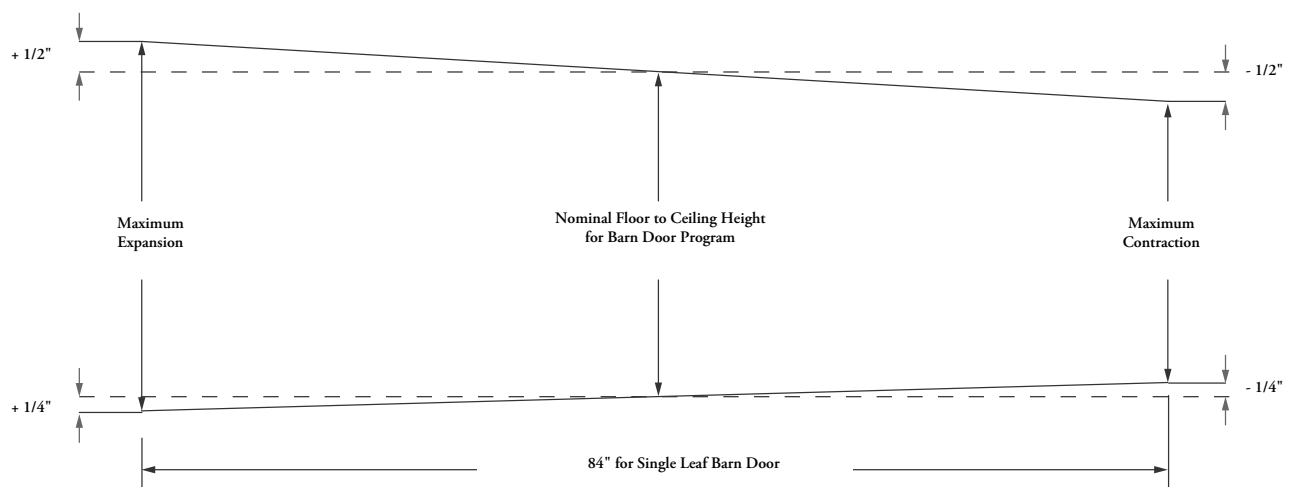
## Maximum Expansion - Floor to Ceiling

Finished floor to ceiling height cannot expand more than  $\frac{3}{4}$ " over span of a pivot door (+1/2" in ceiling, + 1/4" in floor).

## Maximum Contraction - Floor to Ceiling

Finished floor to ceiling height cannot contract more than  $\frac{3}{4}$ " over span of a pivot door (-1/2" in ceiling, -1/4" in floor).

The diagram below explains the building accommodation range of Barn Door Program to the nominal floor to ceiling height.



## Maximum Expansion - Floor to Ceiling

Finished floor to ceiling height cannot expand more than  $\frac{3}{4}$ " over span of a barn door (+1/2" in ceiling, + 1/4" in floor).

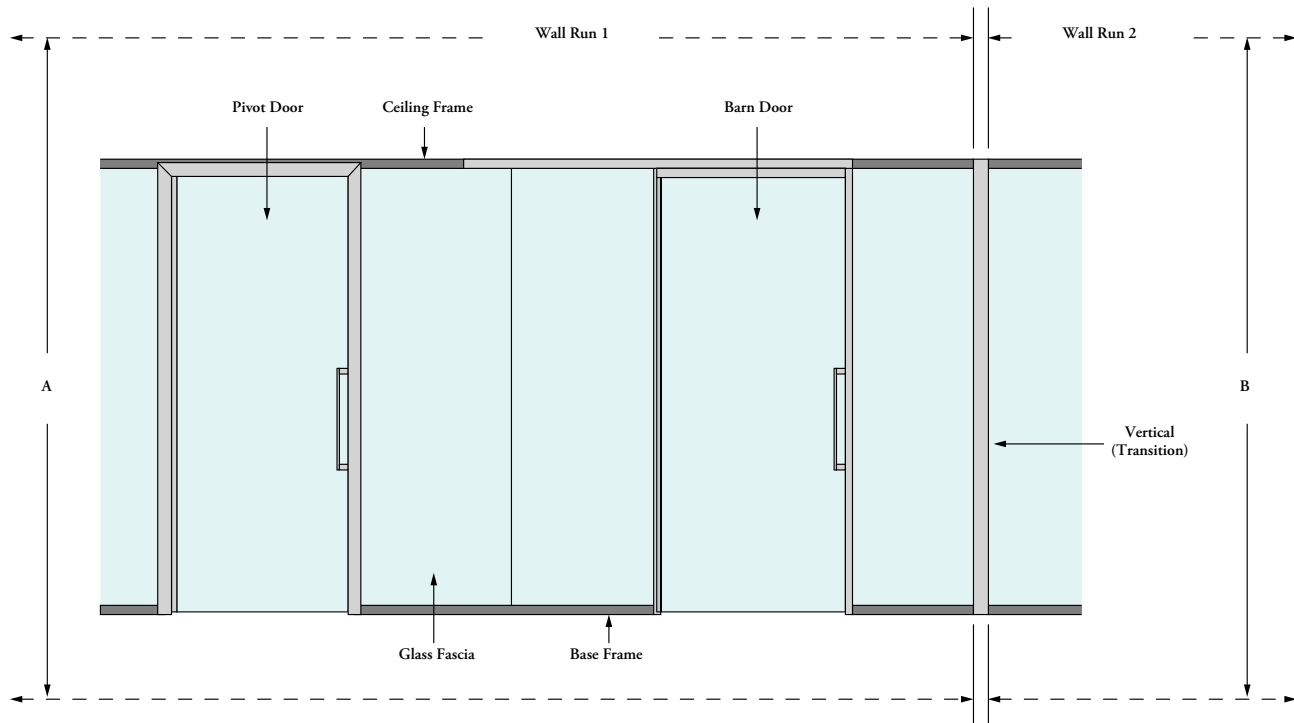
## Maximum Contraction - Floor to Ceiling

Finished floor to ceiling height cannot contract more than  $\frac{3}{4}$ " over span of a barn door (-1/2" in ceiling, -1/4" in floor).

## wall & door program – planning considerations

The rules and diagram below explain how the Wall Program and Door Program can be planned in relation to each other.

- A wall run continues through any door module. Any door module within the wall run has the same nominal height
- There can only be one glass fascia height per continuous wall run
- A continuous wall run can only be broken by a vertical (transition, wall start, etc.)
- Separate wall runs can have different nominal heights, if required



A = Nominal Height #1

B = Nominal Height #2



application guide

# application guide

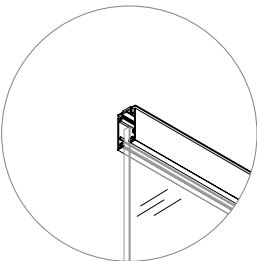
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# horizontal frames

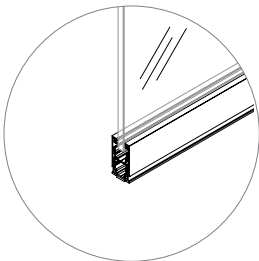
F V F C   Horizontal Ceiling Frame

Xpress



F V F B   Horizontal Base Frame

Xpress



## glass fascias & connectors

**F V G L A** Glass Fascia – 10mm  
Thickness

Xpress



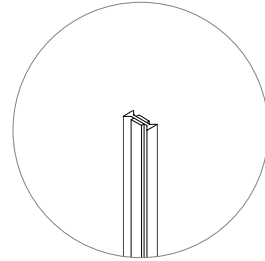
**F V G L B** Glass Fascia – 12mm  
Thickness

Xpress



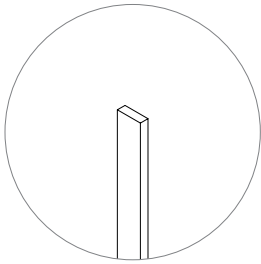
**F V G I P** Inline Clear Plastic Glass  
Connector

Xpress



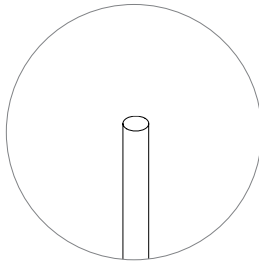
**F V G T C** Tape Glass Connector

Xpress



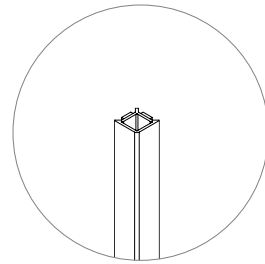
**F V G V P** Variable Angle Clear  
Plastic Glass Connector

Xpress



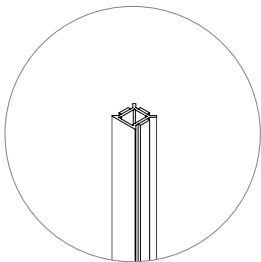
**F V G N P** 90° Clear Plastic Glass  
Connector

Xpress



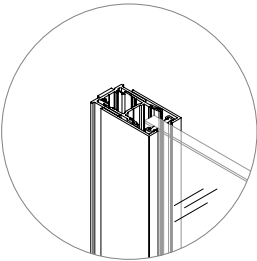
**F V G T P** Three-Way Clear Plastic  
Glass Connector

Xpress

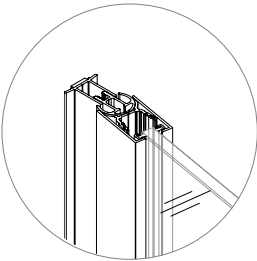


wall & door starts

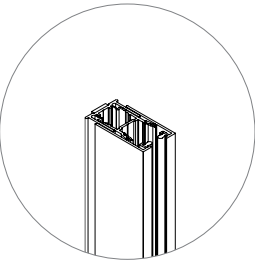
F V S W S Wall Start  
Xpress



F V S W A Articulating Wall Start  
Xpress

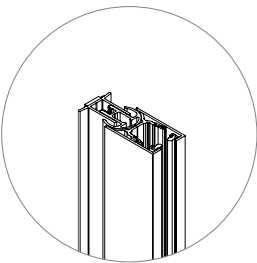


F V S D S Door Start  
Xpress



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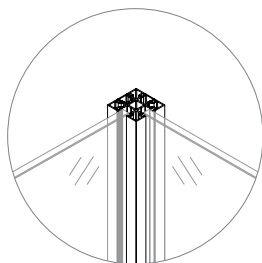
F V S D A Articulating Door Start  
Xpress



## wall transitions

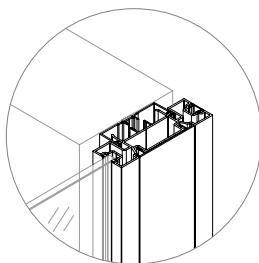
**F V T G C Glass Corner Transition**

Xpress



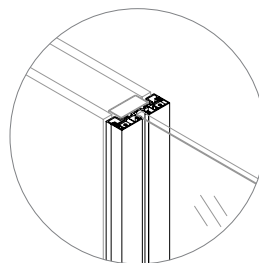
**F V T D F Drywall Fly-By Transition**

Xpress



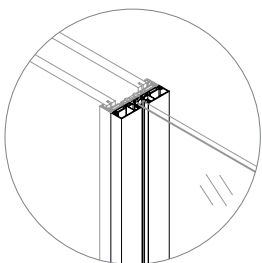
**F V T A I Altos Inline Transition**

Xpress



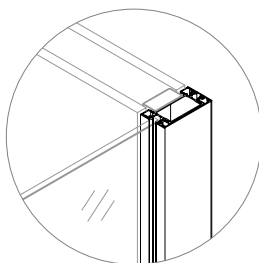
**F V T F I Focus Inline Transition**

Xpress



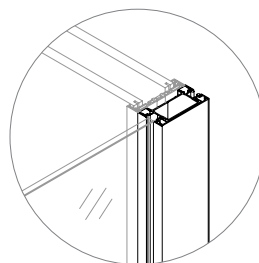
**F V T A C Altos Corner Transition**

Xpress



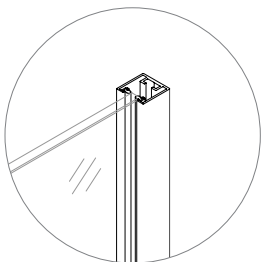
**F V T F C Focus Corner Transition**

Xpress



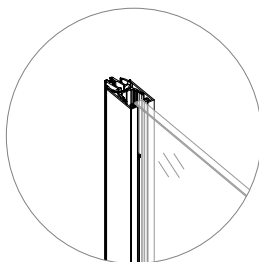
**F V T W E Wall End**

Xpress



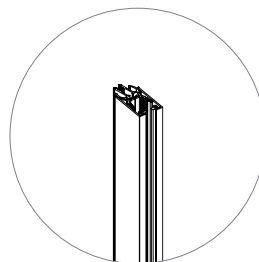
**F V T W A Articulating Wall Transition**

Xpress

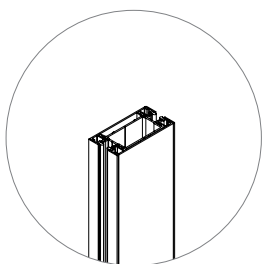


**F V T D A Articulating Door Transition**

Xpress



**F V T E P Electrical Side Post**



## doors

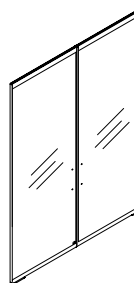
**F V D B N S** Frameless Barn Door  
Leaf Single  
**Xpress**



**F V D B S F** Framed Barn Door  
Leaf Single  
**Xpress**



**F V D B D F** Framed Barn Door  
Leaf Double  
**Xpress**



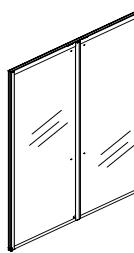
**F V D P S N** Frameless Pivot Door  
Leaf Single  
**Xpress**



**F V D P S F** Framed Pivot Door  
Leaf Single  
**Xpress**



**F V D P D F** Framed Pivot Door  
Leaf Double  
**Xpress**



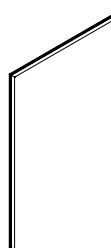
**F V D P S S** Solid Pivot Door Leaf  
Single



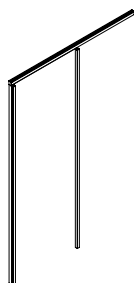
**F V D F S P** Universal Pivot Door  
Frame Single  
**Xpress**



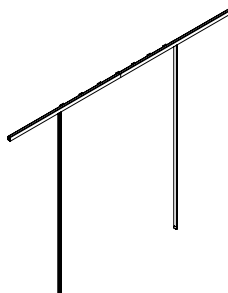
**F V D F P D** Universal Pivot Door  
Frame Double  
**Xpress**



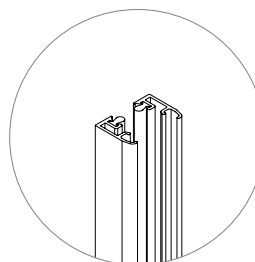
**F V D F S B** Universal Barn Door  
Frame Single  
**Xpress**



**F V D F B D** Universal Barn Door  
Frame Double  
**Xpress**



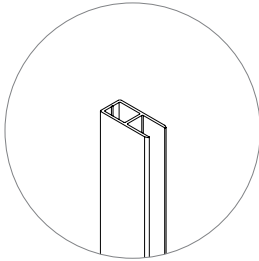
**F V D J P C** Pivot Door Jamb  
Connection  
**Xpress**



## doors (continued)

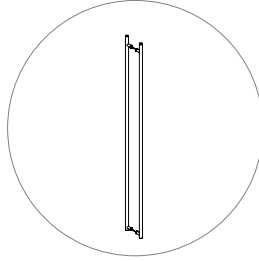
**F V D J B C** Barn Door Jamb  
Connection

**Xpress**



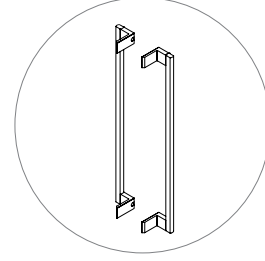
**F V D H L D** Door Hardware  
Ladder Pull

**Xpress**



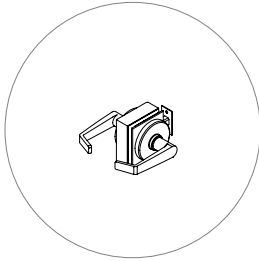
**F V D H L N** Door Hardware  
Linear Pull

**Xpress**



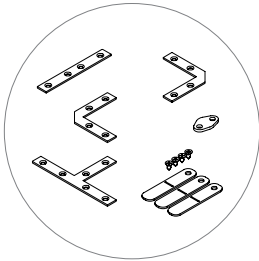
**F V D H A L** Door Hardware  
Schlage ALX Series

**Xpress**

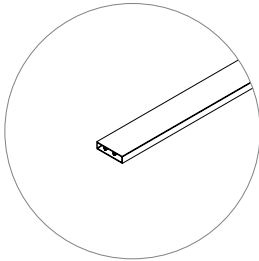


accessories & electrics

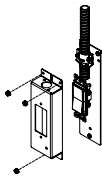
F V A S K   Splice Kit  
Xpress



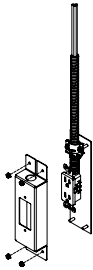
F V A C S   Ceiling Support  
Xpress



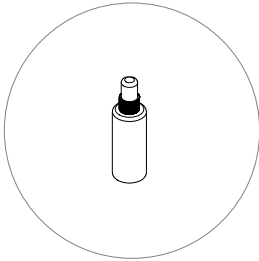
F V A L S   Low Profile Light Switch



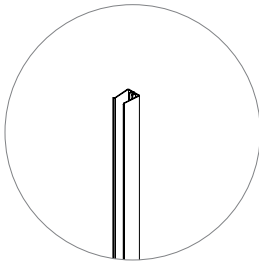
F V A R M   Low Profile Receptacle  
Module



