INTRODUCTION

FRAMES – 10MM & 12MM

FASCIAS – 10MM & 12MM

DOORS – 10MM & 12MM

CORNER & CONNECTIONS – 10MM & 12MM

CLERESTORY – 10MM & 12MM

ELECTRICS
introduction
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Online Access to all current pricing in PDF format, can be found at www.teknion.com, by selecting the products tab, the desired product line and then pricing module.
Printed Price Guides by product line containing product maps, detailed pricing tables and product basics information are available to help you specify correctly. These guides can be ordered online through www.teknion.com, by selecting the tools tab and then print on demand or by contacting your local Teknion Representative.

application guidelines
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Printed Fabrics & Finishes Guides can be ordered online through www.teknion.com, by selecting the tools tab and then print on demand or by contacting your local Teknion Representative.

product photography & drawings
Online Access to all photos, line drawings and renderings are available on www.teknion.com, by selecting the tools tab and selecting either photography, CAD symbols or Sketchup 3D Warehouse.

order forms
All forms (COM Request, TekniPaint and TekniStain forms) are available online at www.teknion.com, by selecting the tools tab and then Fabrics & Finishes. Download the form you require.

warranty/terms & conditions of sale
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how to make this guide work for you

application guide contents

This guide contains detailed application and planning information to help you plan your project correctly. The Introduction section provides everything you need to get started and the subsequent sections provide application information by product type. Each of these sections contains detailed specification guidelines, application and planning information to help you plan your project correctly.

frames – 10mm & 12mm

Optos frames consist of Ceiling Components, Base Components and Vertical Components and are available in two glass thicknesses, 10mm and 12mm for added sound attenuation.

• The maximum length of horizontal frame components are 120” (100 ft 6” height x 1.20 ft)
• The horizontal frame elements come in lengths of 36”, 48”, 72”, 96” and 120” and are cut for a precise fit on site with minimal waste
• Vertical trims are available in heights from 86” - 120” and follow ceiling height specifications
• All 10mm component codes begin with “FZ” and all 12mm component codes begin with “FX”.

basics page at a glance

For pricing details refer to the appropriate Price Guides available on www.teknion.com.
how to make this guide work for you (continued)

application guideline details at a glance

additional information
The following forms are available at [www.teknion.com](http://www.teknion.com), by selecting the tools tab and then Fabrics & Finishes, to help you specify and place your order if required:

**teknipaint**
If you require a custom paint color match, you must submit a TekniPaint form.

**using your own material (COM)**
If you wish to use your own material on fabric-covered products, you must submit a completed COM form including a sample upholstery and safety testing.

A COM Order Information Sheet must also be submitted. This form captures all relevant ordering and tracking information.

A COM Request for Yardage Calculation form may be sent to Teknion for preliminary yardage requirements.

**placing a manual order**
Complete an Order Cover Sheet with the information we need to fill your order. This is the most important step. If the Order Cover Sheet is not complete and correct, the order may be delayed.

**noting key requirements**
If you require that certain pieces share the same locks you will need to specify Set of Keys Alike (SOKL) located in the Price and Product Guide.
# Introduction

## Frames – 10mm

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>FZWS</td>
<td>Adjustable Wall Start</td>
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<tr>
<td>FZFS</td>
<td>Variable Angle Wall Start</td>
</tr>
<tr>
<td>FZFE</td>
<td>Wall End</td>
</tr>
<tr>
<td>FZFP</td>
<td>Ceiling Top Spacer</td>
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<tr>
<td>FZFC</td>
<td>Ceiling Frame Beam</td>
</tr>
<tr>
<td>FZFB</td>
<td>Base Frame &amp; Channel Assembly</td>
</tr>
<tr>
<td>FZFK</td>
<td>Frame Splice Kits</td>
</tr>
<tr>
<td>FZVF</td>
<td>Vertical Post</td>
</tr>
<tr>
<td>FZFTV</td>
<td>Vertical Trim</td>
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<tr>
<td>FZFT</td>
<td>Horizontal Trim</td>
</tr>
<tr>
<td>FZFF</td>
<td>Filler Panel</td>
</tr>
<tr>
<td>FZDBRP</td>
<td>Single Barn Door Fixed Rail Kit</td>
</tr>
</tbody>
</table>
frames – 10mm

F Z D B J P  Single Glass Barn Door
Jamb Kit for Fixed Rail

F Z D B R R  Single Barn Door
Extended Rail Kit

F Z D B J R  Single Glass Barn Door
Jamb Kit for Extended Rail

F Z D L R P  Double Barn Door
Fixed Rail Kit

F Z D L J P  Double Barn Door
Jamb Kit for Fixed Rail

F Z D L R R  Double Barn Door
Extended Rail Kit

F Z D L J R  Double Barn Door
Jamb Kit for Extended Rail

F Z N H S  Solid Hinged Door
Frame – Low Profile

F Z D H S  Solid Hinged Door Solid
Frame Kit – Low Profile

F Z N E S  Glass Hinged Double
Door Frame – Low Profile

F Z D E S  Glass Hinged Double
Door Solid Frame Kit – Low Profile

F Z N J S  Glass Hinged Door Frame
– Low Profile
frames – 10mm

FZDJS Glass Hinged Door Solid Frame Kit – Low Profile
FZNPS Glass Framed Pivot Door Frame – Low Profile
FZDPS Glass Pivot Door Solid Frame Kit – Low Profile

FZP Ceiling Supports
FZT Installation Tools
fascia – 10mm

FZGP Glass Panel

FZGP Glass Panel

FZGK Glass Assembly Hardware

FZAK Activator Kit

FZS Electrical Side Panel
doors – 10mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>FZDB</td>
<td>Glass Barn Door</td>
</tr>
<tr>
<td>FZDL</td>
<td>Double Glass Barn Door</td>
</tr>
<tr>
<td>FZNJ</td>
<td>Glass Hinged Door</td>
</tr>
<tr>
<td>FZDJ</td>
<td>Hinged Glass Door</td>
</tr>
<tr>
<td>FZNE</td>
<td>Glass Hinged Double Door</td>
</tr>
<tr>
<td>FZDE</td>
<td>Double Hinged Glass Door</td>
</tr>
<tr>
<td>FZNS</td>
<td>Solid Hinged Door</td>
</tr>
<tr>
<td>FZDS</td>
<td>Solid Hinged Door – Low Profile</td>
</tr>
<tr>
<td>FZNP</td>
<td>Glass Framed Pivot Door</td>
</tr>
<tr>
<td>FZDP</td>
<td>Glass Pivot Door</td>
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</table>

optos application guide – January 27, 2020
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Diagram</th>
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<tbody>
<tr>
<td>FZCY2</td>
<td>Two-Way 90° Corner Connection</td>
<td><img src="https://via.placeholder.com/150" alt="Diagram" /></td>
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<tr>
<td>FZCY2E</td>
<td>Two-Way Connection for Barn Door Rail</td>
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<td>FZCYE</td>
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<td><img src="https://via.placeholder.com/150" alt="Diagram" /></td>
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<td>FZCY3</td>
<td>Three-Way Corner Connection</td>
<td><img src="https://via.placeholder.com/150" alt="Diagram" /></td>
</tr>
<tr>
<td>FZCY3D</td>
<td>Three-Way Corner Connection Between Doors</td>
<td><img src="https://via.placeholder.com/150" alt="Diagram" /></td>
</tr>
<tr>
<td>FZCY3E</td>
<td>Three-Way Connection for Barn Door Rails</td>
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</tbody>
</table>

