what is altos
Altos is a full-height architectural wall system with the ability to create complete office environments. Fully equipped with walls, electrical and communication solutions, Altos responds to the evolving needs of business.

- Altos is available in two planning formats; Altos Portrait and Altos Landscape
- Altos walls can be used almost anywhere on a building floor plate where the ceiling height is between 8'-0" and 10'-0"
- Altos cannot be used as a fire separation
- Maximum Altos Portrait and Landscape wall run is 16’ in non-seismic zones – for seismic zones, please contact your Altos representative

- Altos readily furnishes privacy requirements in spaces like private offices, team rooms, boardrooms and shared workspaces
- Altos is designed so that its simple, clean aesthetic blends seamlessly with existing office environments and complements building interiors
- An array of Fascias provides many options to create stylish statements and to personalize the office landscape
- Altos can be simply reconfigured and relocated in a cost-efficient manner as required

Altos Portrait (shown)
what is altos

altos portrait

freestanding

interface with building architecture

altos landscape

freestanding

interface with building architecture
The following illustrations demonstrate the distinction between Altos Portrait and Altos Landscape.

<table>
<thead>
<tr>
<th></th>
<th>Altos Portrait</th>
<th>Altos Landscape</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Width range</strong></td>
<td>12” - 48” (1/8” increment)</td>
<td>12” - 120” (1/8” increment)</td>
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<tr>
<td><strong>Planning</strong></td>
<td>On-module</td>
<td>Off-module</td>
</tr>
<tr>
<td><strong>Acoustics</strong></td>
<td>Enhanced</td>
<td></td>
</tr>
<tr>
<td><strong>Grain Direction</strong></td>
<td>Vertical</td>
<td>Horizontal</td>
</tr>
</tbody>
</table>
what is altos

initial considerations

Step 1 – Drawing Review
Accurate drawings of existing site conditions are necessary to ensure a successful Altos Installation. The following information is required prior to specifying Altos walls:

- Dimensioned plan identifying columns, sill conditions, window mullions, etc.
- Identify critical dimensions and unique site conditions that may impact Altos walls
- Take field dimensions, if possible and/or identify hold-to dimensions
- Local Code requirements and restrictions should be reviewed

the floor plan

Architectural plan identifies:
Location of walls, glass columns, door swings, electrical receptacles and other building architecture

Points of integration with building architecture such as window mullions and sill conditions

the reflected ceiling plan
Ceiling height should be measured in at least three places

Reflected ceiling plan identifies
- Location and size of T-bar grid or drywall ceiling
- Location of all lighting, HVAC, sprinklers and other equipment particularly if they are not going to be moved to accommodate Altos
Step 2 – Determining Ceiling Height

The ceiling height measurement is critical for the physical fit of the product as well as the aesthetic of the wall in the space.

- Dimensioned plan identifying columns, sill conditions, window mullions, etc.
- For large floor areas, a laser level should be used to determine differences between finished floor and finished ceiling.
- Ceiling to floor dimensions should be taken and noted at 48” – 60” intervals along the Altos wall location.
- It is better to expand the vertical post levelers rather than compress them.

In the example above, either 101” or 102” wall height could be used however, the better choice would be 101”. This avoids near full compression of the levelers that would be necessary with the 102” wall height.
what is altos

how to specify altos

Step 1 – Fascia & Door Packages
Specifying Fascia types and sizes determines the footprint of the Altos office.
• Fascias include surfaces only and conceal the structural supports which must be specified
• Specify Fascia packages to meet required wall lengths and locations
• Locate door packages, including transom and ceiling fascias as required

Step 2 – Frame Kits
Frames are specified to correspond to Fascia specifications.
• Calculate quantities and specify Ceiling Channel, Ceiling Clips, if applicable and Wall Gasket
• Specify the Vertical Posts and Horizontal Rails as determined by Fascia elevations
• Specify corner connections and appropriate method for attaching Altos walls to the building (Wall Start, Adjustable Wall End, Filler Panel, etc.)