F V A A K   Glass Applicator Kit  
Xpress



F V A F F   Frame Cut Fixture  
Xpress



F V K K   Control Key  
Xpress



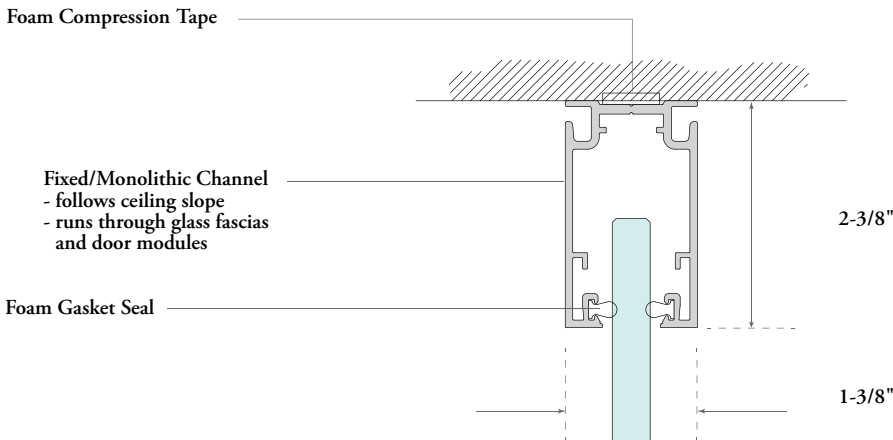




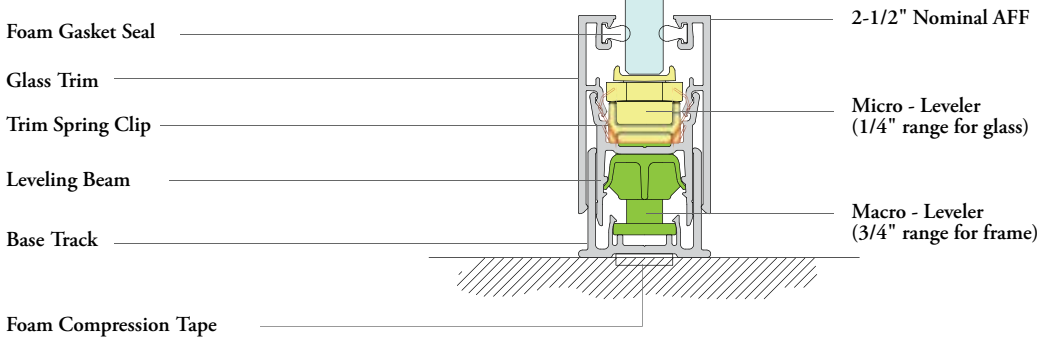
# horizontal frame overview

The following diagram describes the features and details of the ceiling and base frame components.

## ceiling frame



## base frame

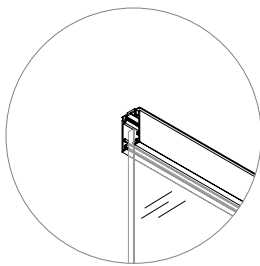


# horizontal frame basics

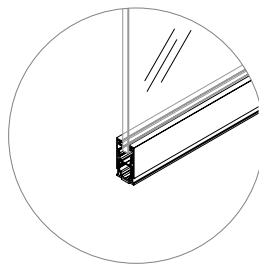
**Tek Vue horizontal frames consist of two discrete elements, Ceiling Frame and Base Frame.**



Glass Thickness: 10 or 12mm  
 Lengths: 36", 84", 121"  
 Finishes: Clear Anodized or Painted  
 Cut to size on site



**Horizontal Ceiling Frame (FVFC)**  
 Fixed ceiling frame for single center glass

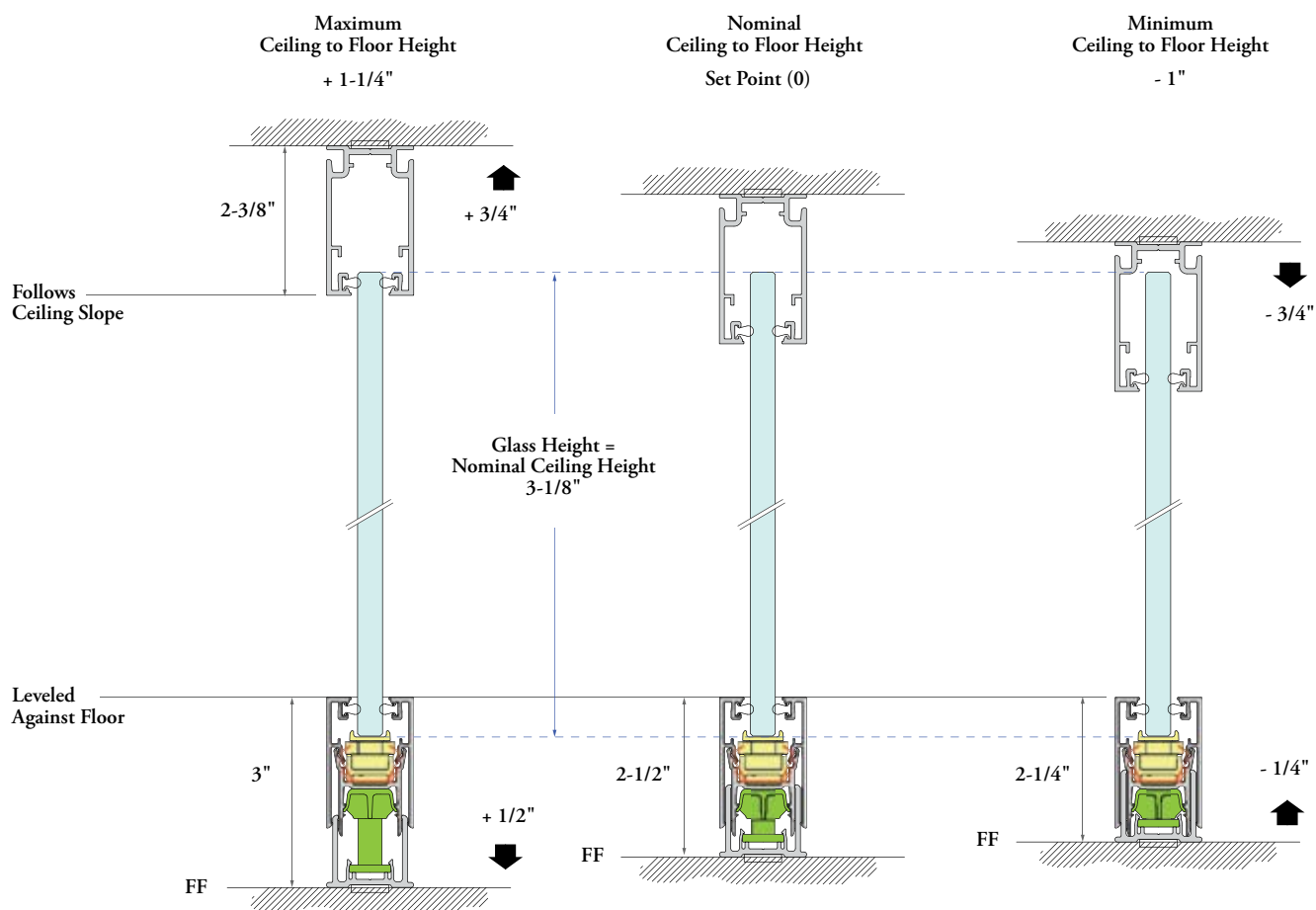


**Horizontal Base Frame (FVFB)**  
 Adjustable base frame for single center glass

## planning with horizontal frames

The following describes the floor to ceiling building accommodation provided by Tek Vue horizontal frames.

- If the site is in a constructed condition, the nominal floor to ceiling height is determined through site measurements and specification software
- Based on the nominal floor to ceiling height, base and ceiling frame have an overall building accommodation range of 2-1/4" (+1-1/4" / -1")



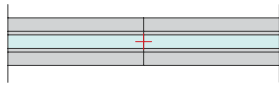
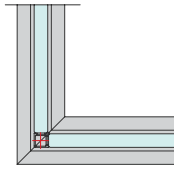
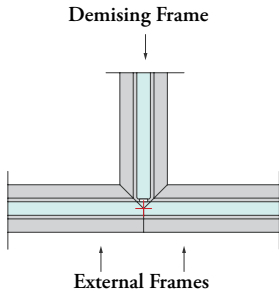
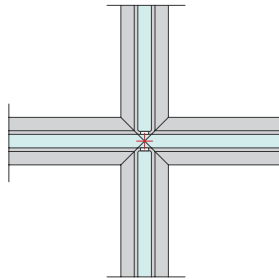
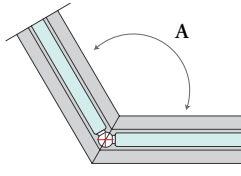
FF = Finished floor

- The ceiling frame follows the ceiling slope and has an overall range 1-1/2" (+3/4" / -3/4")
- The base frame is leveled against the floor and has an overall range of 3/4" (+1/2" / -1/4")

# planning with horizontal frames (continued)

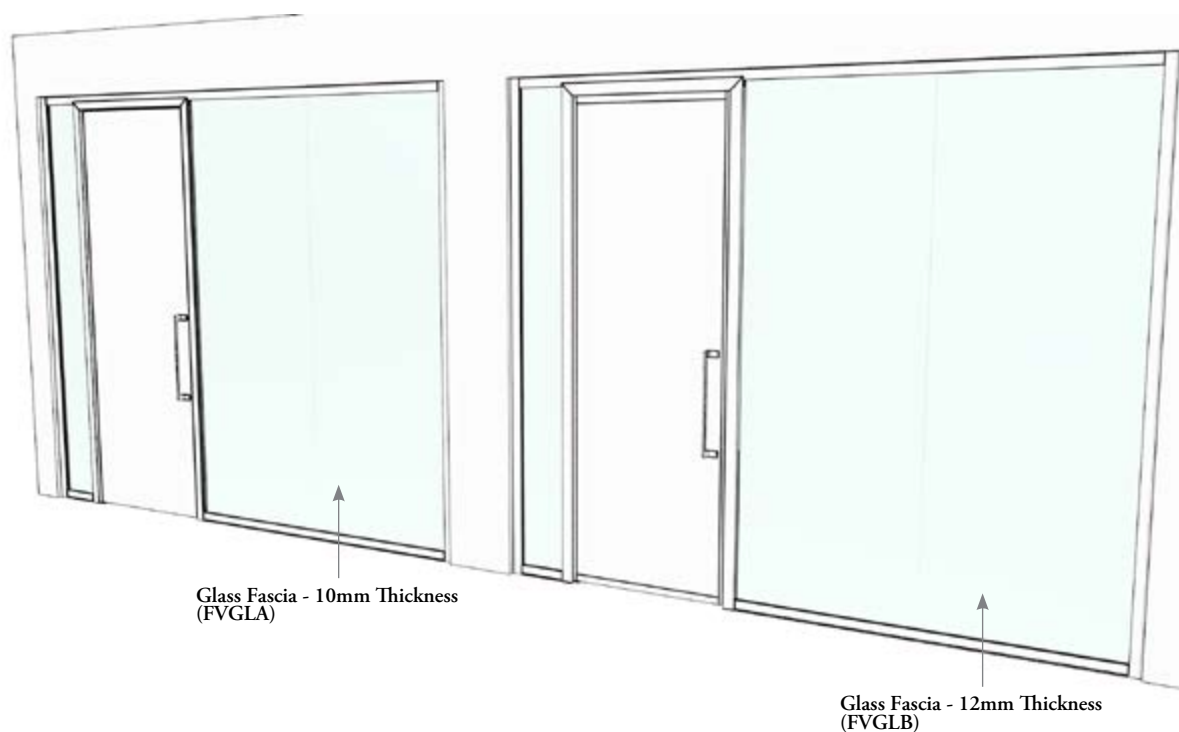
The following describes the type of cuts that are possible on site with horizontal frames.

- Cut restrictions refer to one single piece of framing on centerline reference (shown in red)
- When combining cut conditions on a single piece of framing, the smallest maximum value must be used (example, maximum frame cut length for inline to 90° is 119-1/2")

Cut Condition	Diagram	Cut Specification	Cut Restrictions*
Inline		None. Cut on site.	Min = 12" when used beside door frame Min = 14" in all other applications Max = 121"
90° Corner		None. Cut on site.	Min = 12" when used beside door frame Min = 14" in all other applications Max = 119-1/2"
Three-Way Corner		None. Cut on site.	External / Demising Frames: Min = 12" when used beside door frame Min = 14" in all other applications Max = 121"
Four-Way Corner		None. Cut on site.	Min = 12" when used beside door frame Min = 14" in all other applications Max = 121"
Variable Angle		None. Cut on site.	Min = 12" when used beside door frame Min = 14" in all other applications Max = 119-1/2" A = Min. 80° Only two variable angle joints per continuous run

## glass fascia basics

Tek Vue glass fascias consist of two discrete elements; 10mm or 12mm single centered glass.



- For single center glass application
- Type: Tempered or Laminated
- Finish: Clear or Clear Low Iron
- Height/Width Increments: Every 1/16"
- Two glass edge styles are available:
  - Straight on both sides
  - Mitered on one side and straight on one side



**Glass Fascia - 10mm Thickness (FVGLA)**

- 10mm monolithic glass fascia



**Glass Fascia - 12mm Thickness (FVGLB)**

- 12mm monolithic glass fascia

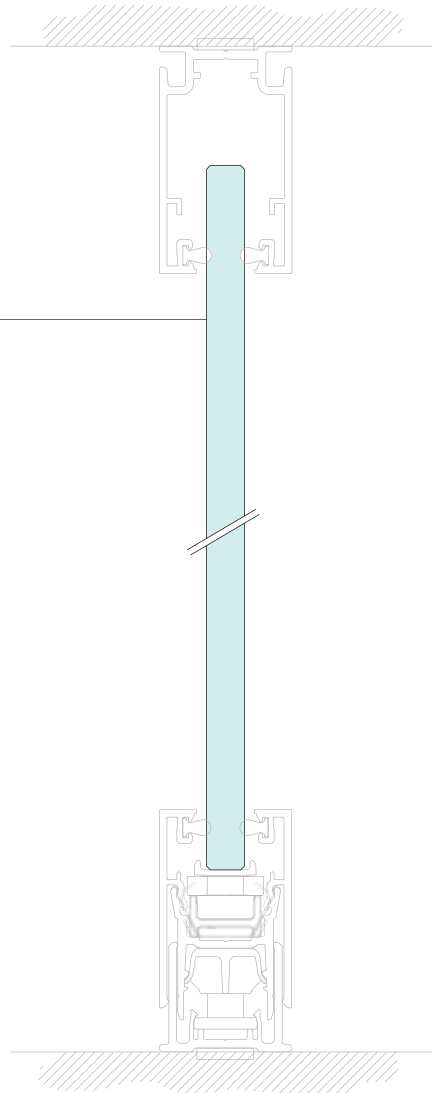
# application guide

## planning with glass fascias

Tek Vue 10mm and 12mm glass fascias consist of the following restrictions and limitations.

### Glass Fascia

- Fascia Height:
  - 80" - 117" for tempered 10/12mm
  - 80" - 117" for laminated 10/12mm
- Fascia Width:
  - 12" - 36" for straight edge both sides (10mm)
  - 12" - 36" for mitered one side (10mm)
  - 12" - 48" for straight edge both sides (12mm)
  - 12" - 48" for mitered one side (12mm)
- Glass Thickness
  - Glass thickness must be the same in a continuous run
  - Glass thickness must be the same in adjacent runs that share a common vertical transition
- Maximum Run:
  - 24' continuous run for 10mm
  - 36' continuous run for 12mm

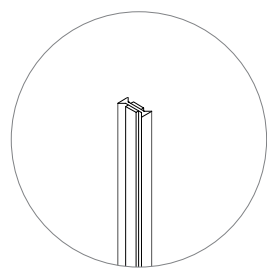
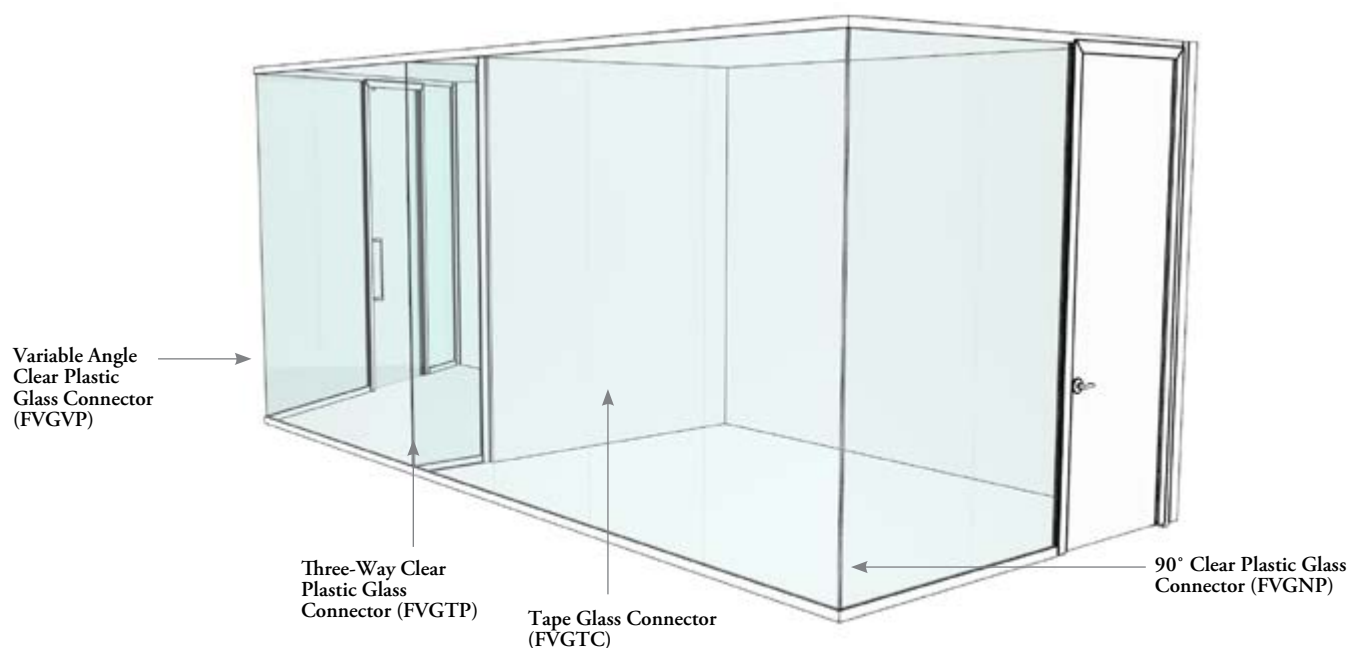


## glass connector basics

Tek Vue offers a variety of glass connectors for different applications in 10mm and 12mm glass.