**Optos to Optos**

- Two Glass
- One Glass; One Door (Right)
- One Glass; One Door (Left)
- Two Doors
corners & connections – 10mm

FZCZ2 Two-Way 90° Corner Connection with Door

FZCZ3A Three-Way Connection with One Door

FZCZ3B Three-Way Connection with Two Doors

FZCA1 180° Connection with Altos

FZCA2 Two-Way 90° Connection with Altos

FZCA2E Two-Way Connection for Barn Door Rail End with Altos

Optos to Optos

Optos to Altos
corners & connections – 10mm

**F Z F C A 2** Two-Way Articulating Connection with Altos

Glass (Left)  
Door (Left)

**F Z C A 3 A** Three-Way Connection with Altos – Two Optos at 90°

Two Glass  
Two Doors  
One Glass Centered, One Door In-Line  
One Glass In-Line, One Door Centered

**F Z C A 3 B** Three-Way Connection with Altos – Two Optos at 180°

Glass  
Two Doors  
One Glass, One Door

**F Z C A 3 C** Three-Way Connection with Altos – Two Altos at 90°  
**F Z C A 3 D** Three-Way Connection with Altos – Two Altos at 180°
corners & connections – 10mm

FZCA3E  Three-Way Connection with Altos
for Barn Door Rails

FZCA4B  Four-Way Connection with Altos –
Two Optos at 180°

FZCW2  Two-Way Connection with Drywall

FZCW2E  Two-Way Connection with Drywall
for Barn Door Rail End
corners & connections – 10mm

FZCW3 Three-Way Connection with Drywall

One Door
Two Doors
Glass

FZCW3E Three-Way Connection with Drywall for Barn Door Rails

Door End or Glass, Door End or Glass
Door Start, Door End

Optos to Altos

One Door Two Doors Glass
clerestory – 10mm

FZCG Clerestory Glass Module

FZCFV Clerestory Vertical Post

FZCCX1 Clerestory In-Line Connection with Optos

FZCC2E Clerestory Two-Way Connection for Barn Door Rail End

FZCCX2 Clerestory Two-Way 90° Corner Connection with Optos

FZCCA2 Clerestory Two-Way 90° Corner Connection with Altos

FZCCY2 Clerestory Two-Way 90° Corner Connection

FZCG Clerestory Glass Module

FZCFV Clerestory Vertical Post

FZCCX1 Clerestory In-Line Connection with Optos

FZCC2E Clerestory Two-Way Connection for Barn Door Rail End

FZCCX2 Clerestory Two-Way 90° Corner Connection with Optos

FZCCA2 Clerestory Two-Way 90° Corner Connection with Altos

FZCCY2 Clerestory Two-Way 90° Corner Connection
FZCCX3 Clerestory Three-Way Connection with Optos

FZCCY3 Clerestory Three-Way Connection

FZCCA3 Clerestory Three-Way Connection with Altos
frames – 12mm

FXWS  Adjustable Wall Start
FXFFS  Variable Angle Wall Start
FXFP  Ceiling Top Spacer

FXFC  Ceiling Frame Beam
FXFB  Base Frame & Channel Assembly
FXFK  Frame Splice Kits

FXFV  Vertical Post
FXFTV  Vertical Trim
FXFT  Horizontal Trim

FXFF  Filler Panel
FXDBP  Single Barn Door Fixed Rail Kit
FXDBJP  Single Glass Barn Door Jamb Kit for Fixed Rail
fascias – 12mm

FXGP Glass Panel  FXGK Glass Assembly Hardware Kit  FXS Electrical Side Panel
doors – 12mm

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### Corners & Connections – 12mm

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- **Optos to Optos**
  - Center
  - Left
  - Right

- **FXCY2E**
  - Door End or Glass, Door End or Glass
  - Door Start, Door End (left or right handed)

- **FXCY3D**
  - Left
  - Right

- **FXCY3A**
  - Door End or Glass, Door End or Glass
  - Door Start, Door End (left or right handed)
corners & connections – 12mm

FXCZ3B Three-Way Connection with Two Doors

FXCA1 180° Connection with Altos

FXCA2 Two-Way 90° Connection with Altos

FXCA2E Two-Way Connection for Barn Door Rail End with Altos

FXCA3A Three-Way Connection with Altos – Two Optos at 90°

FXCA3B Three-Way Connection with Altos – Two Optos at 180°

Optos to Altos

Glass

Two Glass

Two Doors

One Glass, One Door

Glass

Door

Glass

Door

Left / Right

One Glass Centered, One Door In-Line

One Glass In-Line, One Door Centered
introduction

corners & connections – 12mm

FXCA3C  Three-Way Connection with Altos – Two Altos at 90°

Glass

Door

FXCA3D  Three-Way Connection with Altos – Two Altos at 180°

Glass

Door

FXCA3E  Three-Way Connection with Altos for Barn Door Rails

Door End/Glass, Door End or Glass

Door Start, Door End

FXCA4B  Four-Way Connection with Altos – Two Optos at 180°

Glass

Door

Two Doors

FXCW2  Two-Way Connection with Drywall

Glass

Door

FXCW2E  Two-Way Connection with Drywall for Barn Door Rail End

Glass

Door

Optos to Altos
corners & connections – 12mm

FXCW3 Three-Way Connection with Drywall

One Door  Two Doors  Glass

FXCW3E Three-Way Connection with Drywall for Barn Door Rails

Door End or Glass, Door End or Glass  Door Start, Door End

Optos to Altos
introduction

clerestory – 12mm

FXCG  Clerestory Glass Module

FXCFV  Clerestory Vertical Post

FXCCX1  Clerestory In-Line Connection with Optos

FXCCX2  Clerestory Two-Way 90° Corner Connection with Optos

FXCCA2  Clerestory Two-Way 90° Corner Connection with Altos

FXCCY2  Clerestory Two-Way 90° Corner Connection

FXCFV  Clerestory Vertical Post

optos application guide – January 27, 2020
clerestory – 12mm

FXCCX3  Clerestory Three-Way Connection with Optos

FXCY3  Clerestory Three-Way Connection

FXCCA3  Clerestory Three-Way Connection with Altos

Three-Way Connections

Glass  One Door  Two Doors
introduction

Electrics

ERM Receptacle Module

ELS Light Switch
Optos is a seamless full-height glass wall system with a refined design aesthetic. Optos is available with either 10 or 12mm glass thickness. The wall provides full-height space division with extensive leveling tolerances as well as visual and functional integration to the Altos Wall system. The following outlines the features of Optos Walls.