Step 3 – Power & Communication
The electronics and communication locations should be determined in conjunction with the Fascias so that the appropriate Fascias are ordered
• Locate electrical and communication outlets
• Select method of providing power and communications (by contractor or Altos product)
• Specify appropriate product
Step 4 – Worksurface & Storage

A variety of Teknion Worksurface and Storage components are available to compliment Altos

**Portrait:**

- If wall mounting, worksurfaces and overhead storage must be mounted on-module (match wall module width)
- Specify worksurfaces, worksurface supports and storage as appropriate

**Landscape:**

- Specify Landscape Collection:
  - Desk, Wall-Mounted Cabinet, Shelving, and Lighting
- Any internal frame required is automatically updated within Storyboard
  - Ex: Functional rail for Storage unit
  - Ex: Internal framework for desk
- Specify additional accessories:
  - Fitted Seat cushion, Power Cube, Rectangular Grommet

---

Step 5 – Integration with Optos

- Altos walls integrate seamlessly with Optos walls
- Altos walls and Optos walls can be designed to compliment each other
- Connectors and trims available to connect Altos to Optos
- See Optos Price Guide and Application Guide for details
- Altos Landscape is not compatible with Optos Clerestory
application guide
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<th>Page</th>
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<td>PORTRAIT – FASCIAS</td>
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fascias

F P B  Base Fascia
F P C  Ceiling Fascia
F P M 1  Solid Fascia – Monolithic
F P F 1  Solid Fascia – Full
F P S 1  Solid Fascia – Segmented (Level I)
F P S 2  Solid Fascia – Segmented (Level II)
F P S M 1  Solid Fascia – Segmented Monolithic (Level I)
F P S M 2  Solid Fascia – Segmented Monolithic (Level II)
F P W 1  Solid Fascia – Working Wall (Level I)
F P W 2  Solid Fascia – Working Wall (Level II)
F P W 3  Solid Fascia – Working Wall (Level III)
F P W M 1  Solid Fascia – Working Wall Monolithic (Level I)
fascias (continued)

- FPWM3 Solid Fascia – Working Wall
  Monolithic (Level III)

- FPGR Glass Fascia – Single Centered,
  Round Corner

- FPSCS Glass Fascia – Single Centered,
  Square Corner

- FPDR Glass Fascia – Double, Round
  Corner

- FPDS Glass Fascia – Double, Square
  Corner

- FPGS Glass Fascia – Single Centered,
  Square Corner

- FPAM1 Acoustic Fascia – Monolithic

- FPAF1 Acoustic Fascia – Full

- FPA1 Acoustic Fascia – Segmented (Level I)

- FPA2 Acoustic Fascia – Segmented (Level II)

- FPASM1 Acoustic Fascia – Segmented
  Monolithic (Level I)

- FPASM2 Acoustic Fascia – Segmented
  Monolithic (Level II)

- FPAW1 Acoustic Fascia – Working Wall (Level I)
fascias (continued)

FPAW2  Acoustic Fascia – Working Wall (Level II)

FPAW3  Acoustic Fascia – Working Wall (Level III)

FPAM1  Acoustic Fascia – Working Wall Monolithic (Level I)

FPAM3  Acoustic Fascia – Working Wall Monolithic (Level III)

FPATS1  Acoustic Tackable Fascia – Segmented (Level I)

FPATS2  Acoustic Tackable Fascia – Segmented (Level II)

FPATF1  Acoustic Tackable Fascia – Full Height

FPATM1  Acoustic Tackable Fascia – Monolithic

FPATSM1  Acoustic Tackable Fascia – Segmented Monolithic (Level I)

FPATSM2  Acoustic Tackable Fascia – Segmented Monolithic (Level II)

FPATW1  Acoustic Tackable Fascia – Working Wall (Level I)