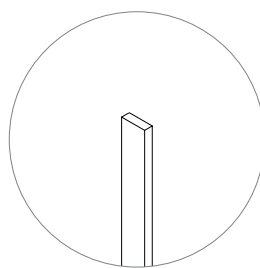
There are two main types of connectors offered

- Tape
- Clear Plastic



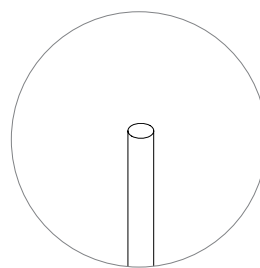
**Inline Clear Plastic Glass Connector (FVGIP)**

- Available for 10mm and 12mm glass



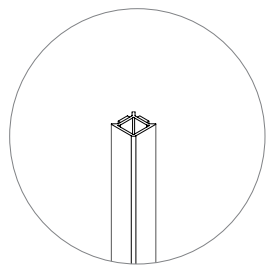
**Tape Glass Connector (FVGTC)**

- Available for 10mm and 12mm glass



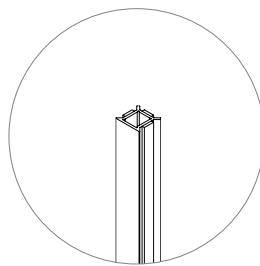
**Variable Angle Clear Plastic Glass Connector (FVGVP)**

- Available for 10mm and 12mm glass



**90° Clear Plastic Glass Connector (FVGNP)**

- Available for 10mm and 12mm glass



**Three-Way Clear Plastic Glass Connector (FVGTP)**

- Available for 10mm and 12mm glass

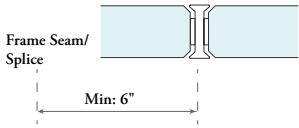
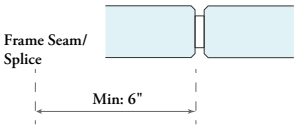
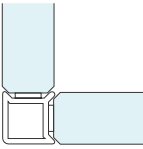
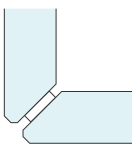
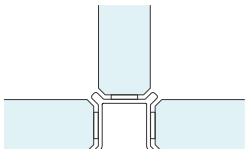
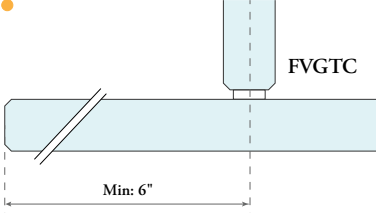
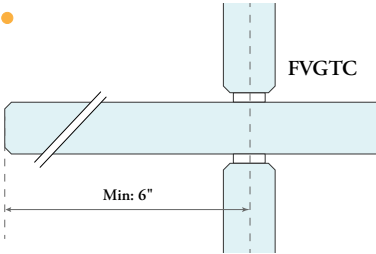
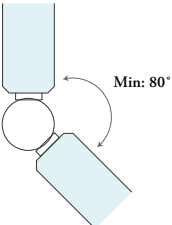
# application guide

## planning with glass connectors

The following should be considered when planning and specifying glass connectors.

Below describes the applications, features and restrictions of each glass connector type;

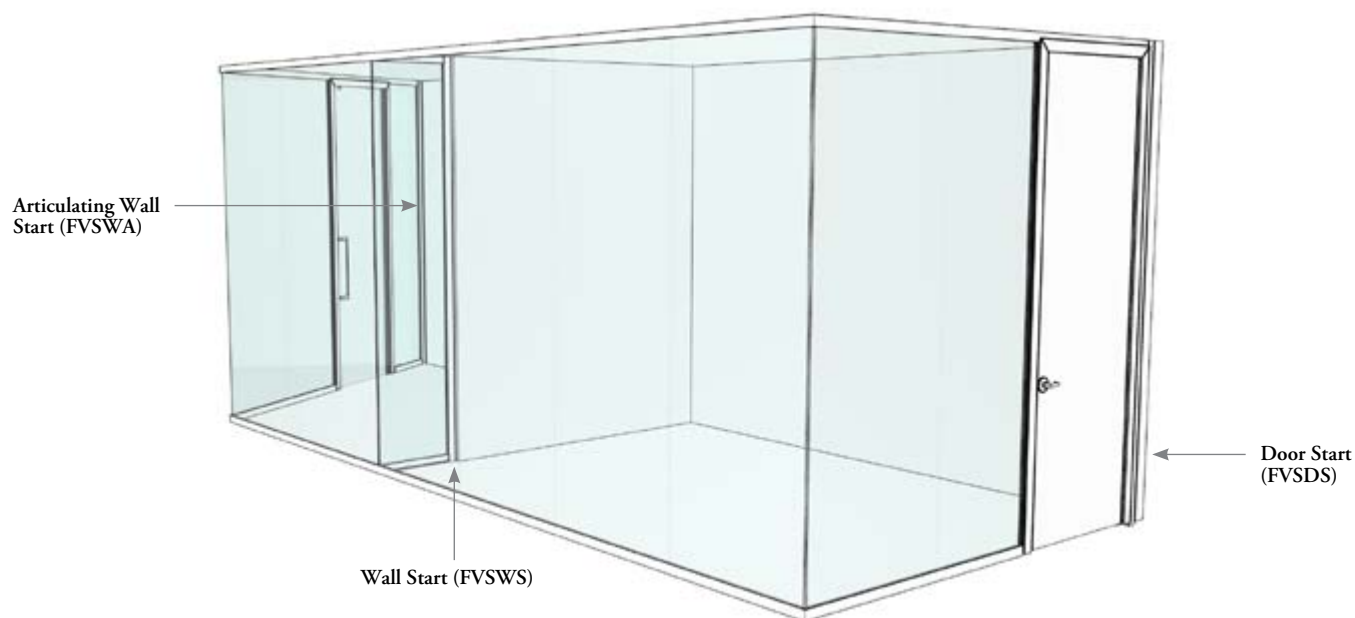
- \* There is only one inline connector type per continuous run
- \*\* Corner/variable angle connector types can be specified separately from inline connectors
- Connector is on-module with framing seams/joints
- Connector is off-module with framing seams/joints
- Connector is optimal for glass to glass install ease
- Connector is optimal for glass to framing install ease

	Clear Plastic (joined with tape)	Tape (2mm thick)
*  ■ ○ ●  <b>Inline</b>	□   Min: 6" FVGIP	□ ●   Min: 6" FVGTC
**  ■ ○  <b>90° Corner</b>	■ ○   FVGNP	■   FVGTC
**  ■ ○  <b>Three-Way Corner</b>	■ ○   FVGTP	□ ○ ●   Min: 6" FVGTC
**    <b>Four-Way Corner</b>	**    FVGTP	□ ○ ●   Min: 6" FVGTC
**  ■  <b>Variable Angle</b>	■   Min: 80° FGVVP	



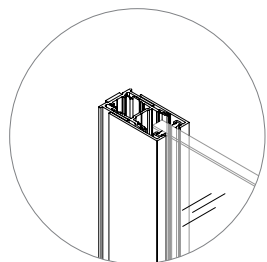
## wall & door start basics

Tek Vue offers wall and door starts which can be perpendicular or articulated in reference to the base building.



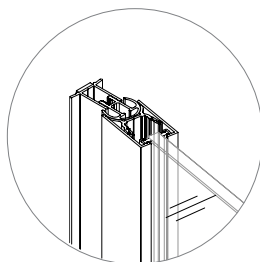
Finishes: Clear Anodized or Painted

Cut to size on site (up to 120" nominal ceiling height)



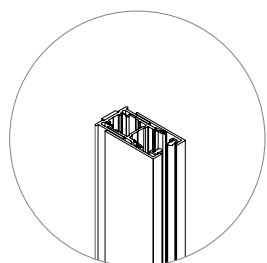
### Wall Start (FVSW)

- Adjustable, perpendicular wall start for monolithic single centered glass fascias against the base building
- Glass Thickness: 10mm or 12mm



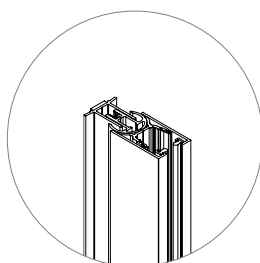
### Articulating Wall Start (FVSWA)

- Adjustable, articulating wall start for monolithic single centered glass fascias against the base building
- Glass Thickness: 10mm or 12mm



### Door Start (FVSD)

- Adjustable, perpendicular door start for pivot or barn doors against the base building



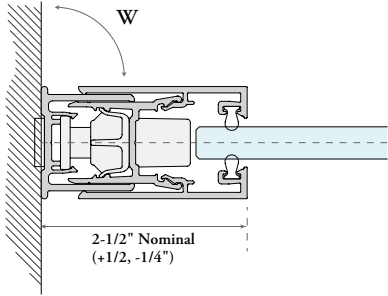
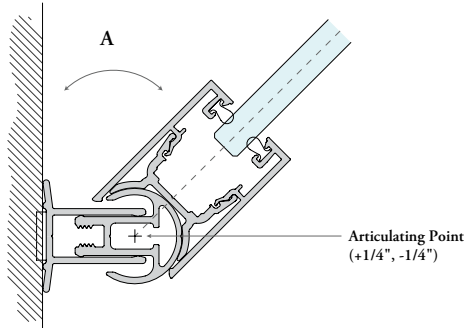
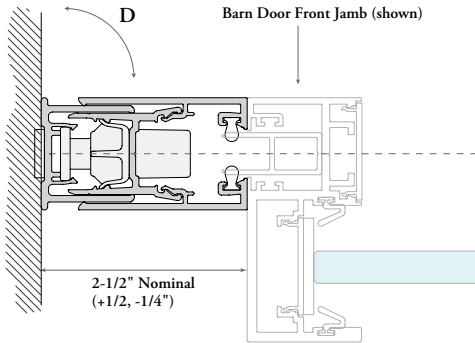
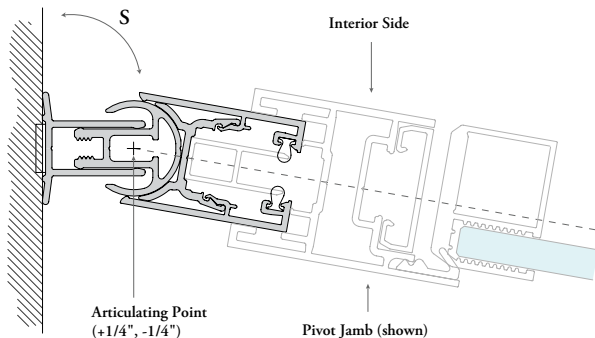
### Articulating Door Start (FVSDA)

- Adjustable, articulating door start for pivot or barn doors against the base building

# application guide

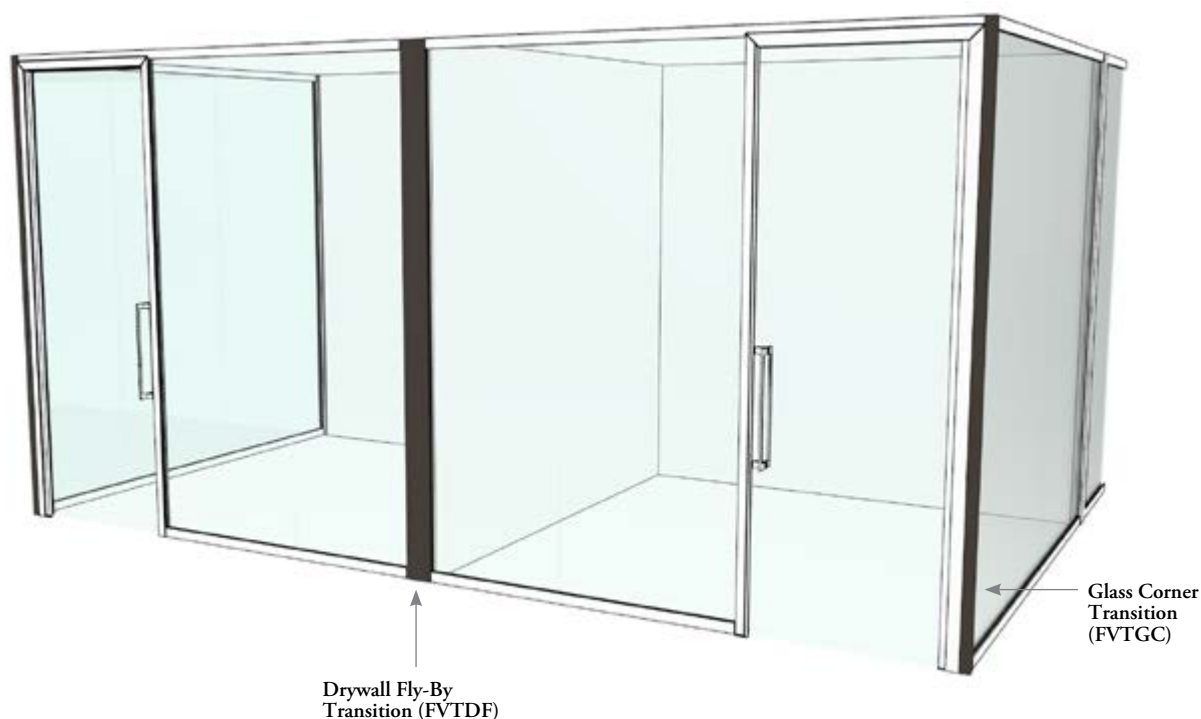
## planning with wall & door starts

Below describes the applications, features and restrictions of wall and door starts.

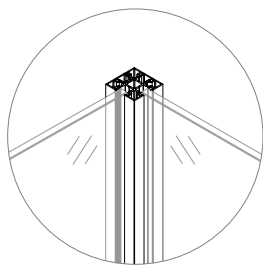
<b>Wall Start (FVSW)</b>		<p>W: 90°</p>
<b>Articulating Wall Start (FVSWA)</b>		<p>A: 45° - 135°</p>
<b>Door Start (FVSDS)</b>		<p>D: 90°</p> <p>Pivot Door Integration:</p> <ul style="list-style-type: none"> <li>- Strike Jamb - Applicable</li> <li>- Pivot Jamb - Applicable</li> </ul> <p>Barn Door Integration:</p> <ul style="list-style-type: none"> <li>- Front Jamb - Applicable</li> </ul>
<b>Articulating Door Start (FVSDA)</b>		<p>S: 90°-110° (interior)</p> <p>Pivot Door Integration:</p> <ul style="list-style-type: none"> <li>- Strike Jamb - Applicable*</li> <li>- Pivot Jamb - Applicable</li> </ul> <p>Barn Door Integration:</p> <ul style="list-style-type: none"> <li>- Front Jamb - Applicable*</li> </ul> <p>* Depending on drywall condition</p>

## glass & drywall transition basics

The following outlines transitions that can be applied to glass and drywall.