Frames are available for both thicknesses. Codes beginning with ‘FZ’ denote the 10mm thickness and ‘FX’ denotes 12mm thickness. Currently the only Door available in 12mm is the FXDP Framed Pivot Door.
The following outlines the planning styles available in Optos.

storefront planning formats with optos:

straight runs with 90° corners

straight runs with articulating corners
introduction

planning possibilities

The following demonstrates the planning possibilities available in Optos.

private office storefront with drywall partition

long store front private offices with drywall partition

optos / altos integration

optos / altos boardroom

optos / building integration

optos boardroom
optos with articulating corners / altos / building integration
The following should be considered when planning with Optos.

**Step 1:**
**survey building site**
Before starting to plan with Optos, the following important steps should be taken:

- Use a laser level to shoot the whole site and find the high and low spots in the floor and ceiling and determine the minimum floor to ceiling height

- When attaching Optos to a bulkhead, ceiling must be level and flatness should not exceed more than 3/16” over 10’

- The floor should be flat and level, the maximum floor level tolerance is 2” over a single run

- If the ceiling is a suspended grid, the grid must be completely level and flat with a tolerance of 3/16” over 10’

- Direct fastening to the grid is done with ceiling clips

- Consider the location of HVAC ducts and lighting panels on the ceiling before laying out the wall runs

- Plan with Optos to optimize the amount of natural light that will flow into corridors for energy saving and LEED credits
Step 2:
planning wall runs

Optos glass walls are specified as wall runs between two points. There are two types of runs:

1. runs which end

Termination points, ending at:
A. Finished wall end
B. Wall start from building
C. Filler panel from a building

2. runs which join

Termination points, ending at:
D. Optos to Optos corners two-way, three-way or four-way
E. Optos to Altos corners two-way, three-way, four-way or Inlines
F. Optos Door Modules

Three wall run conditions can occur:

- end to end
- end to joint
- joint to joint
Step 3:
planning with existing building architecture

1. Planning storefront corner layouts with a three-way connection allows for adjustments for building tolerances.
2. Planning with filler panels allows for tolerance around the building’s structure, as filler panels are solid and can be modified in width on-site.

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Glass-to-Glass transparent joint

Filler Panel is modified on-site to blend with existing building architecture
Step 4:
planning a typical optos / altos environment

1. Optos provides a seamless full-height glass enclosure, with integrated door solutions, making it ideal for planning storefront applications.

2. Altos is a solid full-height functional wall that provides visual privacy and support whiteboards, tackboards, worksurfaces and storage.

3. Optos is planned as a continuous run of transparent glass, from one end or join to another. The glass modules are equal in width to optimize seams. Altos is a modular system and the width of a module is specified in the build-up approach to create a wall. There is no designed relationship between Optos glass widths and Altos modules.
Step 5:
planning for furniture and door locations

When planning with Optos, the location of the door with respect to furniture must be considered. Furniture is typically planned against the solid walls and not the glass. Space behind a swing door is unusable, therefore, planning with barn doors can provide entry without compromising space. For central door locations barn doors may provide for better space planning.

Hinged or Barn doors can be placed at wall corners or central to the room depending on furniture clearance required.

Traffic flow and furniture should be taken into consideration when planning Doorways in conferencing spaces.
frames —
10mm & 12mm
Optos frames consist of Ceiling Components, Base Components and Vertical Components and is available in two glass thicknesses, 10mm and 12mm for added sound attenuation.

• The maximum length of horizontal frame components are 120” (to fit most freight elevators)
• The horizontal frame elements come in lengths of 36”, 48”, 72”, 96” and 120” and are cut for a precise fit on site with minimal waste
• Vertical trims are available in heights from 86” - 120” and follow ceiling height specifications
• All 10mm component codes begin with “FZ” and all 12mm component codes begin with “FX”.

Also available but not shown below:

Filler Panel (FZFF/FXFF)
• It is used to fit around bulkheads or other architectural features intruding into the space
• Adjustable horizontal rails are provided, so that the width of the Filler Panel can be cut to custom sizes
• Maximum 6” from floor-to-ceiling can be cut away from the Filler Panel. Larger amounts can be cut away above and below the horizontal support

Wall End (FZFE)
A full-height trim used to finish an exposed “end of run”
The following should be considered when planning with Ceiling Clips.

<table>
<thead>
<tr>
<th>Ceiling Profile</th>
<th>Ceiling Clip</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Diagram" /></td>
<td>FXP6 / FZP6</td>
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<tr>
<td><img src="image2" alt="Diagram" /></td>
<td>FXP3 / FZP3</td>
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<tr>
<td><img src="image3" alt="Diagram" /></td>
<td>FXP2 / FZP2</td>
</tr>
<tr>
<td><img src="image4" alt="Diagram" /></td>
<td>FXP6 / FZP6</td>
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</tbody>
</table>

- Ceiling Clips with Reinforcement Ceiling Plank (FZP1/FXP1) is required for additional support above doors and at corners (Optos to Optos and Optos to Altos)
- Reinforcement Plank is 5' long
### planning with ceiling clips (continued)

<table>
<thead>
<tr>
<th>Ceiling Profile</th>
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</thead>
<tbody>
<tr>
<td><img src="image1" alt="Ceiling Profile" /></td>
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<td><img src="image2" alt="Ceiling Profile" /></td>
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</tr>
<tr>
<td><img src="image3" alt="Ceiling Profile" /></td>
<td>FXP5 / FZP5</td>
</tr>
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- Ceiling Clips with Reinforcement Ceiling Plank (FZP1/FXP1) is required for additional support above doors and at corners (Optos to Optos and Optos to Altos)
- Reinforcement Plank is 5' long
The following outlines the features of Optos Frames.

Incremental Top Spacer
Trim Cup

Current Glass offering
10 mm Tempered and Laminate (FZ) or 12mm Tempered and Laminate (FX)

New Micro Leveler
New Multi Stage Leveler
Trims: Clear Anodized or Painted
New Base Channel: Clear Anodized or Painted

Section of Optos Profile at top and bottom

leveling range 0.75"
5/8” nominal ceiling to ceiling spacer height
0.9"
1.3"

leveling range maximum only
1-5/8” (-1/4" - +1-3/4")
5/8” nominal floor to base trim height
1.3"
The following outlines the features of Optos Frames.

- Careful attention should be given to floor levels. Optos is complete with ceiling and floor leveling systems.
- Whenever possible Doors should be planned near floor high spots to reduce gaps underneath.
The following outlines the features of Optos Frames.

- Ceiling Top Spacer is adjustable
- If product is specified smaller or larger than minimum floor to ceiling height, Top Spacer may be adjusted to reduce gapping at base of product

### ceiling leveling system

![Ceiling leveling system diagram]

### base leveling system

![Base leveling system diagram]
Door Frames are independent frames that cover the vertical and horizontal structural elements.