FPATW2  Acoustic Tackable Fascia – Working Wall (Level II)
### Fascias (continued)

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<td>Level III</td>
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<td>Acoustic Tackable Fascia – Working Wall Monolithic</td>
<td>Level I</td>
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<tr>
<td>FPATWM3</td>
<td>Acoustic Tackable Fascia – Working Wall Monolithic</td>
<td>Level III</td>
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<tr>
<td>FPMPS1</td>
<td>Micro Perforated Metal Acoustic Fascia – Segment</td>
<td>Level I</td>
</tr>
<tr>
<td>FPMPS2</td>
<td>Micro Perforated Metal Acoustic Fascia – Segment</td>
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<td>FPMPSM1</td>
<td>Micro Perforated Metal Acoustic Fascia – Segment Monolithic</td>
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<td>Micro Perforated Metal Acoustic Fascia – Working Wall</td>
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</tr>
<tr>
<td>FPMPW2</td>
<td>Micro Perforated Metal Acoustic Fascia – Working Wall</td>
<td>Level II</td>
</tr>
<tr>
<td>FPMPW3</td>
<td>Micro Perforated Metal Acoustic Fascia – Working Wall</td>
<td>Level III</td>
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</tbody>
</table>

### Images

- FPATW3 Acoustic Tackable Fascia – Working Wall (Level III)
- FPATWM1 Acoustic Tackable Fascia – Working Wall Monolithic (Level I)
- FPATWM3 Acoustic Tackable Fascia – Working Wall Monolithic (Level III)
- FPMPS1 Micro Perforated Metal Acoustic Fascia – Segment (Level I)
- FPMPS2 Micro Perforated Metal Acoustic Fascia – Segment (Level II)
- FPMPSM1 Micro Perforated Metal Acoustic Fascia – Segment Monolithic (Level I)
- FPMPSM2 Micro Perforated Metal Acoustic Fascia – Segment Monolithic (Level II)
- FPMPW1 Micro Perforated Metal Acoustic Fascia – Working Wall (Level I)
- FPMPW2 Micro Perforated Metal Acoustic Fascia – Working Wall (Level II)
- FPMPW3 Micro Perforated Metal Acoustic Fascia – Working Wall (Level III)
fascias (continued)

FPMB W3 Sheet Metal Backer – Working Wall (Level III)
FPMB S1 Sheet Metal Backer – Segmented (Level I)
FPMB WM1 Sheet Metal Backer – Working Wall Monolithic (Level I)
FPMB S2 Sheet Metal Backer – Segmented (Level II)
FPMB WM3 Sheet Metal Backer – Working Wall Monolithic (Level III)
FPMB SM1 Sheet Metal Backer – Segmented Monolithic (Level I)
FPMB SM2 Sheet Metal Backer – Segmented Monolithic (Level II)
FPMB W1 Sheet Metal Backer – Working Wall (Level I)
FPMB W2 Sheet Metal Backer – Working Wall (Level II)
FPMB WSM2 Sheet Metal Backer – Segmented Monolithic (Level II)
FPMB WSM3 Sheet Metal Backer – Working Wall Monolithic (Level III)
FPMB FPRB Fabric Wrapped Base Fascia
FPMB FPRC Fabric Wrapped Ceiling Fascia
FPMB FPRM1 Fabric Wrapped Fascia – Monolithic
fascias (continued)

<table>
<thead>
<tr>
<th>F P M T</th>
<th>Smart Fascia – Tackable</th>
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<tbody>
<tr>
<td>F P M M F</td>
<td>Framed Backpainted Glass Markerboard</td>
</tr>
<tr>
<td>F D M M F D</td>
<td>Framed Backpainted Glass – Markerboard Double Span</td>
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</tbody>
</table>

FFFK Aluminum Fascia Kit

Portrait
fascias (continued)