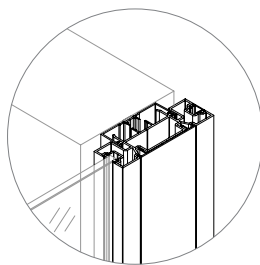


- Glass Thickness: 10mm or 12mm
- Finishes: Clear Anodized or Painted
- Cut to size on site (up to 120" nominal ceiling height)



### Glass Corner Transition (FVTGC)

- Corner transition for monolithic single centered glass fascias and doors
- Can be used to break run or simplify on-site cut conditions for horizontal frames
- Available configurations;
  - Inline,
  - 90°
  - Three-Way,
  - Four-Way,

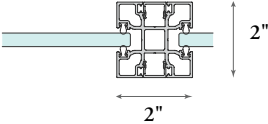
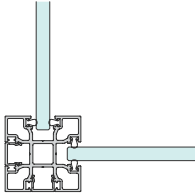
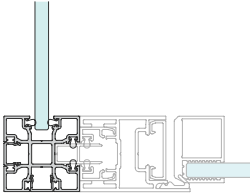
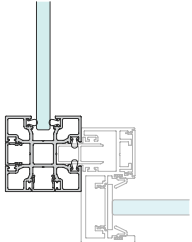
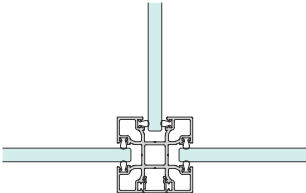
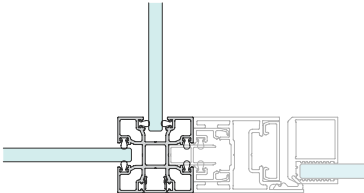
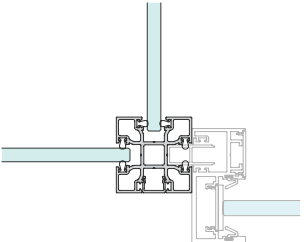
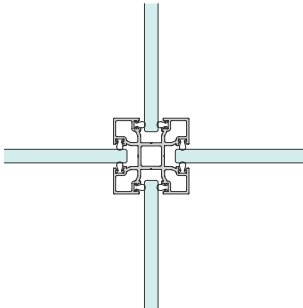
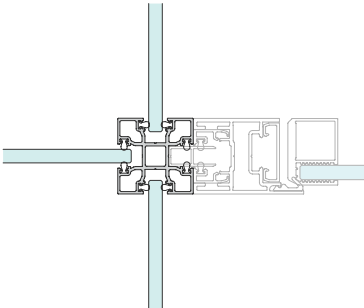
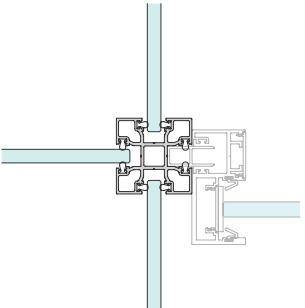


### Drywall Fly-By Transition (FVTDF)

- Adjustable transition for monolithic single centered glass storefront directly against demising drywall
- Can accommodate drywall up to 6" nominal thickness
- Available configurations;
  - Inline
  - 90°
- Receptacle cut out option

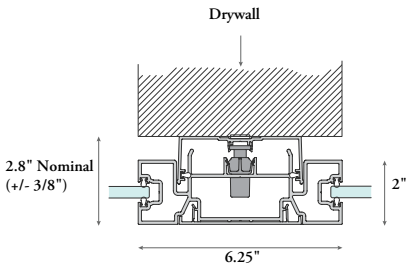
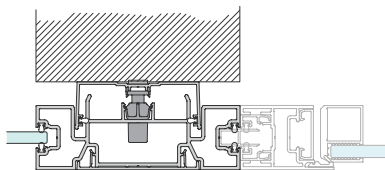
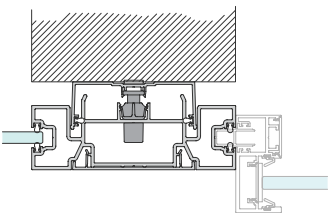
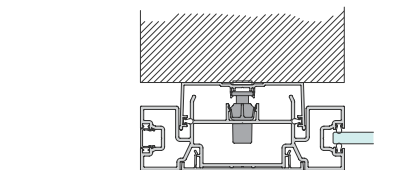
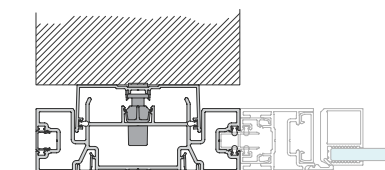
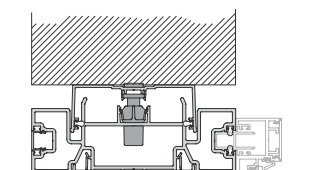
# planning with glass corner transitions

The following describes the main conditions that are possible with the glass corner transition.

	Glass	Pivot Door	Barn Door
Glass Corner Transition, Inline (FVTGC)			
Glass Corner Transition, 90° (FVTGC)		 Door can be applied to one side only	 Door can be applied to one side only
Glass Corner Transition, Three-Way (FVTGC)		 Door can be applied to both sides of storefront if necessary	 Door can be applied to both sides of storefront if necessary
Glass Corner Transition, Four-Way (FVTGC)		 Door can be applied to both sides if required	 Door can be applied to both sides if required

planning with drywall fly-by transitions

The following describes the main conditions that are possible with the drywall fly-by transition.

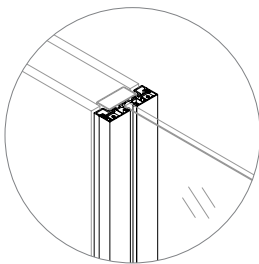
	Glass	Pivot Door	Barn Door
Drywall Fly-By Transition, Inline (FVTDF)		 <p>Door can be applied to both sides of storefront if necessary</p>	 <p>Door can be applied to both sides of storefront if necessary</p>
Drywall Fly-By Transition, 90° (FVTDF)		 <p>Door can be applied to one side only</p>	 <p>Door can be applied to one side only</p>

# altos & focus transition basics

The following outlines transitions that can be applied to Altos and Focus wall programs.

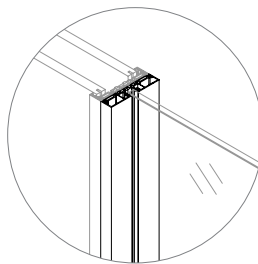


- Glass Thickness: 10mm or 12mm
- Finishes: Clear Anodized or Painted
- Cut to size on site (up to 120" nominal ceiling height)



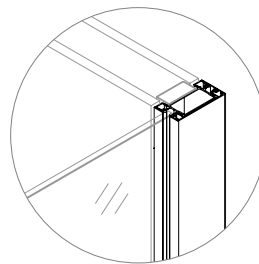
## Altos Inline Transition (FVTAI)

- Inline transition for monolithic single centered glass fascia to Altos wall



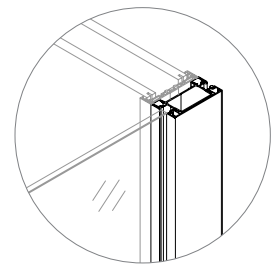
## Focus Inline Transition (FVTFI)

- Inline transition for monolithic single centered glass fascia to Focus wall



## Altos Corner Transition (FVTAC)

- Corner transition for monolithic single centered glass storefront directly against demising Altos wall
- Available configurations;
  - 90°
  - Three-Way
- Receptacle cut out option



## Focus Corner Transition (FVTFC)

- Corner transition for monolithic single centered glass storefront directly against demising Focus wall
- Available configurations;
  - 90°
  - Three-Way
- Receptacle cut out option

application guide

planning with altos transitions

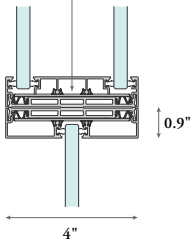
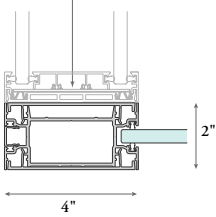
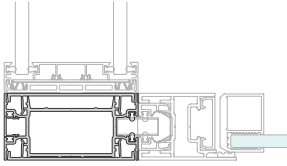
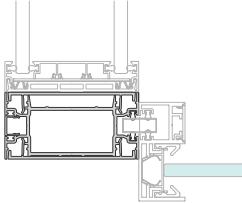
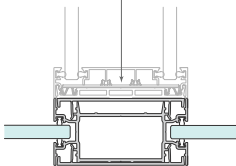
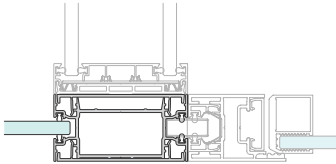
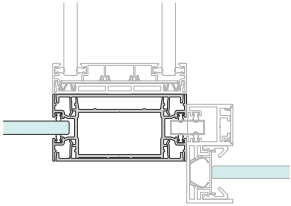
The following describes the main conditions that are possible with Altos inline and corner transitions.

Altos side of transition can be planned with solid (portrait/landscape), clerestory or any door type if required.

	Glass	Pivot Door	Barn Door
Altos Inline Transition (FVTAI)		<p>Altos can be applied to both sides of pivot door</p>	<p>Can be applied to front and back jamb</p>
Altos Corner Transition, 90° (FVTAC)		<p>Door can be applied to one side only</p>	<p>Door can be applied to one side only</p>
Altos Corner Transition, Three-Way (FVTAC)		<p>Door can be applied to both sides of storefront if necessary</p>	<p>Door can be applied to both sides of storefront if necessary</p>

# planning with focus transitions

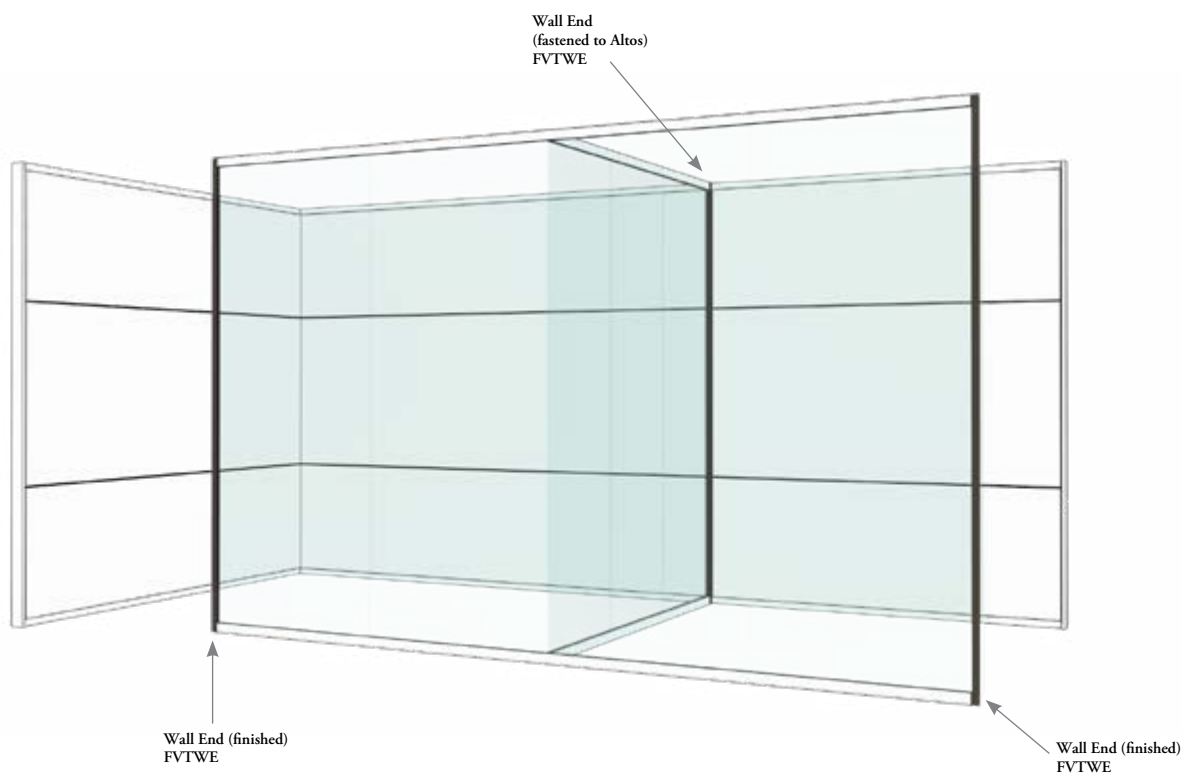
The following describes the main conditions that are possible with Focus inline and corner transitions.

	Glass	Pivot Door	Barn Door
Focus Inline Transition (FVTFI)	<p>Focus Wall End (solid only)</p>  <p>4"</p> <p>0.9"</p>		
Focus Corner Transition, 90° (FVTFC)	<p>Focus Wall End (solid or double glazed)</p>  <p>4"</p> <p>2"</p>	 <p>Door can be applied to one side only</p>	 <p>Door can be applied to one side only</p>
Focus Corner Transition, Three-Way (FVTFC)	<p>Focus Wall End (solid or double glazed)</p>  <p>4"</p> <p>2"</p>	 <p>Door can be applied to both sides of storefront if necessary</p>	 <p>Door can be applied to both sides of storefront if necessary</p>

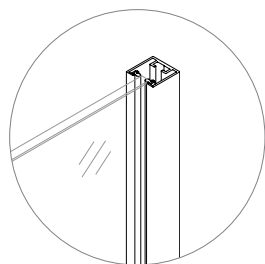


## wall end transition basics

The following outlines transitions that can be used in wall end applications



- Glass Thickness: 10mm or 12mm
- Finishes: Clear Anodized or Painted
- Cut to size on site (up to 120" nominal ceiling height)



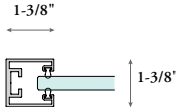
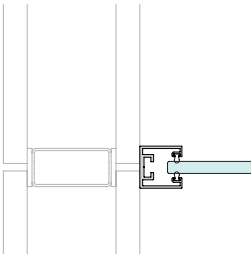
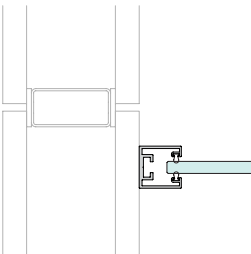
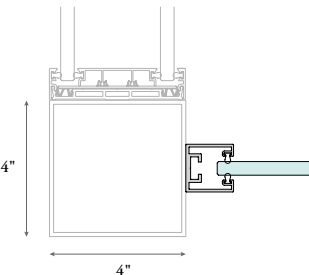
### Wall End (FVTWE)

- Wall end transition for monolithic single centered glass fascias
- Not to be used against drywall
- Available configurations;
  - finished Wall End
  - fastened to Altos,
  - fastened to Focus

application guide

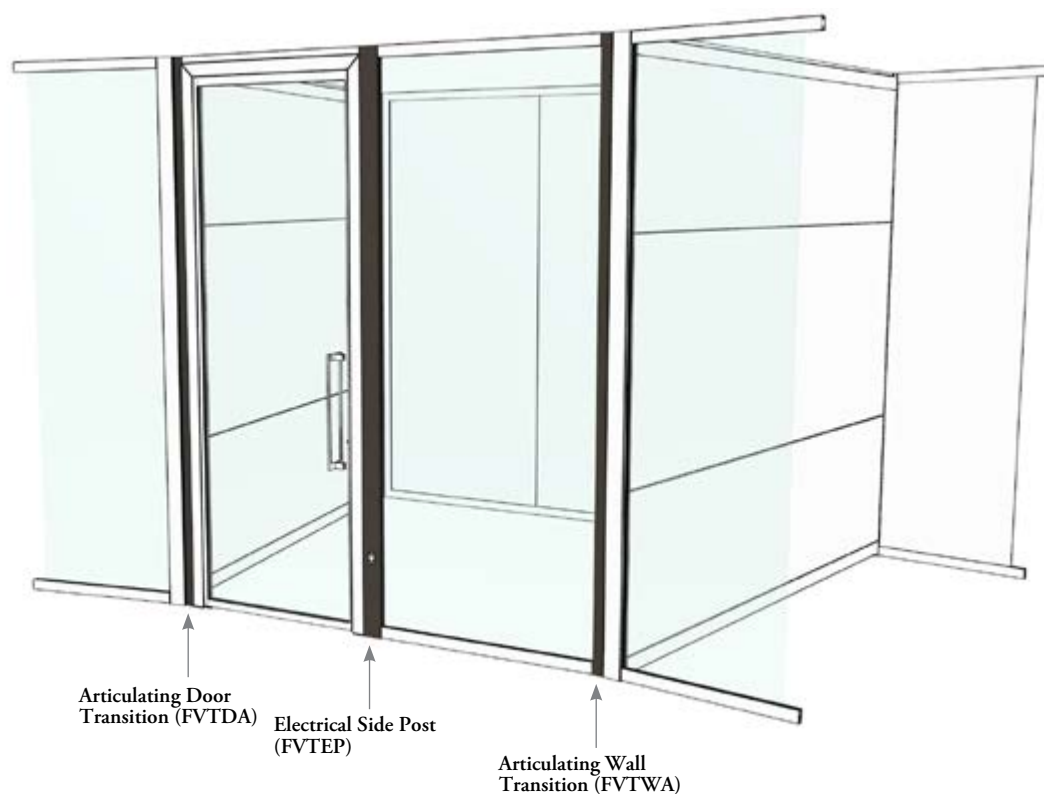
planning with wall end transitions

The following describes the conditions that are possible with the wall end transition.

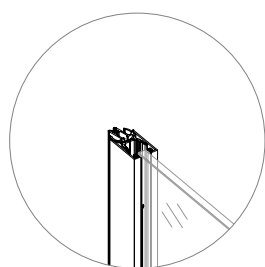
	Finished End	Fastened to Altos		Fastened to Focus
Wall End (FVTWE)		 On Module	 Off Module	 4"
Restrictions		<b>Portrait / Landscape</b> Can be planned with Solid, Fabric Wrapped and Microperforated fascias <i>(secured via vertical reveal)</i>	<b>Portrait</b> Can be planned with Solid and Fabric Wrapped fascias <i>(secured via fascia substrate)</i> <b>Landscape</b> Can be planned with Solid, Fabric Wrapped and Microperforated fascias <i>(secured via horizontal reveals only)</i>	Can be planned with Focus Corner Transition (FWTCD)

## articulating & electrical transition basics

The following outlines transitions for articulating and electrical applications.