- The door is ordered separately, see Door section for details
- Please check local code requirements, as in some jurisdiction the use of barn doors limits room occupancy to a maximum of 10 people
- Consideration for ADA compliant locking hardware for doors needs to be determined early in the project cycle. Teknion offers a custom special solution that complies with ADA requirements, subject to local approvals

<table>
<thead>
<tr>
<th>Door Frames</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass Hinged Double Door Solid Frame Kit – Low Profile (FZNES/FZDES)</td>
<td>To be used with Double Hinged Glass Door (FZNE/FZDE) door Available for 72” and 80” door opening Includes the Vertical and Horizontal Frame for the Clerestory</td>
</tr>
<tr>
<td>Glass Hinged Door Solid Frame Kit (FZNJS/FZDJS/FXDJS)</td>
<td>To be used with Hinged Glass Door (FZNJ/FZDJ) Available for 40” or 42” wide door Can be specified with a left or right door swing</td>
</tr>
<tr>
<td>Solid Hinged Door Solid Frame Kit (FZNHS/FZDHS/FXDHS)</td>
<td>To be used with Hinged Solid Door (FZNS/FZDS) Available for 40” or 42” wide door Can be specified with a left or right door swing Used when specifying Runs of 12mm Glass</td>
</tr>
<tr>
<td>Glass Pivot Door Solid Frame Kit (FZNPS/FZDPS/FXNPS/FXDPS)</td>
<td>To be used with Glass Pivot Door (FZNP/FZDP) for 10mm Glass and Glass Pivot Door (FXNP/FXDP) for 12mm Glass Available for 40” or 42” wide door Can be specified with a left or right door swing Used when specifying Runs of 12mm Glass</td>
</tr>
</tbody>
</table>
Door Frames are independent frames that cover the vertical and horizontal structural elements and are available for 10mm and 12mm applications.

---

**Single Barn Door Fixed Rail Kit (FZDBRP) with Single Glass Barn Door Jamb Kit for Fixed Rail (FZDBJP)**

- To be used with Glass Barn Door (FZDB)
- Comes complete with the adjacent glass and frame, so there will be a mullion beside the adjacent glass (see Fascia section for Glass details)
- Available for 40” or 42” wide Doors
- When the 40” door is specified, the adjacent glass will be 30.6” wide
- When the 42” door is specified, the adjacent glass will be 32.65” wide
- Can be specified with a left or right slide
- Glass in the sidelight is 12mm when specified in a run of 12mm glass

**Single Glass Barn Door Jamb Kit for Extended Rail (FZDBJR) with Single Barn Door Extended Rail Kit (FZDBRR)**

- To be used with Glass Barn Door (FZDB)
- Provides an extended rail for a storefront up to 10’ so that a continuous wall of glass can be created without mullions beside the door
- Available for 40” or 42” wide doors
- Can be specified with a left or right slide
- Rail lengths are available from 75” - 144” in 1/8” increments
Double Barn Door Jamb Kit for Fixed Rail (FZDLJP) with Double Barn Door Fixed Rail Kit (FZDLRP)

- To be used with Double Glass Barn Door (FZDL)
- Comes complete with the adjacent glass and frame so there will be a mullion beside the adjacent glass
- Available for 72” or 80” wide doors
- When the 72” door is specified the adjacent glass is 29”
- When the 80” door is specified the adjacent glass is 33”
- Integral dampening mechanism included
- Glass in the sidelight is 12mm when specified in a run of 12mm glass

Double Barn Door Jamb Kit for Extended Rail (FZDLJR) with Double Barn Door Extended Rail Kit (FZDLRR)

- To be used with Double Glass Barn Door (FZDL)
- Provides extended rail for a store front up to 146” so that a continuous wall of glass can be created without mullions beside the door
- Available for 72” or 80” wide doors
- 80” doors have fixed rail width of 146” and cannot be extended further
- 72” doors have rail width options from 130” - 146” in 1/2” increments
- Integral dampening mechanism included
Three vertical elements are required for Single Barn Door installations. The following scenarios outline various ways to plan a Barn Door.

**scenario 1**

Central Barn Door between a 10mm Glass Corner and a Wall Start.

Required Vertical Structural Components:
1. Vertical Post (FZFV) + Vertical Trim (FZFTV)
2. Vertical Post (FZFV) + Vertical Trim (FZFTV)
3. Adjustable Wall Start (FZWS) + Vertical Trim (FZFTV)

Central Barn Door between a 12mm Glass Corner and a Wall Start.

Required Vertical Structural Components:
1. Vertical Post (FXFV) + Vertical Trim (FXFTV)
2. Vertical Post (FXFV) + Vertical Trim (FXFTV)
3. Adjustable Wall Start (FXWS) + Vertical Trim (FXFTV)

**scenario 2**

Barn Door against a Wall and a 10mm Glass Corner on the opposite side

Required Vertical Structural Components:
1. Adjustable Wall Start (FZWS) + Vertical Trim (FZFTV)
2. Vertical Post (FZFV) + Vertical Trim (FZFTV)
3. 3rd Post in the Standard Glass Barn Door Jamb (FXDBJP)

Barn Door against a Wall and a 12mm Glass Corner on the opposite side

Required Vertical Structural Components:
1. Adjustable Wall Start (FXWS) + Vertical Trim (FXFTV)
2. Vertical Post (FXFV) + Vertical Trim (FXFTV)
3. 3rd Post in the Standard Glass Barn Door Jamb (FXDBJP)

**scenario 3**

Central Barn Door beside a Two-Way Altos to Optos Corner

Required Vertical Structural Components:
1. Vertical Post (FZFV/FXFV) + Vertical Trim (FZFTV/FXFTV)
2. Vertical Post (FZFV/FXFV) + Vertical Trim (FZFTV/FXFTV)
3. Two-Way 90˚ Connection with Altos (FZCA2E/FXCA2E)
fixed format

Use fixed rail and jamb when there is a glass corner or the glass wall run is greater than 12’.
extended format

Use extended rail and jamb between drywall or Altos or Optos where center to center end posts are no greater than 12' apart.