- **F L B** Landscape Base Fascia
- **F L C** Landscape Ceiling Fascia
- **F L W 1** Landscape Solid Fascia – Working Wall (Level I)
- **F L W 2** Landscape Solid Fascia – Working Wall (Level II)
- **F L W 3** Landscape Solid Fascia – Working Wall (Level III)
- **F L W M 1** Landscape Solid Fascia – Working Wall Monolithic (Level I)
- **F L W M 3** Landscape Solid Fascia – Working Wall Monolithic (Level III)
- **F L B W 1** Landscape Solid Fascia – Working Wall Bottom (Level I)
- **F L B W M 1** Landscape Solid Fascia – Working Wall Monolithic Bottom (Level I)
- **F L B W 2** Landscape Solid Fascia – Working Wall Bottom (Level II)
- **F L B W M 1** Landscape Solid Fascia – Working Wall Monolithic Bottom (Level II)
- **F L T W 1** Landscape Solid Fascia – Working Wall Top (Level I)
- **F L T W 2** Landscape Solid Fascia – Working Wall Top (Level II)
### Fascias (continued)

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<td>F L R B</td>
<td>Landscape Fabric Wrapped Base Fascia</td>
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<td>F L R C</td>
<td>Landscape Fabric Wrapped Ceiling Fascia</td>
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<tr>
<td>F L R W 1</td>
<td>Landscape Fabric Wrapped Fascia (Level I)</td>
</tr>
<tr>
<td>F L R W 2</td>
<td>Landscape Fabric Wrapped Fascia (Level II)</td>
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<tr>
<td>F L R W 3</td>
<td>Landscape Fabric Wrapped Fascia (Level III)</td>
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<tr>
<td>F L R W M 1</td>
<td>Landscape Fabric Wrapped Fascia – Working Wall Monolithic (Level I)</td>
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<td>F L R W M 3</td>
<td>Landscape Fabric Wrapped Fascia – Working Wall Monolithic (Level III)</td>
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<tr>
<td>F L R B W 1</td>
<td>Landscape Fabric Wrapped Fascia – Working Wall Bottom (Level I)</td>
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<td>F L R B W 2</td>
<td>Landscape Fabric Wrapped Fascia – Working Wall Bottom (Level II)</td>
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<tr>
<td>F L R T W 1</td>
<td>Landscape Fabric Wrapped Fascia – Working Wall Top (Level I)</td>
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<td>F L R T W 2</td>
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<td>Fascia Type</td>
<td>Description</td>
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<td>F L D F W 1</td>
<td>Landscape Fixed Desk Fascia (Level I)</td>
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<td>Landscape Fixed Desk Fascia – Working Wall Monolithic (Level I)</td>
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<td>F L D H W 1</td>
<td>Landscape Height-Adjustable Desk Fascia (Level I)</td>
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<td>F L J B</td>
<td>Landscape Justified Base Fascia</td>
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<td>F L J W 2</td>
<td>Landscape Justified Solid Fascia – Working Wall (Level II)</td>
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<td>F L J W M 3</td>
<td>Landscape Justified Solid Fascia – Working Wall Monolithic (Level III)</td>
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<td>F L J B W 2</td>
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<td>F L J R B</td>
<td>Landscape Justified Fabric Wrapped Base Fascia</td>
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fascias (continued)
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<tr>
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### Fascias (continued)