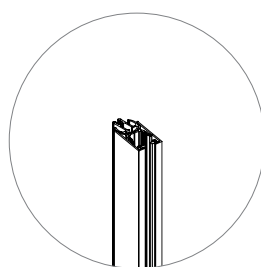


- Finishes: Clear Anodized or Painted
- Cut to size on site (up to 120" nominal ceiling height)



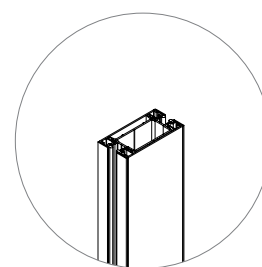
### Articulating Wall Transition (FVTWA)

- Articulating transition for monolithic single centered glass fascia
- Glass Thickness: 10mm or 12mm



### Articulating Door Transition (FVTDA)

- Articulating transition for pivot or barn door



### Electrical Side Post (FVTEP)

- Electrical post used inline with pivot or barn door
- Glass Thickness: 10mm or 12mm
- Light Switch or Receptacle cutout option

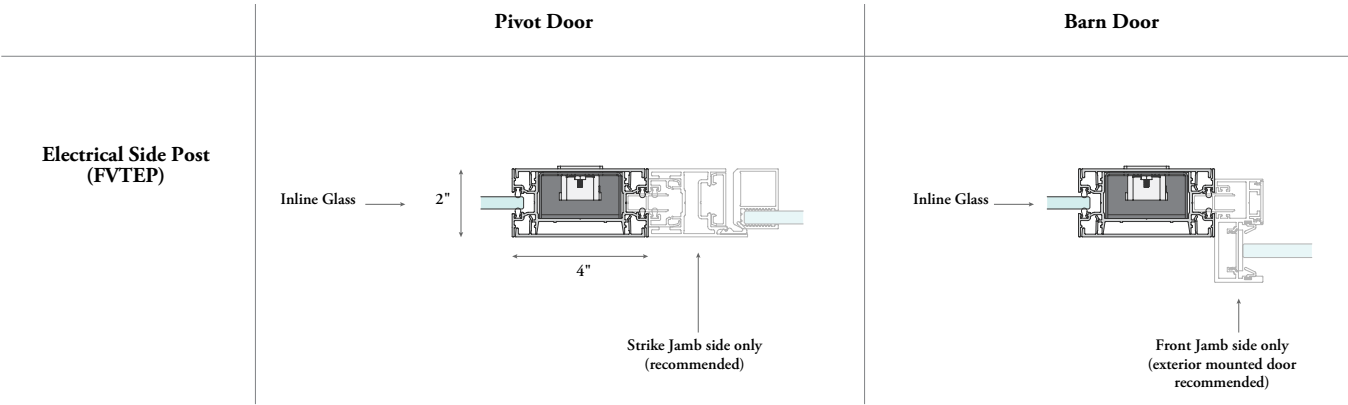
# planning with articulating transitions

The following describes the conditions that are possible with articulating wall and door transitions.

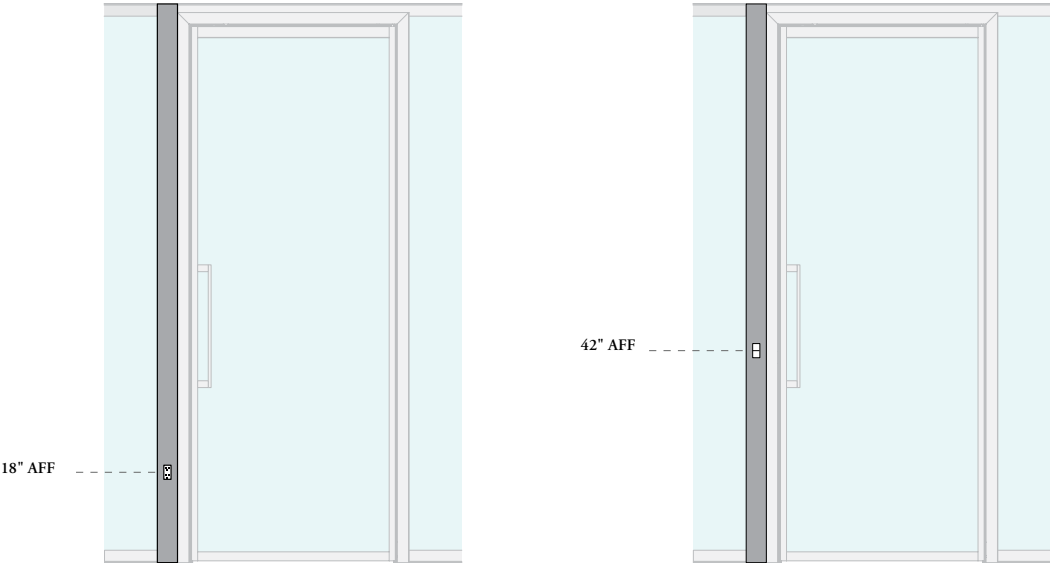
	Articulating Wall Transition (FVTWA)	Articulating Door Transition (FVTDA)
Glass Corner Transition (FVTGC)		
Drywall Fly By Transition (FVTDF)		
Altos Corner Transition (FVTAC)		
Focus Corner Transition (FVTFC)		
	<p>W: 70° - 110° (interior)</p> <p>Articulating wall transition can be applied to both sides of storefront if necessary</p> <p>Articulating wall transition can be applied to all sides of Glass Corner Transition (FVTGC) if necessary</p>	<p>D: 90° - 110° (interior)</p> <p>Pivot Door Integration:</p> <ul style="list-style-type: none"> <li>- Strike Jamb - Applicable</li> <li>- Pivot Jamb - Applicable</li> </ul> <p>Barn Door Integration:</p> <ul style="list-style-type: none"> <li>- Front Jamb - Applicable</li> </ul> <p>Articulating door transition can be applied to both sides of storefront if necessary</p>

planning with electrical transitions

The following describes the conditions that are possible with the electrical side post.



Below describes the electrical cut out options offered in the electrical side post.

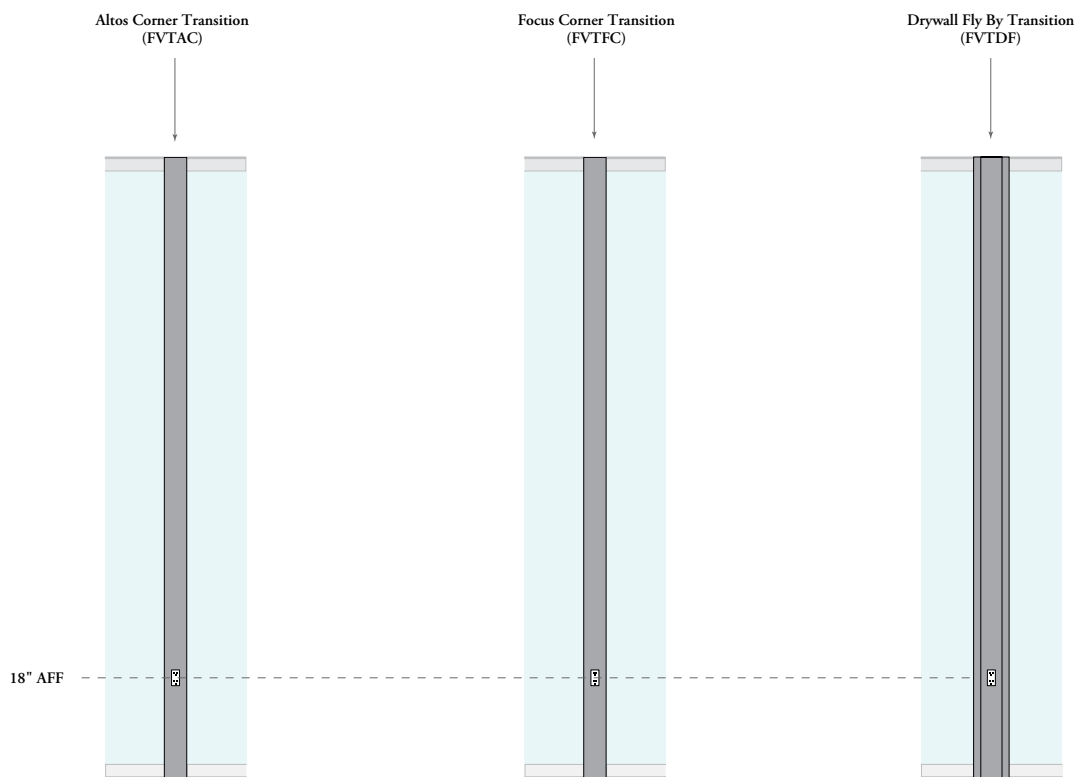


- Receptacle Module Cut Out**
- Can be oriented on interior or exterior
  - Opening is always factory cut
  - Low Profile Receptacle Module (FVARM) specified separately

- Light Switch Cut Out**
- Can only be oriented on interior
  - Opening is always factory cut
  - Low Profile Light Switch (FVALS) specified separately

# planning with electrical transitions (continued)

The following describes the additional electrical cut out options offered in other transitions.



## Receptacle Module Cut Out

- Opening is always factory cut
- Electrics oriented towards exterior
- Low Profile Receptacle Module (FVARM) specified separately

## pivot door program basics

The pivot door program consists of the following discrete elements.



- Ceiling Height: 86"-120", in 1/16" increments
- Door Swing: Left or Right
- Hardware Prep: Linear Pull, Ladder Pull or Schlage ALX Series
- Stile and Trim Finish: Clear Anodized or Painted



### Frameless Pivot Door Leaf Single (FVDPSN)

- 10mm frameless glass single leaf pivot door with 1-3/4" pivot stile
- Includes inner jamb and header trims
- Available in 40" and 42" nominal widths with clear openings of 35-7/8" and 37-3/8" respectively
- Bottom seal not available
- Hold-Open Closer not available
- Optional Hidden Closer
- Doors without Closer or with Hidden Closer will be supplied with Magnetic Door Stop
- Glass Type: Tempered only
- Glass Finish: Clear or Clear Low Iron



### Framed Pivot Door Leaf Single (FVDPSF)

- 1-3/4" framed single leaf pivot door with 10mm glass insert
- Includes inner jamb and header trims
- Available in 40" and 42" nominal widths with clear openings of 35-7/8" and 37-3/8" respectively
- Optional Drop Seal
- Optional Hold-Open Closer or Hidden Closer
- Doors without Closer or with Hidden Closer will be supplied with Magnetic Door Stop
- Doors with Hold-Open Closer will be supplied with Round Door Stop
- Glass Type: Tempered only
- Glass Finish: Clear or Clear Low Iron
- Optional kickplate



### Solid Pivot Door Leaf Single (FVDPS)

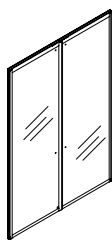
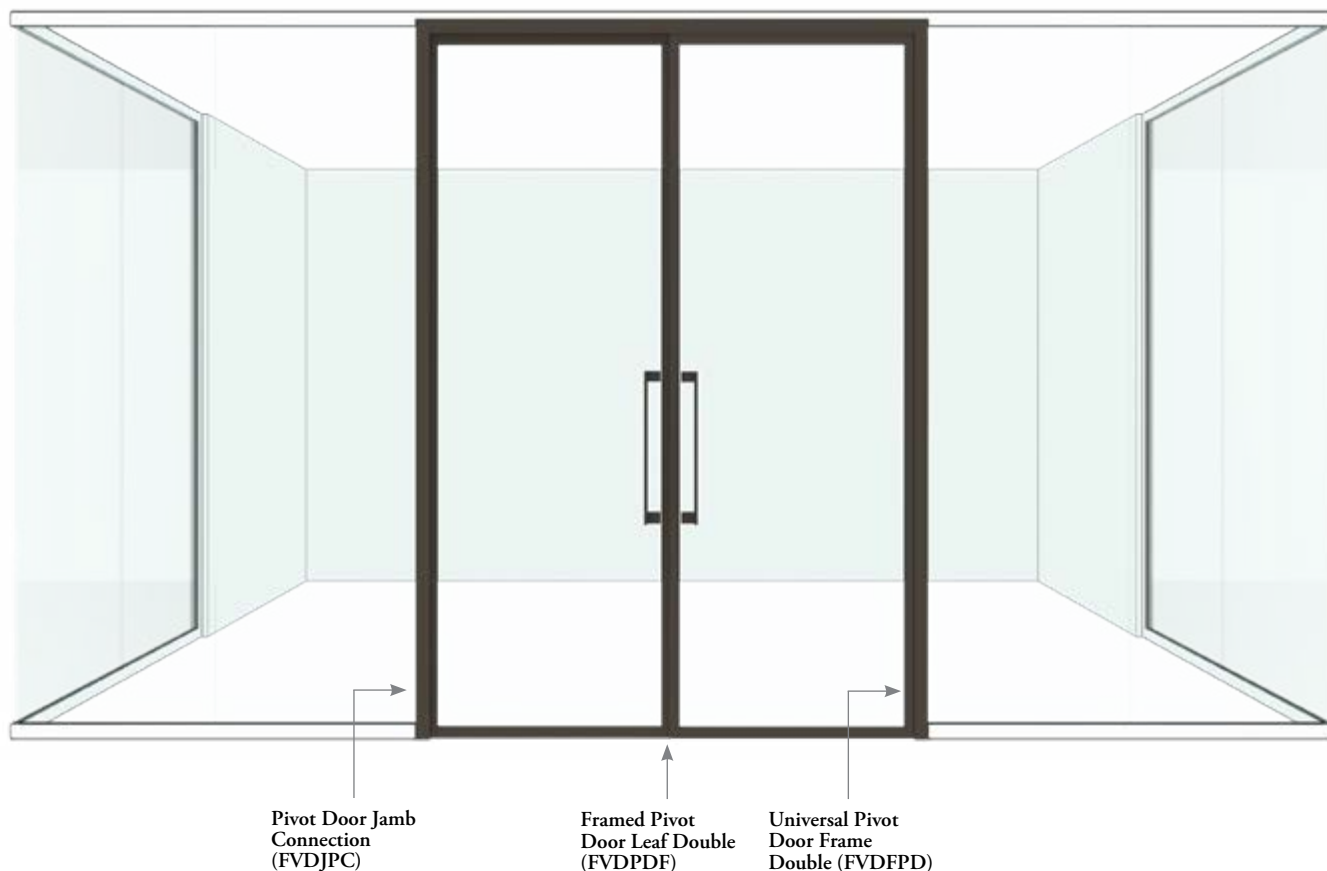
- Solid single leaf pivot door with 1-3/4" pivot stile
- Includes inner jamb and header trims
- Available in 40" and 42" nominal widths with clear openings of 35-7/8" and 37-3/8" respectively
- Optional Brush Seal
- Optional Hold-Open Closer or Hidden Closer
- Doors without Closer or with Hidden Closer will be supplied with Magnetic Door Stop
- Doors with Hold-Open Closer will be supplied with Round Door Stop
- Laminate, Flintwood or Veneer finish



### Universal Pivot Door Frame Single (FVDFSP)

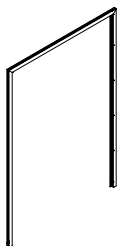
- Universal pivot door frame works with any single pivot door leaf type, cut to height on site and is not specific to hardware or orientation
- Mitered frame consists of two jambs and one header
- 40" and 42" nominal widths
- Finishes: Clear Anodized or Painted

# pivot door program basics (continued)



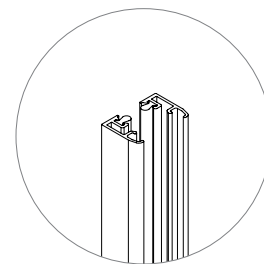
## Framed Pivot Door Leaf Double (FVDPDF)

- 1-3/4" framed double leaf pivot door with 10mm glass insert
- Includes inner jamb and header trims
- Available in 78" and 84" nominal widths with clear openings of 69-7/16" and 75-7/16" respectively
- Optional Brush Seal
- Optional Hold-Open Closer or Hidden Closer (included on both leafs)
- Glass Type: Tempered only
- Glass Finish: Clear or Clear Low Iron
- Includes Door Stop
- Optional kickplate
- Active right hand leaf, inactive leaf
- Doors without Closer or with Hidden Closer will be supplied with Magnetic Door Stop
- Doors with Hold-Open Closer will be supplied with Round Door Stop



## Universal Pivot Door Frame Double (FVDFPD)

- Cut to height on site
- Mitered frame consists of two jambs and one header
- 78" and 84" nominal width
- Finishes: Clear Anodized or Painted