Whenever planning with extended rail and frame format, the end of rail connection must be made with either a wall start or one of the two- or three-way connections for Barn Door Ends.
Four vertical elements are required for Double Glass Barn Door installations. The following scenarios outline various ways to plan with Double Barn Doors.

scenario 1

Double Barn Door between Wall Starts
Required Vertical Structural Components:
1. Adjustable Wall Start (FZWS/FXWS) + Vertical Trim (FZFTV/FXFTV)
2. Adjustable Wall Start (FZWS/FXWS) + Vertical Trim (FZFTV/FXFTV)
3. Vertical Post (FZFV/FXFV) + Vertical Trim (FZFTV/FXFTV)
4. Vertical Post (FZFV/FXFV) + Vertical Trim (FZFTV/FXFTV)

scenario 2

Double Barn Door on a Straight Glass run
Required Vertical Structural Components:
1. Integrated Post within Standard Double Barn Door Jamb (FZDLJP/FXDLJP)
2. Integrated Post within Standard Double Barn Door Jamb (FZDLJP/FXDLJP)
3. Vertical Post (FZFV/FXFV) + Vertical Trim (FZFTV/FXFTV)
4. Vertical Post (FZFV/FXFV) + Vertical Trim (FZFTV/FXFTV)

scenario 3

Double Barn Door between two Altos
Two-Way Corner Connections
Required Vertical Structural Components:
1. Two-Way Connection for Barn Door Rail End with Altos (FZCA2E/FXCA2E)
2. Two-Way Connection for Barn Door Rail End with Altos (FZCA2E/FXCA2E)
3. Vertical Post (FZFV/FXFV) + Vertical Trim (FZFTV/FXFTV)
4. Vertical Post (FZFV/FXFV) + Vertical Trim (FZFTV/FXFTV)
frames – 10mm & 12mm

planning with double barn doors (continued)

fixed format
Use fixed rail and jamb when there is a glass corner or the glass wall run is greater than 146".

extended format
Use extended rail and jamb between drywall or Altos where center to center between end posts is no greater than 146".
Both end conditions of door module must be the same either fixed rail and jamb integrated post or wall start/Altos connection.

Two sets of Double Barn Doors meeting at a corner must have doors hung on the outside of the wall.

Two fixed jamb doors must be separated by a minimum of 12”.

Two adjacent fixed jamb doors cannot share a common integrated post.

Three-Way Connection (FZCY3/FCY3) must happen outside of the Barn Door Rail span (not on Barn Door side lights).
barn door rail

The Barn Door rail replaces the Ceiling Frame Beam when Barn Doors are used.

Three vertical supports are needed for a Barn Door (max. 144")
The following should be considered when installing Optos Door and Frame components.

**critical dimensions**

Dimensions are measured to centerlines and dependent on the application type:

- **A** Centerline to vertical Centerline at Optos to Altos join
- **B** Optos Centerline to vertical Centerline of post door frame
- **C** Overall length according to Altos Centerline module length

**top spacer**

- Plan sizes to optimize pre-cut lengths for waste reduction
- Overlap top spacer and ceiling beam joins by 2’
- Joins require a splice kit
ceiling frame beam

- Plan sizes to optimize pre-cut lengths and reduce waste
- Different combinations of Altos/Optos corners require specific ceiling frame beam lengths to accommodate modification on site

Avoid seams over door transitions

Install from Corner - in series

base frame & channel assemblies

floor channel

- Plan size to optimize pre-cut length to reduce waste
- Finishes on vertical centerline
- Stops at door frame centerline

Floor Channel cut on centerline of Vertical Post
base frame
• Provides leveling and supports the glass
• Stops at ends of door vertical faces
• Lengths are spliced together with kit

Cut to face of vertical post
planning with door stops

The following should be considered when determining the placement of Optos doorstops.

• Doorstops are provided with single and double hinged glass doors and solid hinged doors (i.e. NOT with Door Frames).

When there is a span of Optos behind a swing door, the doorstop can be mounted directly to the base Horizontal Trim.

If no Optos is present in the swing path of the glass door, or if the angle of contact is greater than 90º, the Doorstop has an option for floor mounting.
The following trim details are typical of Optos transitions.

- The Top Ceiling Spacer meets the finished wall end.
- The Vertical Trim extends to meet the top edge of the Horizontal Trim.
- The finished Wall End extends from floor to ceiling.
- The Horizontal Trim meets the side of the Vertical Trim.
- The Top Ceiling Spacer finishes at the building structure.
- The Vertical Trim extends to meet the bottom edge of the Horizontal Base Trim.
- The Horizontal Base Trim meets the side of the Vertical Trim.
- The filler panel creates a straight starting point for glass and is attached to the building structure.
- The Horizontal Base Frame and Channel Assembly meet the finished Wall End.
- The Horizontal Base Frame and Channel Assembly meet the building structure.
- Horizontal Trims have a 1/16” cap to prevent scratching the Vertical Trim during installation.
- Horizontal Trims are available in Clear, Anodized or Painted.
fascias – 10mm & 12mm
fascias –
10mm & 12mm

FASCIA BASICS. ................................................................. 69

PLANNING WITH GLASS MODULES. ................................. 70

PLANNING WITH THE ELECTRICAL SIDE PANEL .............. 71
Two Fascia types are available: the Glass Kit and the Electrical Side Panel.

- Tempered Glass in 10mm & 12mm is only available in Standard clear
- No textured glass is available

**Glass Kit (FZGP/FXGP)**
- Glass sections are aligned to create continuous glass spans
- Two types are available: Tempered and Laminated
- Vanceva Specialty Glass is available in 10mm Laminated Glass only

**Electrical Side Panel (FZS/FXS)**
- Two solid fascias used to house light switches or receptacle modules
- Available in two styles:
  1. Solid to be used for the light switch. The light switch location will be cut on site
  2. One vertical cut out at 18” high to be used for receptacles
- Available in Fascia Laminates or Flintwood
The following details should be taken into consideration when planning with Optos glass sections.

The following types of corners are not possible:

- No angles other than 90° are possible with Optos.
- One piece of glass spanning two Two-Way 90° Corner Connection (FZCY2) is not possible.
The following two conditions should be considered when incorporating the Electrical Side Panel.

- Electrical Side Panels (FZS/FXS) are used near door openings to house electrical switches and receptacles.
- Due to interference, the Electrical Side Panel must be used under a Ceiling Frame Beam and not under spans of Optos where a Barn Door Rail has been used. The panel should therefore be planned on the side adjacent to a Barn Door where the rail is not used.

It is advisable to avoid the use of an Electrical Side Panel (FZS/FXS) at an in-line Optos to Altos transition. Instead use Altos which has cable routing capabilities.
doors –
10mm & 12mm
doors – 10mm & 12mm

DOOR OVERVIEW ............................................. 75

DOOR BASICS .................................................. 76

SWING DOOR DETAILS ...................................... 78

SINGLE BARN DOOR DETAILS ............................ 80

DOUBLE BARN DOOR DETAILS ............................ 81

PLANNING WITH DOORS ................................. 82
For typical openings, Optos offers a variety of doors that meet a range of privacy and functional needs – the three basic types are: Hinged, Pivot and Barn.