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<th>Portrait &amp; Landscape</th>
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<tr>
<td><strong>F F F</strong> Filler Panel</td>
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<tr>
<td><strong>F K C N 9 0</strong> Two-Way 90° Corner Cover</td>
<td></td>
</tr>
<tr>
<td><strong>F K C N 1 2 0</strong> Two-Way 120° Corner Cover</td>
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</tr>
<tr>
<td><strong>F K C N 1 3 2</strong> Two-Way 135° Corner Cover</td>
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<td><strong>F K C N 1 3 3</strong> Three-Way 135° Corner Cover</td>
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<td><strong>F K C N 1 8 0</strong> Three-Way 180° Corner Cover</td>
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<td>Model</td>
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<tr>
<td>F P D H</td>
<td>Hinged Door – Solid</td>
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<tr>
<td>F D H</td>
<td>Hinged Door</td>
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<tr>
<td>F P D P Z</td>
<td>Framed Glass Door – Pivot Low Profile</td>
</tr>
<tr>
<td>F D P Z</td>
<td>Framed Glass Pivot Door</td>
</tr>
<tr>
<td>F P D J</td>
<td>Hinged Door – Glass</td>
</tr>
<tr>
<td>F D J</td>
<td>Hinged Glass Door</td>
</tr>
<tr>
<td>F P D E</td>
<td>Hinged Double Door – Glass</td>
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<td>F D E</td>
<td>Hinged Glass Double Door</td>
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<td>F P D D</td>
<td>Hinged Double Door – Solid</td>
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<tr>
<td>F D D</td>
<td>Hinged Double Door</td>
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<tr>
<td>F D C</td>
<td>Glass Barn Door</td>
</tr>
<tr>
<td>F D C Z</td>
<td>Glass Barn Door Low Profile</td>
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</tbody>
</table>
door packages (continued)

FD S  Solid Barn Door

FD I  Barn Door with Glass Insert

FD L  Double Glass Barn Door

FD L Z  Double Glass Barn Door
Low Profile
### Frame Kits & Components

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Image</th>
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<tr>
<td>F K N</td>
<td>Ceiling Channel</td>
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<td>F K C</td>
<td>Base Channel – Continuous</td>
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<tr>
<td>F K P</td>
<td>Ceiling Clips</td>
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<td>F P K K</td>
<td>Horizontal Rail</td>
<td><img src="image4.png" alt="Image" /></td>
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<td>F P K H</td>
<td>Horizontal Rail Packages</td>
<td><img src="image5.png" alt="Image" /></td>
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<td>F K V</td>
<td>Vertical Post Packages</td>
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<td>Wall Start</td>
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<td>Adjustable Wall Start</td>
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<td>Wall Finished End</td>
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<td>F K C H</td>
<td>Hardware for Altos Corner Connections</td>
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</table>
frame kits & components (continued)

- FKCA2 Articulating Two-Way Corner
- FKCA3 Articulating Three-Way Corner
- FKCA4 Four-Way Connection
- FKCA5 Three-Way 180° Module Connection
- FKJ Wall Gasket
- FKJC Vertical Reveal Corner Kit
- FKTF Double Door Frame Package – Full-Height
- FKTS Double Door Transom & Frame Package – Segmented-Height
- FPFES Hinged Double Door Transom & Frame – Glass Segmented Height
- FKTES Hinged Glass Double Door Transom & Frame Package – Segmented-Height
- FKDF Door Frame Kit
- FPGFR Barn Door Rail Kit for Full Height Door – Low Profile
### Frame Kits & Components (continued)

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<td>FPUGFJ</td>
<td>Barn Door Jamb Kit for Full Height Glass Door – Low Profile</td>
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<tr>
<td>FPBFR</td>
<td>Barn Door Rail Kit for Full-Height Door</td>
</tr>
<tr>
<td>FPBSFJ</td>
<td>Barn Door Jamb Kit for Full-Height Solid Door</td>
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<tr>
<td>FPBGFJ</td>
<td>Barn Door Jamb Kit for Full-Height Glass Door</td>
</tr>
<tr>
<td>FPBSR</td>
<td>Barn Door Rail Kit for Segmented-Height Door</td>
</tr>
<tr>
<td>FPBSJ</td>
<td>Barn Door Jamb Kit for Segmented-Height Solid Door</td>
</tr>
<tr>
<td>FPBGSJ</td>
<td>Barn Door Jamb Kit for Segmented-Height Glass Door</td>
</tr>
<tr>
<td>FPBSFJ</td>
<td>Barn Door Rail Kit for Full-Height Solid Door</td>
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<tr>
<td>FPPLGFR</td>
<td>Double Barn Door Rail Kit for Full-Height Door</td>
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<tr>
<td>FPVLGFJ</td>
<td>Double Barn Door Jamb Kit for Full-Height Glass Door</td>
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<tr>
<td>FPVGFJ</td>
<td>Double Barn Door Rail Kit for Full-Height Door – Low Profile</td>
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<td>FPVGFJ</td>
<td>Double Barn Door Jamb Kit for Full-Height Glass Door – Low Profile</td>
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<tr>
<td>FKPSZ</td>
<td>Glass Pivot Door Solid Frame Kit</td>
</tr>
</tbody>
</table>
frame kits & components (continued)