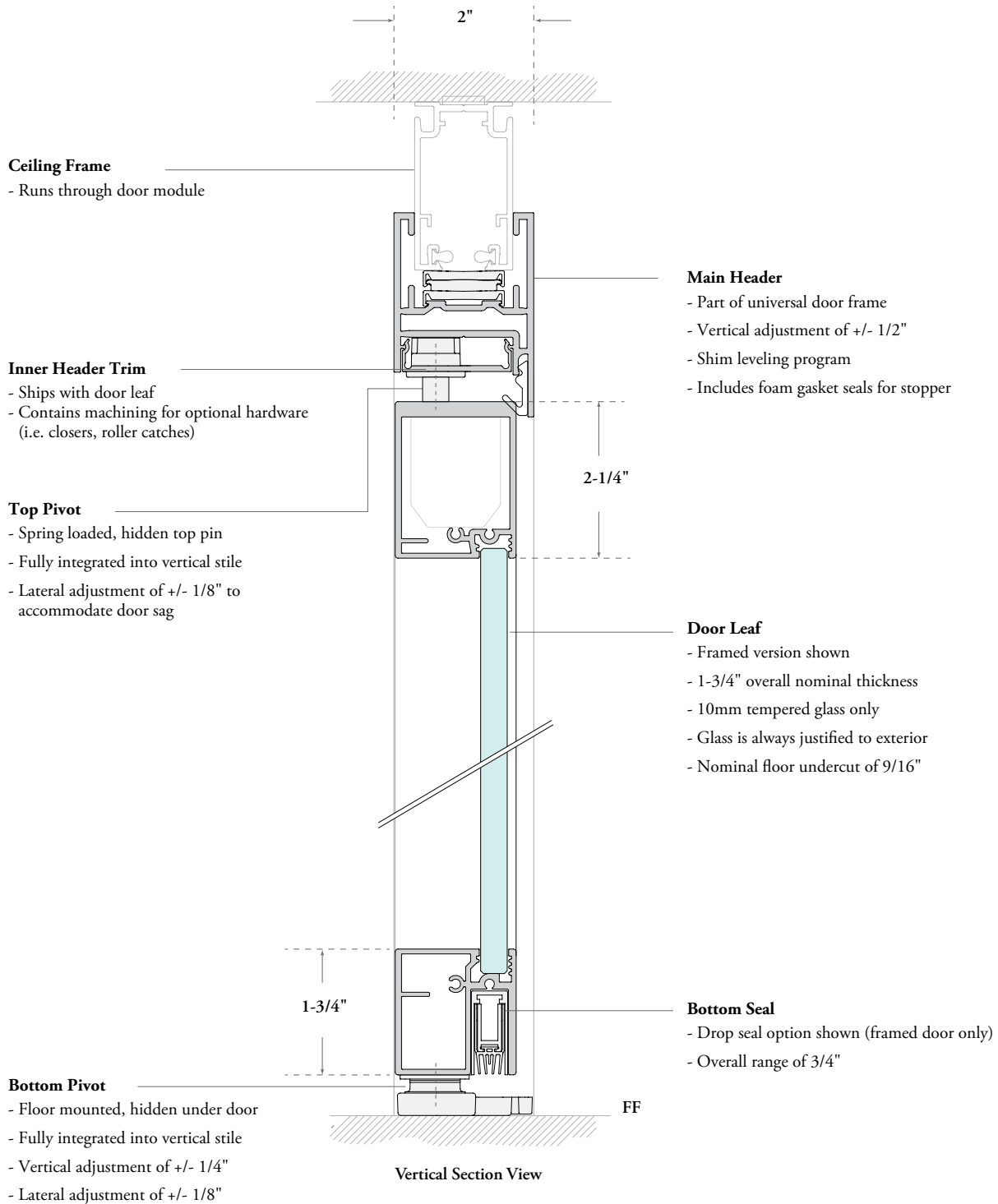
## Pivot Door Jamb Connection (FVDJPC)

- Used for single and double door frame applications
- Configurable kit of parts that connects jambs of pivot door to adjacent wall conditions
- Strike Jamb Conditions: 10mm or 12mm glass, Corner/Fly-by Transition, Door Start/Articulating
- Pivot Jamb Conditions: 10mm or 12mm glass, Corner/Fly-by Transition, Door Start/Articulating
- Finishes: Clear Anodized or Painted



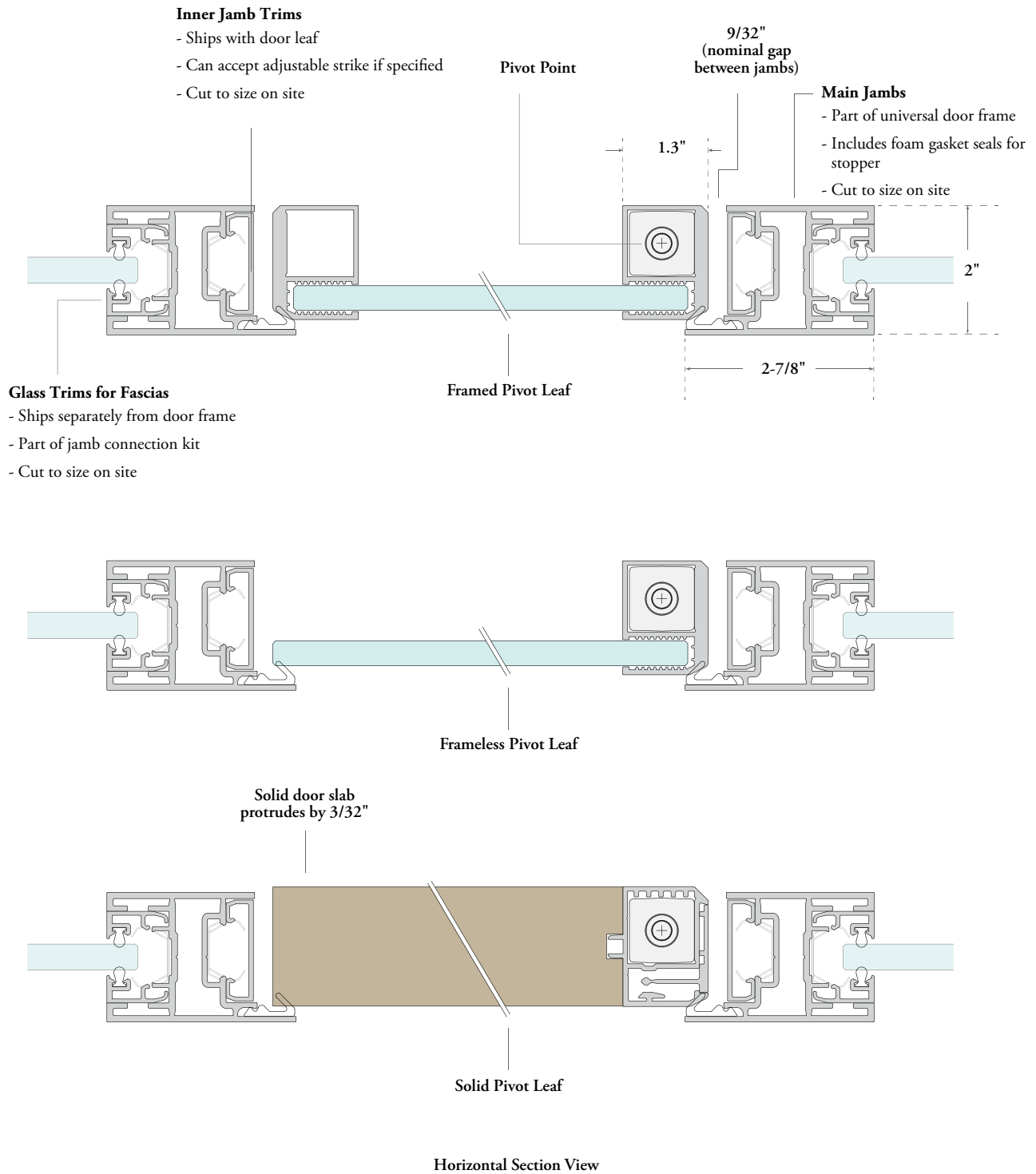
## planning with pivot door programs

The following describes how the pivot door frame and leaf interface with the wall program, ceiling and finished floor.



# planning with pivot door programs (continued)

The following describes additional details and configurations of the pivot door program.



# planning with pivot door jamb connections

The pivot door jamb connection is configurable kit of parts that connects jambs of a pivot door to adjacent wall conditions.

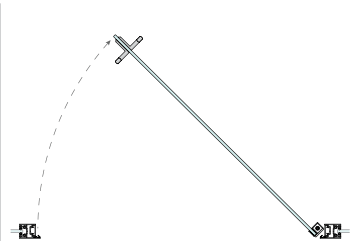
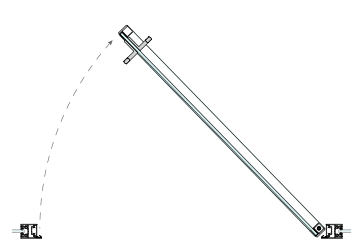
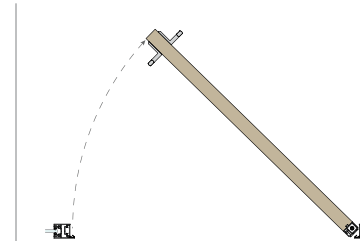
Below describes the strike and pivot jamb conditions that can be specified and the restrictions that exist.

Pivot Door Jamb Connection (FVDJPC)	Strike Jamb	Pivot Jamb	Restrictions
10mm or 12mm glass			Each side of door must be specified with same glass thickness (10mm or 12mm)
Corner or Fly-By Transitions			
Door Start or Articulating			

# planning opening range with pivot doors

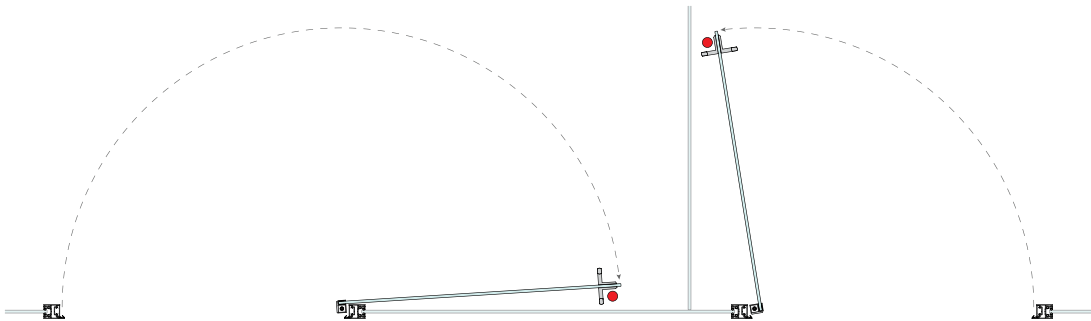
The opening range of a pivot door depends on the specific door leaf and hardware specified.

The chart below communicates the maximum angles possible in each application.

			
	Frameless Pivot Leaf	Framed Pivot Leaf	Solid Pivot Leaf
No Closer	Maximum 180°	Maximum 115°	Maximum 115°
Closer with Hold Open (110 degree closing functionality)	n/a	Maximum 110°	Maximum 110°
Hidden Closer (75 degree closing functionality)	Maximum 180°	Maximum 115°	Maximum 115°

When planning with the door stop:

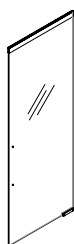
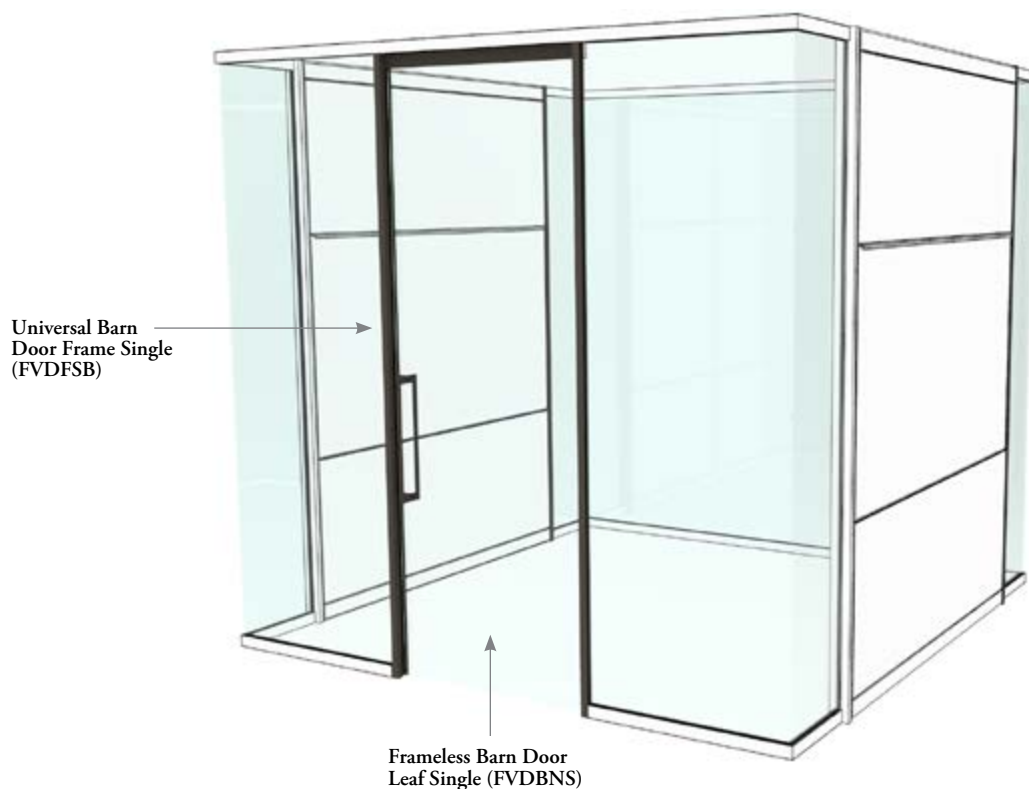
- Whenever possible, place the stop close to nearby walls so it is not an obstacle to the path of travel
- Ensure the stop prevents door hardware (example: pulls, levers) from making contact with nearby walls
- Position the stop so it is close to the outer edge of the door leaf for maximum support in the open position



door stop planning examples

## barn door program basics

The barn door program consists of the following discrete elements:



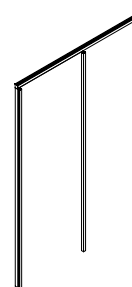
### Frameless Barn Door Leaf Single (FVDBNS)

- 10mm frameless glass single leaf barn door with trolley cover
- Includes front inner jamb trim
- Ceiling Height: 86" - 120", in 1/16" increments
- Available in 40" and 42" nominal widths with clear openings of 34-9/16" and 36-9/16" respectively
- Door Slide: Left or Right
- Rail Orientation: Exterior or Interior
- Hardware Prep: Linear Pull or Ladder Pull
- Trolley Cover and Trim Finish: Clear Anodized or Painted
- Glass Type: Tempered only
- Glass Finish: Clear or Clear Low Iron
- Bottom seal not available



### Framed Barn Door Leaf (FVDBSF)

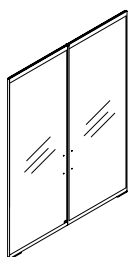
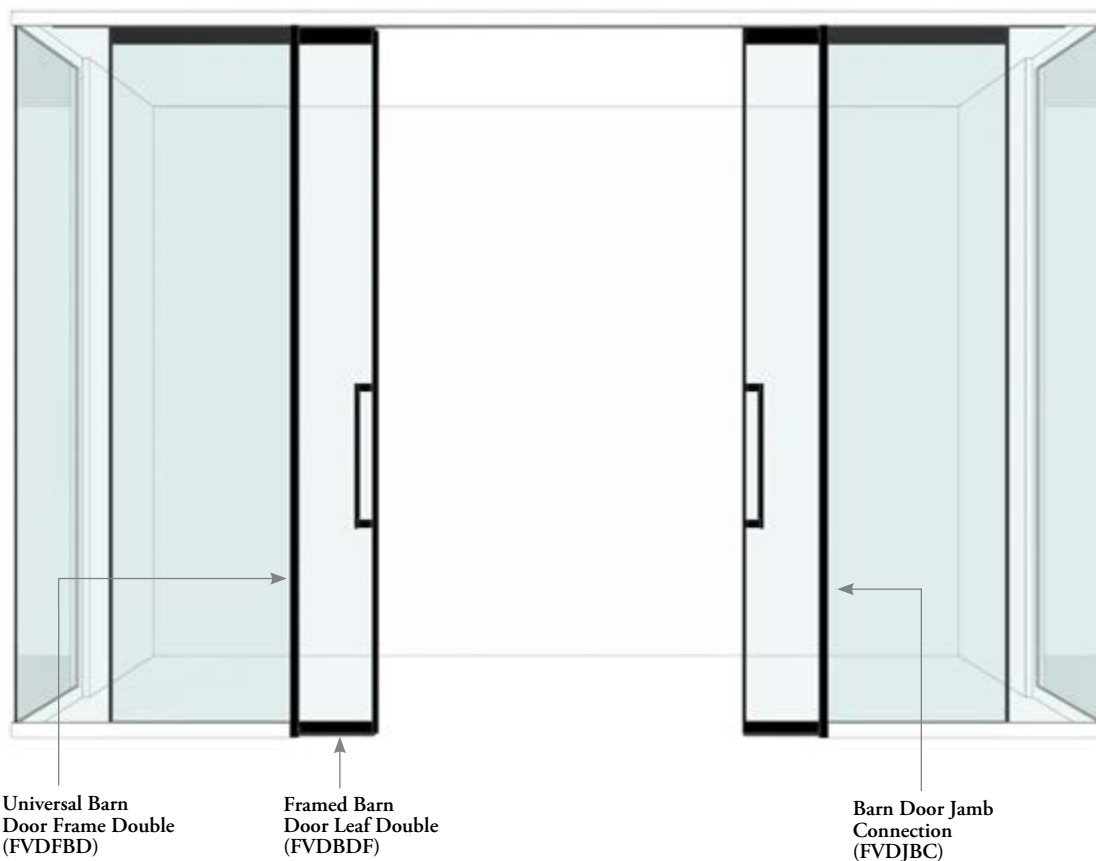
- 1" framed single leaf barn door with 10mm glass insert
- Includes front inner jamb trim
- Ceiling Height: 86" - 120", in 1/16" increments
- Available in 40" and 42" nominal widths with clear openings of 34-9/16" and 36-9/16" respectively
- Door Slide: Left or Right
- Rail Orientation: Exterior or Interior
- Hardware Prep: Linear or Ladder Pull
- Frame Finish: Clear Anodized or Painted
- Glass Type: Tempered Only
- Glass Finish: Clear or Clear Low Iron
- Brush Seal Standard