- Please check local code requirements, as in some jurisdictions, the use of Barn Doors limits room occupancy to a maximum of 10 people
- Consideration for ADA compliant locking hardware for doors needs to be determined early in the project cycle. Teknion offers a custom special solution that complies with ADA requirements, subject to local approvals
- Swing door is specified separate from the frame. See the Frames section for details
- Barn doors, jambs and rails are specified separately
- Solid doors are 1-3/4” thick
- Glass doors are 10mm thick (3/8” nominal) thickness
- 10mm Glass Pivot Door (FZNP/FZDP) or 12mm Glass Pivot Door (FXNP/FXDP)

Building up door modules

Frame or Transom and Frame Kit
The frame can be customized by height, swing direction, door package type and frame finish

Swing Door
The door can be customized by door type, height, swing/pull direction, lever type, hardware type, drop seal and surface finish

Barn Door

Lever types for Swing Doors:
- Jupiter
- Saturn

Handle types for Barn Doors:
- Non-Locking 1” diameter
- Locking 1” diameter

Hardware types:
- Without Lock (Passage Set)
- Standard Lock and Cylinder
- Mortise Lock and Standard Cylinder
- Mortise Lock and Interchangeable Core Cylinder
- Standard Lock and Interchangeable Core Cylinder

- Doors specified with “Standard Cylinder” are keyed randomly (two keys provided per door)
- Doors specified with “Interchangeable Core Cylinder” are keyed randomly (two keys provided per door) yet can be removed by a universal control key (one key provided per order)
- After installations, customers may choose to relocate or replace interchangeable core cylinders to suit their security needs
doors – 10mm & 12mm

door basics

Six door styles are available for Optos applications.

Glass Barn Door (FZDB)
- A full-height glass door that slides open
- Comes complete with hardware and brushed steel or painted pull
- Comes with optional Soft Close Mechanism
- Available with or without Standard lock and interchangeable core cylinder
- Locks only from outside
- Left or Right hand slide available
- Locks cannot be retrofitted
- The Barn Door nominal AFF is constant for hardware types 3 and 4

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>40” Wide</td>
<td>32”</td>
</tr>
<tr>
<td>42” Wide</td>
<td>34”</td>
</tr>
</tbody>
</table>

Double Glass Barn Door (FZDL)
- Two full-height glass barn doors that slide open
- Comes complete with hardware and brushed steel or painted pull
- One Soft Close Mechanism for each glass door will be installed as standard
- Available with or without Standard lock and interchangeable core cylinder
- Locks from outside of right hand door or inside of left hand door
- When lock option is specified, left hand door (from outside) includes a painted cover plate to match right hand door
- Locks cannot be retrofitted
- The Barn Door nominal AFF is constant for hardware types 3 and 4

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Clearance</th>
<th>Clearance when installed at Corner</th>
</tr>
</thead>
<tbody>
<tr>
<td>72” Wide</td>
<td>56”</td>
<td></td>
</tr>
<tr>
<td>(2 x 36”)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>80” Wide</td>
<td>64”</td>
<td></td>
</tr>
<tr>
<td>(2 x 40”)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hinged Glass Door (FZNJ/FZDJ)
- A full-height hinged glass door that swings open
- Hinges open to 180°
- Comes complete with Chrome lever handle
- Two lever types are available: Jupiter and Saturn
- Available without lock, with Standard lock and cylinder or Standard lock and interchangeable core cylinder
- Left or Right hand swing available
- Includes Door Stop
- Optional 10” high stainless steel kickplate

<table>
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</thead>
<tbody>
<tr>
<td>40” Wide</td>
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<td>34 1/4”</td>
</tr>
<tr>
<td>42” Wide</td>
<td>38 1/2”</td>
<td>36 1/4”</td>
</tr>
</tbody>
</table>

Double Hinged Glass Door (FZNE/FZDE)
- Two full-height hinged glass doors that swing open
- Hinges open to 180°
- Comes complete with hardware and Chrome lever handles
- Two lever types are available: Jupiter and Saturn
- Available without locks, with Standard lock and cylinder or Standard lock and interchangeable core cylinder
- Includes Two Door Stops
- Optional 10” high stainless steel kickplate

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>72” Wide</td>
<td>67”</td>
</tr>
<tr>
<td>80” Wide</td>
<td>75”</td>
</tr>
</tbody>
</table>
Six door styles are available for Optos applications. Hinged doors offer a variety of lever options.

**Hinged Solid Door (FZNS/FZDS)**
- A full-height hinged door that swings open
- Hinges open to 180˚
- Comes complete Chrome lever handle
- Two lever types are available: Jupiter and Saturn
- Available without lock, with Standard lock and cylinder, Standard lock and interchangeable core cylinder, Mortise lock and Standard cylinder or Mortise lock and interchangeable core cylinder
- Left or Right hand swing available
- Includes Door Stop

<table>
<thead>
<tr>
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<th>Clearance</th>
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<tbody>
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</tr>
<tr>
<td>42” Wide</td>
<td>38 1/2”</td>
<td>36 1/4”</td>
</tr>
</tbody>
</table>

**Glass Pivot Door (FZNP/FZDP/FXNP/FXDP)**
- A full-height door that pivots open 180˚
- Comes complete Chrome lever handle
- Two lever types are available: Jupiter and Saturn
- 10mm Tempered or Laminated Glass available for Glass Pivot Door (FZNP/FZDP) and 12mm Tempered or Laminated Glass available for Glass Pivot Door (FXNP/FXDP)
- Optional door closer/door stay
- Door Swing adjustable
- Optional 10” high stainless steel kickplate available for Glass Pivot Door (FZNP/FZDP)
- Optional 10” high integrated ADA Aluminum kickplate for Glass Pivot Door (FZNP/FZDP)

<table>
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<tr>
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<th>Clearance when installed at Corner</th>
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</thead>
<tbody>
<tr>
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</tr>
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<td>42” Wide</td>
<td>38 1/2”</td>
<td>38 1/2”</td>
</tr>
</tbody>
</table>

**NOTE:** Certain projects will require ADA (American Disabilities Act, www.ada.gov) compliant locking hardware for doors and it is important to determine this requirement early in the project cycle. While Teknion’s standard catalog door lock hardware is not ADA compliant, we are able to provide a custom special solution that does comply with ADA requirements, subject to local approvals.
doors – 10mm & 12mm

swing door details

The following should be considered when planning with swing doors.

single hinged door

![Glass Door Hinge](image1)

![Solid Door Hinge](image2)

double hinged door

![Thumb Turnpatch Lock](image3)

![Central Door Seal / Strike](image4)
doors – 10mm & 12mm

swing door details (continued)

single pivot door

1.3” Vertical Frame

1.3” Door Stile
Minimal for Glass Strength

New Patch Cover

10mm Glass Insert with Glass Pivot Door (FZNP/FZDP) or 12mm Glass Insert with Glass Pivot Door (FXNP/FXDP)
• Tempered and Laminate
• Enhanced acoustic performance from continuous Frame Seal

Pivots to back
180˚ swing opening (without door closer)

Adjustable Seal

Adjustable Drop Seal
• Range accommodates base leveling -1/8” - +1-3/8”
• Continuous across width of door

Pivot Hinge (interior view)
• Door pivots hung from vertical
• Door levels with vertically with system
• Two pivots only up to maximum 10’
• Anodized or Painted Aluminum finish

Lock Patch Plate
• Anodized Aluminum or Painted finish
• Saturn and Jupiter handles available lever option same as existing
• No exposed fasteners

Door Closer
• Optional
• Dorma concealed closer
• Range 100˚ maximum open
• Adjustable speed to force adjustment close
doors – 10mm & 12mm

single barn door details

Both non-locking and locking versions of the Barn Door are available. Doors are handed and the handedness is determined by the direction the door slides.