### Universal Barn Door Frame Single (FVDFSB)

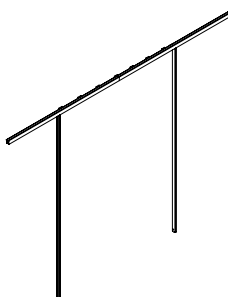
- Universal barn door frame works with single leaf, cut to height on site and is not specific to hardware or orientation
- Consists of two jambs and an adjustable top rail (84" fixed length)
- 40" and 42" nominal widths (door module)
- Includes soft open / soft close mechanism as standard
- Finishes: Clear Anodized or Painted

# barn door program basics (continued)



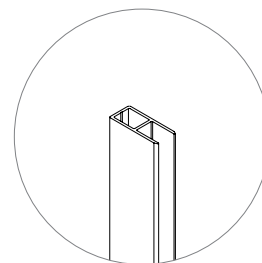
## Framed Barn Door Leaf Double (FVDBDF)

- 1" framed double leaf barn door with 10mm glass insert
- Ceiling Height: 86" - 120", in 1/16" increments
- Available in 78" and 84" nominal widths with clear openings of 67-7/8" and 73-7/8" respectively
- Rail Orientation: Exterior or Interior
- Hardware Prep: Linear or Ladder Pull
- Frame Finish: Clear Anodized or Painted
- Glass Type: Tempered Only
- Glass Finish: Clear or Clear Low Iron
- Brush Seal Standard



## Universal Barn Door Frame Double (FVDFBD)

- Universal barn door frame works with double leaf, cut to height on site and is not specific to hardware or orientation
- Consists of two back jambs and two adjustable top rails which are spliced together (166-1/2" fixed length)
- 78" and 84" nominal widths (door module)
- Includes soft open / soft close mechanism as standard
- Finishes: Clear Anodized or Painted

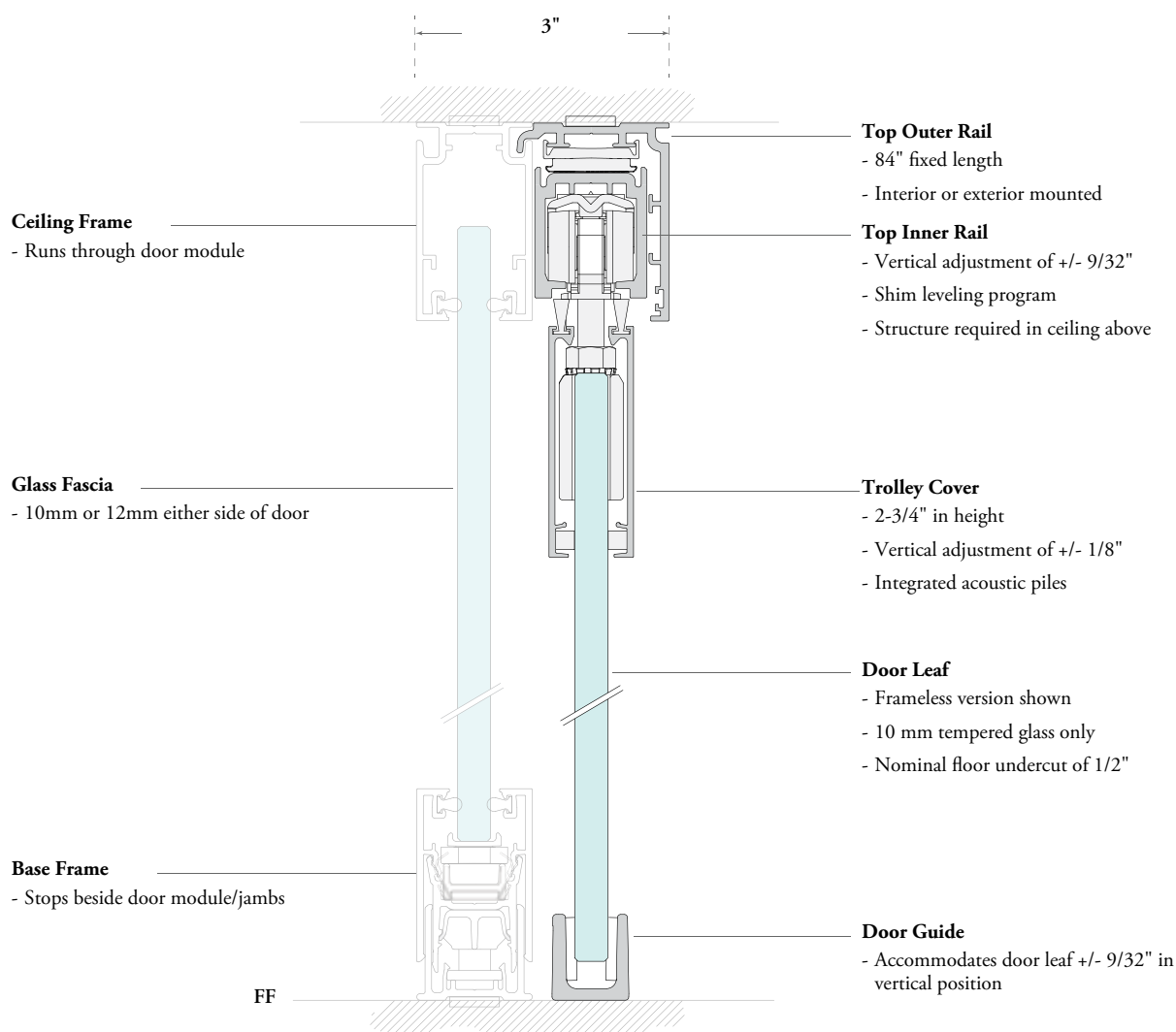


## Barn Door Jamb Connection (FVDJBC)

- Configurable kit of parts that connects jambs of barn door to adjacent wall conditions
- Front Jamb Conditions: 10mm or 12mm glass, Corner/Fly-by Transition, Door Start/Articulating
- Back Jamb Conditions: 10mm or 12mm glass
- Finishes: Clear Anodized or Painted

## planning with barn door programs

The following describes how the barn door frame and leaf interface with the wall program, ceiling and finished floor.



Vertical Section View

# planning with barn door programs (continued)

The following describes additional details and features of the barn door program.

## Inner Jamb Trim

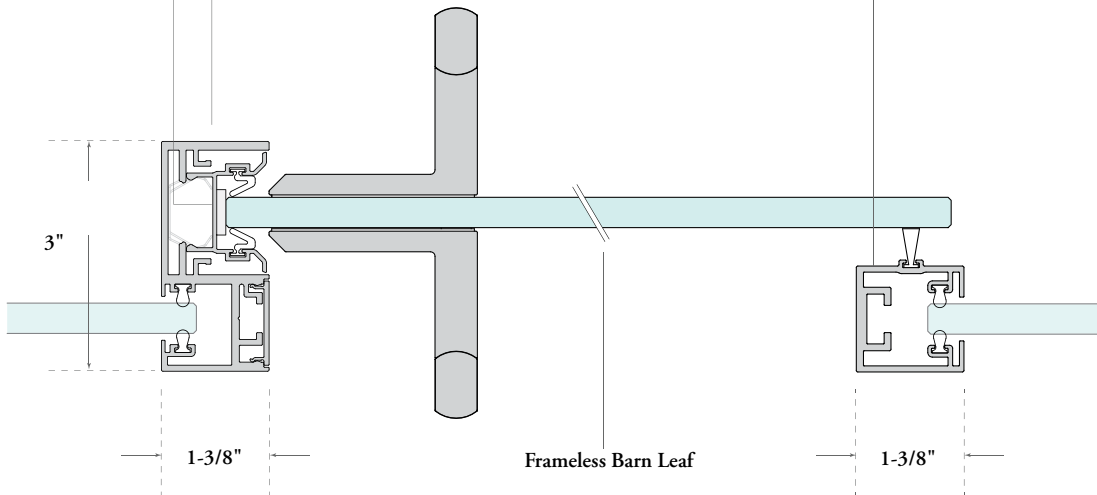
- Ships with door leaf
- Cut to size on site

## Front Jamb

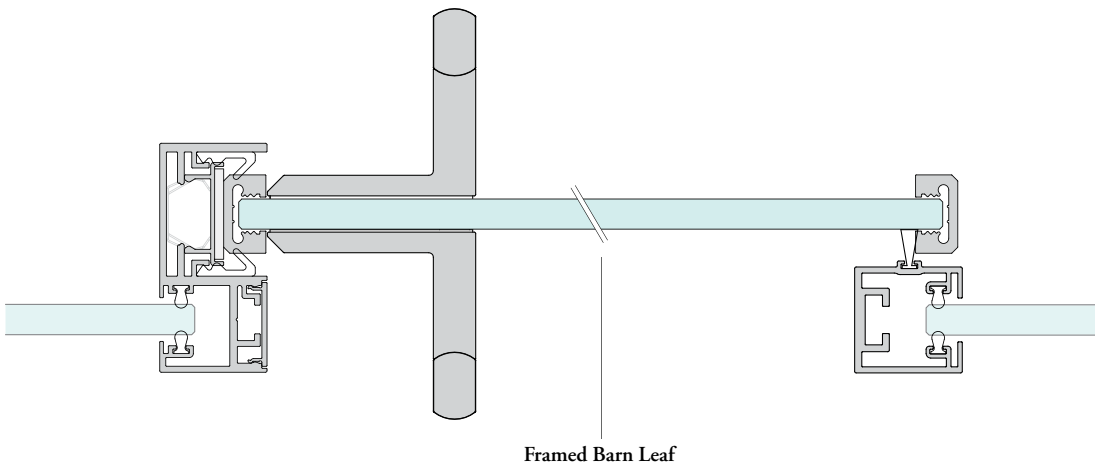
- Part of universal door frame
- Includes foam gasket seals for glass
- Cut to size on site

## Back Jamb

- Part of universal door frame
- Includes foam gaskets for glass & brush seal
- Cut to size on site



Horizontal Section View





# planning with barn door jamb connections

The barn door jamb connection is configurable kit of parts that connects jambs of a barn door to adjacent wall conditions.

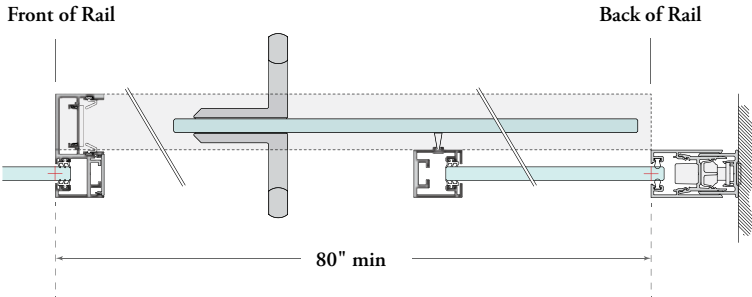
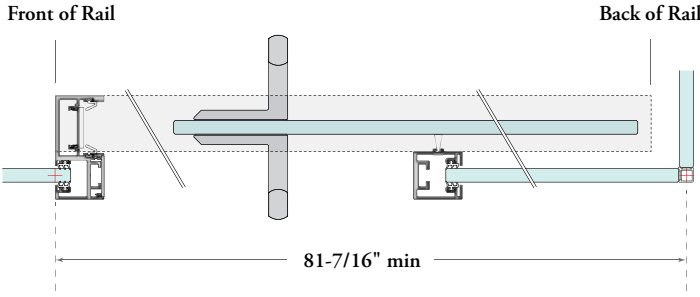
Below describes the front and back jamb conditions that can be specified and the restrictions that exist.

Barn Door Jamb Connection (FVDJBC)	Front Jamb	Back Jamb	Restrictions
10mm or 12mm glass			Each side of door must be specified with same glass thickness (10mm or 12mm)
Corner or Fly-By Transitions			
Door Start or Articulating			

# planning with interior mounted barn door rails

The following describes the features and restrictions when planning with interior mounted barn door rails.

- The rail must not interfere with demising walls and vertical elements ('on-module approach')
- The rail is hidden inside the office creating a clean storefront aesthetic
- The rail is 80" (for 40" nominal door) and 84" (for 42" nominal door) fixed length for single leaf and 154-1/2" (for 78" nominal door) and 166-1/2" (for 84" nominal door) fixed length for double leaf
- The examples shown below are for the 40" single and the 78" double nominal door sizes.

Wall Condition at Back of Rail	Interior Mounted Rail (Single Leaf)
<b>Verticals:</b> <ul style="list-style-type: none"><li>- Wall Start</li><li>- Transitions</li></ul>	
<b>Glass Corners:</b> <ul style="list-style-type: none"><li>- 90°</li><li>- Three-Way</li><li>- Four-Way</li><li>- Variable Angle</li></ul>	

planning with interior mounted barn door rails  
(continued)

Wall Condition at Back of Rail	Interior Mounted Rail (Double Leaf)
<b>Verticals:</b> <ul style="list-style-type: none"><li>- Wall Start</li><li>- Transitions</li></ul>	
<b>Glass Corners:</b> <ul style="list-style-type: none"><li>- 90°</li><li>- Three-Way</li><li>- Four-Way</li><li>- Variable Angle</li></ul>	

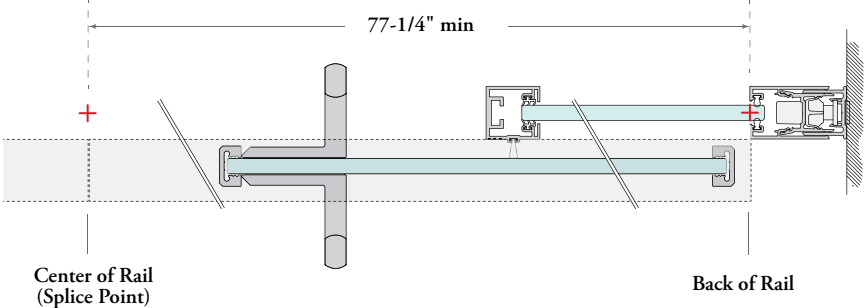
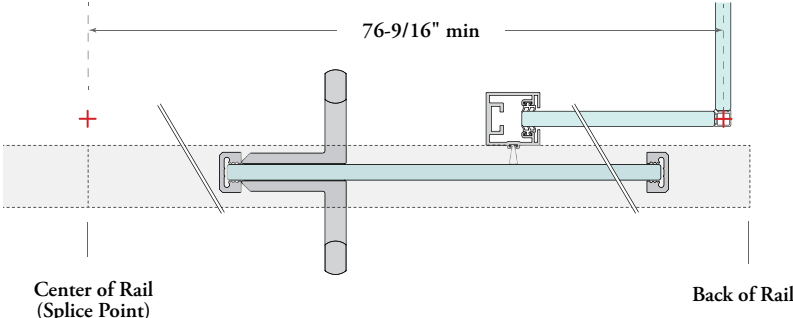
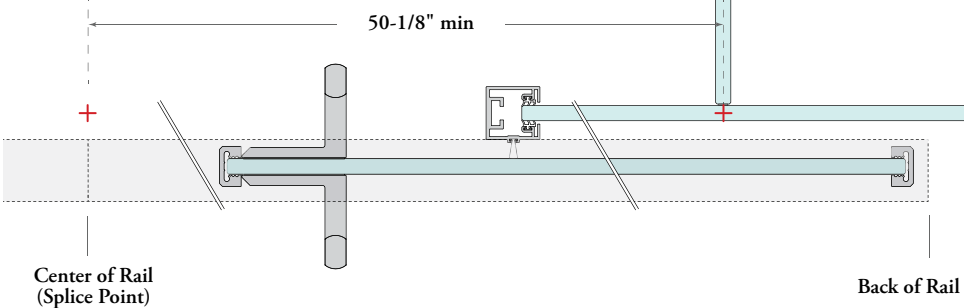
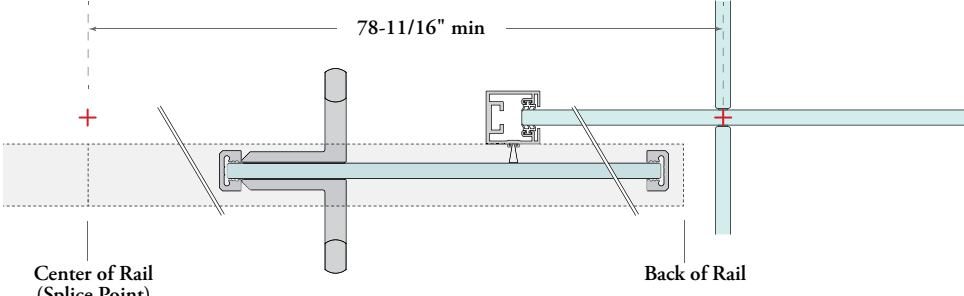
# planning with exterior mounted barn door rails

The following describes the features and restrictions when planning with exterior mounted barn door rails;

- The rail can overlap three-way glass storefront corners for space saving opportunities ('off-module approach')
- The rail is visible on the storefront and avoids any potential interference issues with interior planned furniture
- The rail is 80" (for 40" nominal door) and 84" (for 42" nominal door) fixed length for single leaf and 154-1/2" (for 78" nominal door) and 166-1/2" (for 84" nominal door) fixed length for double leaf
- The examples shown below are for the 40" single and the 78" double nominal door sizes.