**AFF Constant**
Distant from finished floor to bottom of handle is a constant regardless of the ceiling height.

**Type 3 No Lock, Handle AFF constant**
**Type 4 Standard Lock and IC Cylinder, Handle AFF constant**

<table>
<thead>
<tr>
<th>Ceiling Height</th>
<th>Handle Position AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 - 120</td>
<td>39-3/4</td>
</tr>
</tbody>
</table>

**non-locking**

**locking**

Nominal AFF is constant for hardware types 3 and 4

---

**NOTE:** Consideration for ADA compliant locking hardware for doors needs to be determined early in the project cycle. Teknion offers a custom special solution that complies with ADA requirements, subject to local approvals.
Both non-locking and locking versions of the Double Barn Door are available.

**non-locking**

Door edge detail provides an acoustic seal and protection from glass edge.

**locking**

Door edge detail provides an acoustic seal and protection from glass edge.

Nominal AFF is constant for hardware types 3 and 4.
The following should be considered when planning with barn doors.

single barn door handedness

Inside and outside mounting

For a varied aesthetic to storefront planning, Barn Doors may be specified and mounted on either the inside or outside faces of an Optos wall.

single swing door handedness
double swing door handedness

The double hinged door has a patch lock assembly at the top of the left door.
corners & connections — 10mm & 12mm
corners & connections – 10mm & 12mm

OPTOS TO OPTOS CORNER CONNECTION BASICS . . . . . . . . . 90

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corners & connections – 10mm & 12mm

optos to optos corner connection basics

Optos to Optos corners are available in two-, three- and four-way connections.

- All Corner Connections come with Base and Ceiling components
- Clear Transparent corners to be created with no solid verticals
- Corners with Doors require different connections than corners joining glass

Three-Way Corner Connection (FZCY3/FXCY3)
- Provides the base and ceiling components for an off module three-way connection of pieces of glass
- This connection cannot be used for connections with doors

Two-Way 90° Corner Connection (FZCY2/FXCY2)
- Provides the base and ceiling components to connect two pieces of glass at 90°
- This corner cannot be used for connections with doors
articulating two-way and three-way connections

Two-Way Articulating Corner (FZFCF2)
• Connects two straight runs of Optos at an angle

Three-Way Articulating Connection (FZFCF3)
• Connects two angled runs of Optos with a straight demising wall
Optos provides a number of connectors for connecting doors and glass at corners.

When specifying the door location, please note that this is not the same as the swing of the door. Door location for corners indicates which side of the connection the door will be located on when viewed from the outside. The door swing direction is determined when specifying the actual door.
Optos to Drywall connections are available in two- and three-way connections.

**Two-Way Connection with Drywall (FZCW2/FXCW2)**
Connects Optos Wall with existing building wall at 90°. Use Door (D) configuration for one door.

**Three-Way Connection with Drywall (FZCW3/FXCW3)**
Connects two Optos Walls at 180° to existing building wall. Use One Door (A) or Two Doors (B) configurations.
Optos to Altos connections are available inline, two- and three-way connections.

Where an Altos wall connects to an Optos to Altos corner always use an Altos Vertical Post (FKV) and must be specified separately. 180° Connection with Altos (FZCA1) is the only exception and the Optos Vertical Post (FZFV) is included in the corner package.

two-way connections
three-way and four-way connections

**Four-Way Connection with Altos – Two Optos at 180°**
(FZCA4B/FXCA4B)

Connects two Optos walls at 180° to two Altos wall at 180°

**Three-Way Connection with Altos – Two Altos at 180°**
(FZCA3D/FXCA3D)

Connects two Altos walls at 180° to an Optos wall

**Three-Way Connection with Altos – Two Altos at 90°**
(FZCA3C/FXCA3C)

Connects two Altos walls at 90° to an Optos wall

**Three-Way Connection with Altos – Two Optos at 90°**
(FZCA3A/FXCA3A)

Connects two Optos walls at 90° to an Altos wall

**Three-Way Connection with Altos – Two Optos at 180°**
(FZCA3B/FXCA3B)

Connects two Optos walls at 180° to an Altos wall
Two-Way Articulating Corner (FZFCA2)
• Connects two straight runs one Optos, one Altos at an angle

Three-Way Articulating Connection (FZFCA3)
• Connects two angled runs of Optos with Altos demising
The following rules should be taken into consideration when planning with Optos Corners & Connections.

**optos to optos**

<table>
<thead>
<tr>
<th>restriction</th>
<th>solution 1</th>
<th>solution 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-Way Corner Connection (FZCY3/FXCY3) should not happen on or near the</td>
<td>The minimum recommended distance from a seam to the connection is 10”.</td>
<td>The ideal solution is to place the connection in the center of a face of glass.</td>
</tr>
<tr>
<td>seam of the opposing run of glass.</td>
<td>min. 10”</td>
<td></td>
</tr>
<tr>
<td>A Two-Way 90° Corner Connection (FZCY2/FXCY2) cannot be used to attach a</td>
<td>Offset the door from the corner by installing a 20” wide (minimum width)</td>
<td>• Install a Two-Way 90° Corner Connection with Door (FZCZ2/FXCZ2)</td>
</tr>
<tr>
<td>Glass Panel (FZGP/FXGP) to a Door at a 90° angle.</td>
<td>Glass Panel (FZGP/FXGP) between the corner and the door.</td>
<td>• Note the difference in the aesthetic. An anodized or painted aluminum</td>
</tr>
<tr>
<td>min. 20”</td>
<td></td>
<td>extrusion will be visible in the corner.</td>
</tr>
</tbody>
</table>
optos connections planning rules (continued)

optos to optos

<table>
<thead>
<tr>
<th>restriction</th>
<th>solution 1</th>
<th>solution 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="example1.png" alt="Diagram" /></td>
<td><img src="example2.png" alt="Diagram" /></td>
<td>Place the door hinge on the opposite side to allow for 180° of swing.</td>
</tr>
</tbody>
</table>

A Three-Way Connection with Two Doors (FZCZ3B/FXCZ3B) at 180° is restricted to a maximum door swing of 90°. Plan with the Three-Way Corner Connection (FZCY3/FXCY3) to create a three-way glass connection and separate the doors (minimum 24”).

optos to altos

<table>
<thead>
<tr>
<th>restriction</th>
<th>solution 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="example3.png" alt="Diagram" /></td>
<td><img src="example4.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

Back to back door openings into corridors or rooms should be avoided. Change the swing direction of both doors by placing the hinges on the opposite side.

It is not recommended to use a hinged 180° swing door that swings into a hall. Change the direction of the door swing so that it swings away from the hall and into the room.
The following should be taken into consideration when planning with articulating two-way and three-way corner connections with faceted modules and straight run Optos.

When planning with articulating corner connections the configuration options are based on the storefront.

### Articulating Two-Way Corners

**Demising Wall:**
Can be straight run Optos, Altos or Optos Clerestory

**Storefront:**
Connects to a straight run of Optos at an angle

### Articulating Three-Way Corners

**Demising Wall:**
Can be straight run Optos, Altos or Optos Clerestory

**Storefront:**
Connects two straight runs of Optos at an angle

**Articulating Two-Way Corner Connection (FZFCF2)**
Connects two straight runs of Optos at an angle

**Articulating Three-Way Connection (FZFCF3)**
Connects a two faceted module or two straight runs of Optos with a straight run of Optos.
clerestory — 10mm & 12mm
clerestory – 10mm & 12mm

clerestory basics

An Optos clerestory module consists of Optos clerestory above 84” and Altos below and is available in 10mm glass only.

- Tempered Glass is only available in Standard Clear
- Textured glass is not available
- If a finished wall end is required for an Optos Clerestory module wall, use the Optos (FZFF/FXFF)
- If a filler panel is required with an Optos Clerestory wall, use the Optos Adjustable Wall Start (FZWS/FXWS)

**Clerestory Glass Module (FZCG/FXCG)**
- Is a framed, single centered glass fascia
- Glass is 6mm and available in tempered or laminated
- Tempered glass is available in Clear
- Laminated glass is available in Clear, Frost and Vanceva Specialty Glass

**Clerestory In-Line Connection with Optos (FZCCX1/FXCCX1)**
- Connects a wall with Optos clerestory in line with a full-height Optos wall
- Available in a Clear Anodized or Painted finish
- Available in 1” height increments of 94”-120”

**Clerestory Three-Way Connection with Altos (FZCCA3/FXCCA3)**
- Connects an Optos clerestory wall with two Altos walls
- Available in a Clear Anodized or Painted finish, Fascia Laminates or Flintwood
- Available in 1” height increments of 94”-120”

**Clerestory Two-Way 90° Corner Connection with Optos (FZCCX2/FXCCX2)**
- Connects an Optos clerestory wall to a full-height Optos wall or Optos door frame at 90°
- Available in a Clear Anodized or Painted finish
- Available in 1” height increments of 94”-120”

**Clerestory Two-Way 90° Corner Connection with Altos (FZCCA2/FXCCA2)**
- Connects an Optos clerestory wall with an Altos wall at 90°
- Available in a Clear Anodized or Painted finish, Fascia Laminates or Flintwood
- Available in 1” height increments of 46”-120”

**Clerestory Post (FZCFV/FXCFV)**
- Is the full height vertical support for walls with Optos clerestory modules.
- Includes enough Fascia connectors and bolts to support horizontal mounting at up to three levels (working wall)
- Is used to connect a clerestory module to another clerestory module or to an Optos wall or to a corner connection.
- Available in 1” height increments of 94”-120”
An Optos clerestory module consists of Optos clerestory above 84" and Altos below.

- Tempered Glass is only available in Standard Clear
- Textured glass is not available
- If a finished wall end is required for an Optos Clerestory module wall, use the Filler Panel (FZFF/FXFF)
- When a filler panel is used, an Adjustable Wall Start (FZWS/FXWS) is required
Optos clerestory walls must be used in conjunction with an Optos wall and cannot be used to create enclosures on their own.

- Optos clerestory is used above an 84” high Altos module
- Clerestory modules help to maintain a uniform and continuous look between Optos and Altos wall systems
- Planning with Optos clerestory on demising walls and back walls of private offices maximize light transmission while maintaining functionality and privacy
- Clerestory modules follow Altos planning rules
- Solid Altos Fascias below the Optos clerestory can provide added functionality such as whiteboards, tackboards and the ability to hang furniture

Continuous
Available in 36”, 48”, 72”, 96” and 120” widths

Altos Fascia Elevation types below Optos Clerestory are available as follows (Elevations are shown below 84” height):

- Segmented
- Monolithic
- Working Wall
- Working Wall Monolithic

Module width for Clerestory and Altos
12” - 48”

Optos 10mm Glass

Planned as Optos

Planned as Altos

Clerestory Glass Module (FZCG/FXCG)

Ceiling Top Spacer (FZFP/FXFP)

Ceiling Frame Beam (FZFC/FXFC)

Segmented Monolithic (FFSM1)

Clerestory Vertical Post (FZCFV/FXCFV)

Base Channel (Altos) (FKC/FKB)
The following details should be taken into consideration when planning with Optos clerestory.

When an Optos Clerestory Wall connects to an existing building, the Altos Wall Start (FKW) is used.

- Optos clerestory cannot be used above Optos or Altos doors
- It can only be used above Altos Fascias
The following details should be taken into consideration when planning with Optos clerestory.

Optos clerestory cannot be used in-line with Optos doors.

• Optos clerestory cannot connect inline with Altos. Inline connections can only be made with Optos or another Optos Clerestory module
• Optos clerestory must be used in conjunction with an Optos wall
electrics
An Electrical Side Panel is available to accommodate a light switch module or an Electrical Module.

**Receptacle Module (ERM)**
- Allows power to be used in an Optos Application
- An Electrical Side Panel with Vertical Cut Out (FZS2/FXS2) must be specified to accommodate the Module
- Module will be mounted at 18” from floor

**Light Switch (ELS)**
- Allows for a light switch in an Optos Application
- An Electrical Side Panel without Vertical Cut Out (FZS1/FXS1) must be specified to accommodate this Module. The opening to accommodate the Switch is to be cut on-site

*The Electrical Side Panel (FZS/FXS) is shown with a Receptacle Module and a Light Switch. The Vertical Cut Out (FZS2/FXS2) would be ordered in this application*

*The cut out for the Receptacle Module comes pre-cut in the panel and the cut out for the Light Switch would be cut on site*
The following two conditions should be considered when incorporating the Electrical Side Panel.

- Electrical Side Panels (FZS/FXS) are used near door openings to house electrical switches and receptacles.
- The Electrical side panel must be used under a Ceiling Frame Beam and not under spans of the Barn Door Rail. The panel should therefore be planned on the side adjacent to a Barn Door where the rail is not used.
- Power can be brought in through the top or bottom channel of the Electrical Side Panel.

Power cannot be run through the top of the Barn door Rail

The electrical panel should be placed on the opposite side

It is advisable to avoid the use of an Electrical side panel at an in line Optos to Altos transition. Instead use the internal electrical routing capabilities of Altos.

- Power cannot be brought through the Optos vertical and into the Electrical Side Panel.
- See Altos application guidelines for bringing power through Altos.

Power should be run through the top or bottom of Altos panels.