Wall Condition at Back of Rail	Exterior Mounted Rail (Single Leaf)
<b>Verticals:</b> - Wall Start - Transitions	
90° Glass Corner	
Three-Way Glass Corner	
Four-Way or Variable Angle Glass Corner	

# planning with exterior mounted barn door rails (continued)

Wall Condition at Back of Rail	Exterior Mounted Rail (Double Leaf)
<b>Verticals:</b> - Wall Start - Transitions	 <p>77-1/4" min</p> <p>Center of Rail (Splice Point)</p> <p>Back of Rail</p>
<b>90° Glass Corner</b>	 <p>76-9/16" min</p> <p>Center of Rail (Splice Point)</p> <p>Back of Rail</p>
<b>Three-Way Glass Corner</b>	 <p>50-1/8" min</p> <p>Center of Rail (Splice Point)</p> <p>Back of Rail</p>
<b>Four-Way or Variable Angle Glass Corner</b>	 <p>78-11/16" min</p> <p>Center of Rail (Splice Point)</p> <p>Back of Rail</p>

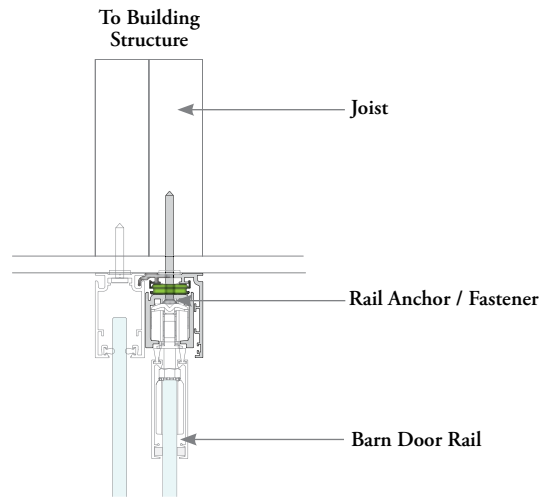
# application guide

## planning with barn door rails

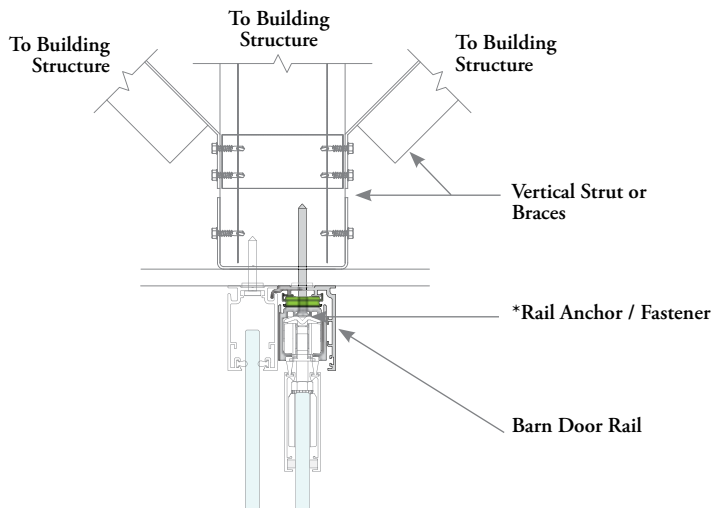
The following information must be taken into consideration when planning and specifying the barn door.

- Additional ceiling structure is required to accommodate the top rail of the barn door. This is due to the absence of a third post in the door frame design
- In drywall ceiling and bulkhead conditions, the structure above the ceiling is the responsibility of the General Contractor and must be installed in advance
- In suspended ceiling conditions, consult with a Teknion representative regarding the specific structure required above the ceiling
- Below are general diagrams of the types of structure required. Note: specific structural requirements will be dependent on each building condition. Review with a Teknion representative if required.

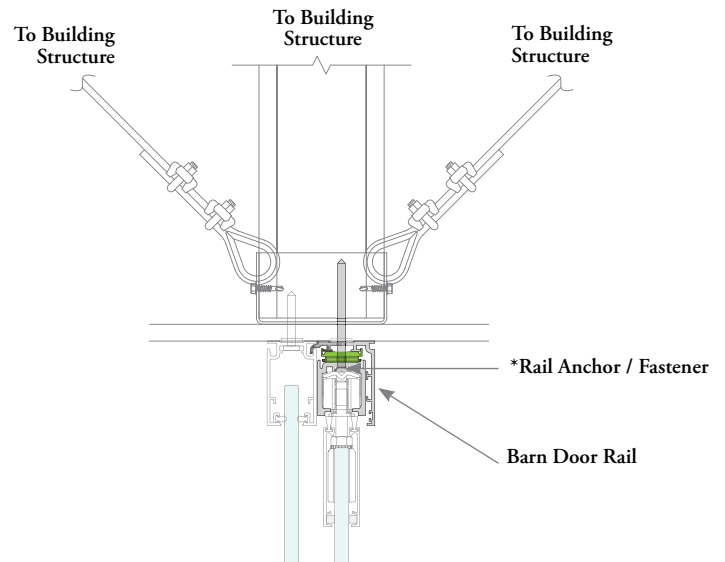
### drywall ceiling with wood structure



### suspended ceiling with steel framing



### suspended ceiling with steel framing & cables

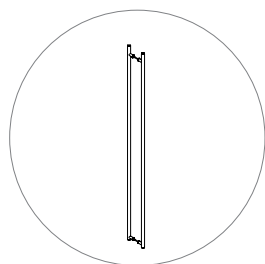
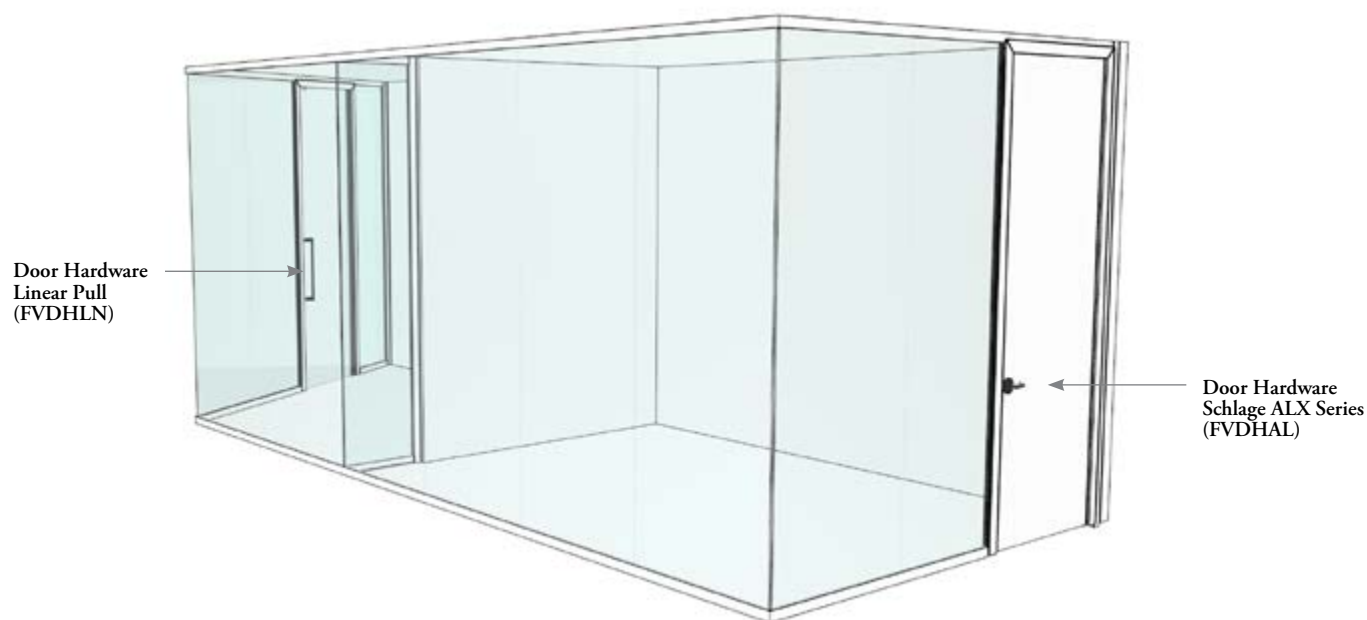


#### Note for Rail Anchor / Fastener:

- Applied every 12" along rail length
- Applied directly through leveling shims
- Each anchor / fastener must support 100 lbs of force

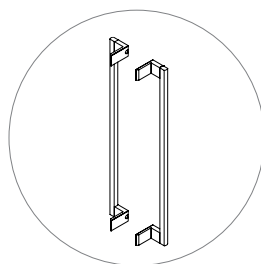
## hardware basics

The following outlines the egress hardware available on the pivot and barn door programs;



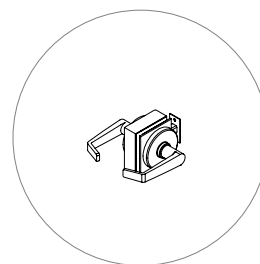
### Door Hardware Ladder Pull (FVDHLD)

- Tubular steel pull
- Compatible with pivot and barn doors
- Compatible with single glazed and solid leaf
- Non-locking and Locking options
- Configurable to ceiling heights 86"-120", in 1" increments
- Finishes: Stainless or Painted
- Interior or Exterior option for barn door rail



### Door Hardware Linear Pull (FVDHLN)

- Square aluminum pull
- Compatible with pivot and barn doors
- Compatible with single glazed and solid leaf
- Non-locking only
- Lengths: 13" or 24"
- Finishes: Clear Anodized or Painted



### Door Hardware Schlage ALX Series (FVDHAL)

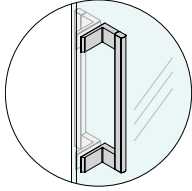
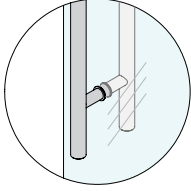
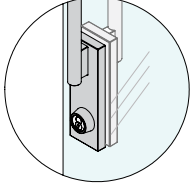
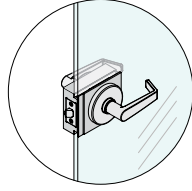
- Cylindrical lock set
- Compatible with pivot doors only
- Compatible with single glazed and solid leaf
- Non-locking and Locking options
- Lever Finishes: Satin Chrome and Matte Black
- Patch Finishes: Clear Anodized or Painted
- Strike Plate Finish: color coordinated with lever

# application guide

## planning with hardware

The following describes further details and restrictions of egress hardware available on the pivot and barn door programs.

Egress hardware is a configurable kit of parts that is always specified separately from the door leaf.

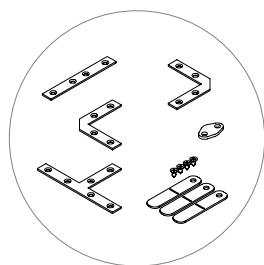
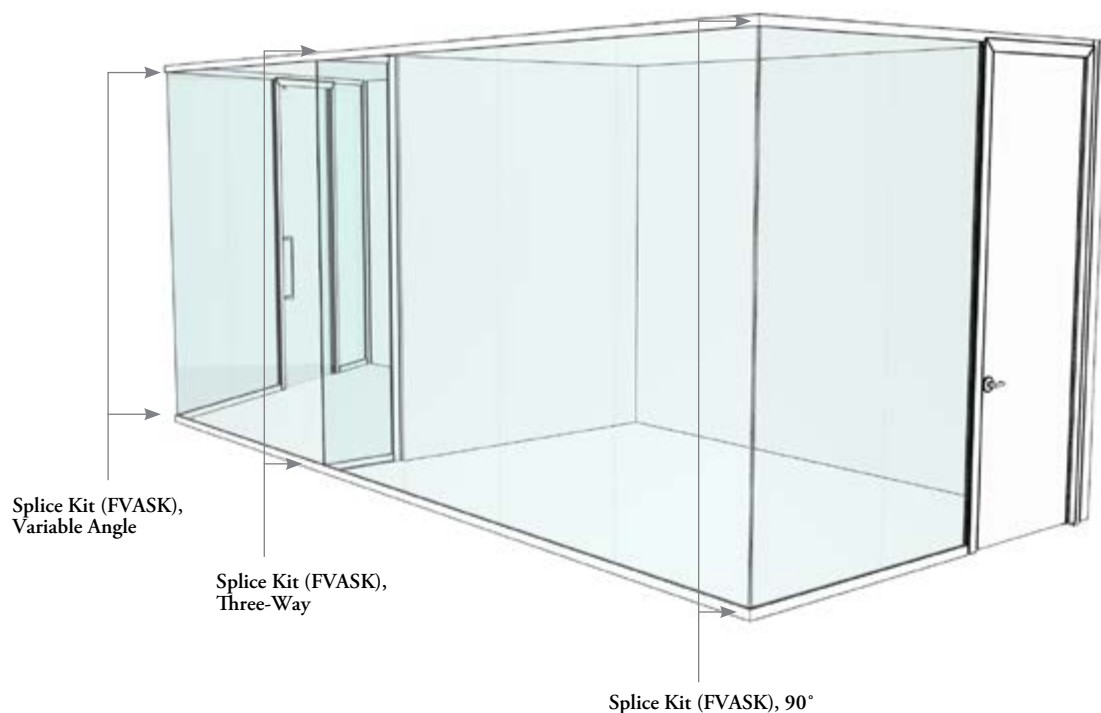
		  <b>Non-Locking</b> <b>Locking (with patch)</b>	
<b>Product Code</b>	FVDHLN	FVDHLD	FVDHAL
<b>Series</b>	Linear Pull	Ladder Pull	ALX Series (Cylindrical Lock set)
<b>Supplier</b>	Teknion	Teknion	Schlage
<b>Lever/Pull Type</b>	Square Aluminum Pull	Tubular Steel Pull (1" diameter)	Rhodes Lever
<b>Pivot Door Compatibility</b>	Yes	Non-locking only	Yes
<b>Barn Door Compatibility</b>	Yes	Yes	N/A
<b>Length Options</b>	13" or 24"	Configurable to ceiling heights 86"-120" in 1" increments	N/A
<b>Height AFF</b>	34-5/8" from bottom of pull	Non-Locking: 40-5/16" from bottom of pull (nominal value) Locking: 36-1/2" from CL of cylinder (nominal value)	39-5/8" from CL of lever
<b>Lock Function Details</b>	Non-Locking only	Locking Option: Keyed outside, manual thumb turn inside Non-Locking Option	Locking Option: Entrance/Office (keyed outside, push button inside) Non-Locking Option: Passage Latch
<b>Code Compliance</b>	ADA compliant	ADA compliant (non-locking only)	ADA compliant
<b>Cylinder &amp; Core Details</b>	N/A	Mortise Cylinder with Large Format Interchangeable Core	Large Format Interchangeable Core
<b>Lever / Pull Finish Options</b>	Clear Anodized Can match all standard paint finishes	Stainless Can match all standard paint finishes	Satin Chrome and Matte Black (strike plate color coordinated with lever)
<b>Patch Cover Details</b>	N/A	Die cast zinc construction Stainless or Painted	Machined aluminum construction Clear Anodized or Painted

- Pull finishes should be specified to match door leaf finish
- Patch finishes are driven by door leaf finish
- Doors specified with "interchangeable core cylinder" are keyed randomly (two keys provided per door) but can be removed by a universal control
- After installation, customers may chose to relocate or replace interchangeable core cylinders to suit their security need



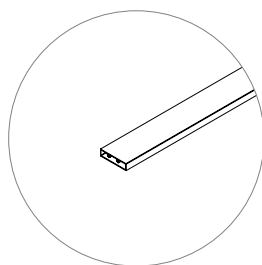
## accessories & electrics basics

Below describes additional accessory and electrical components offered within Tek Vue.



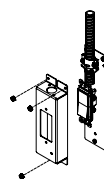
### Splice Kit (FVASK)

- Configurable splice kit for horizontal framing
- Configurations: Inline, 90°, Three-Way, Four-Way or Variable Angle
- One splice kit per framing seam (base and ceiling included)



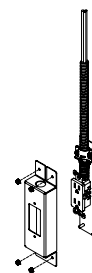
### Ceiling Support (FVACS)

- Support for ceiling frame (in suspended ceiling conditions)



### Low Profile Light Switch (FVALS)

- Color: Black, White or Grey



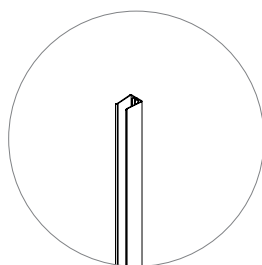
### Low Profile Receptacle Module (FVARM)

- Color: Black, White or Grey
- Amperage: 15 or 20 Amps



### Glass Applicator Kit (FVAAK)

- Kit for glass cleaning before install
- One applicator kit covers approximately 48 pieces of 10mm glass or 36 pieces of 12mm glass (at maximum 120" ceiling height)



### Frame Cut Fixture (FVAFF)

- Fixture for cutting base frame components in one operation
- Can be used with ceiling frame, wall starts and door starts if required



### Control Key (FVKK)

- Used to remove or install an interchangeable core

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