F P F P S  Framed Pivot Door Frame
– Low Profile

F P F H S  Hinged Door Frame – Solid

F P F J S  Hinged Door Frame – Low Profile

F P F D S  Hinged Double Door Frame – Solid

F T T  Installation Tools

Male Connector Insertion Tool
Reveal Wire Management Insertion Tool
Horizontal Field Cut Kit
Fascia Removal Tool

Full  Segment

Foam Tape (1)  Foam Tape (2)

Drill Stop Assembly
Jig To Drill Fascias in the Field

F B G  Horizontal Grommet

F A I  Recycled Cotton Insulation

F B B  Base Leveler

F B E  Horizontal End Cap

F B N  Horizontal Connector Bolt

F B F M  Fascia Connector – Male
frame kits & components (continued)

- FLKVP  Landscape to Portrait Vertical Post Package
- FLKF  Landscape Functional Rail Kit
- FLKLF  Landscape Functional Rail Kit
- FLKH  Landscape Horizontal Rail Package
- FLKV  Landscape Vertical Post Package
- FLKVF  Landscape Vertical Functional Rail Package
- FLKW  Landscape Adjustable Wall Start
- FLDF  Landscape Desk Frame
- FLBFR  Landscape Barn Door Rail Kit for Full-Height Door
- FLBGFJ  Landscape Barn Door Jamb Kit for Full-Height Glass Door
- FLUGFR  Landscape Barn Door Rail Kit for Full-Height Door – Low Profile
- FBLFR  Fascia to Full-Height Barn Door Rail Kit
- FBLGJ  Fascia to Full-Height Barn Door Jamb Kit
- FBLJG  Fascia to Full-Height Barn Door Jamb Kit
- FBLF  Fascia to Full-Height Barn Door Fascia Frame
- FBLK  Fascia to Full-Height Barn Door Fascia Lock
- FPKB  Base Channel – Modular
frame kits & components (continued)

<table>
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<tr>
<th></th>
<th>FLUGFJ</th>
<th>Landscape Barn Door Jamb Kit for Full-Height Glass Door – Low Profile</th>
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<tr>
<td></td>
<td>FLBSR</td>
<td>Landscape Barn Door Rail Kit for Segmented-Height Door</td>
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<tr>
<td></td>
<td>FLBSJ</td>
<td>Landscape Barn Door Jamb Kit for Segmented-Height Glass Door</td>
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</tbody>
</table>
tv shroud

FFSFA  TV Shroud Fascia  FFSPP  TV Shroud Power Feed  FFSDB  TV Shroud Distribution Box
lighting, electrics & communications

**ELS** Light Switch

**ERM** Receptacle Module

**ECM** Communications Module

**EFC C** Fascia Cover Cap

**Hardwire**

**EPDMC** Power Data Vertical Module – Communication

**EPDMS** Power Data Vertical Module – Single

**EPDM D** Power Data Vertical Module – Double

**Power Data**

**EPDM T** Power Data Vertical Module – Triple

**EPDM Q** Power Data Vertical Module – Quad

**EPDHC** Power Data Horizontal Module – Communication
lighting, electrics & communications (continued)

**Power Data**

- **EPDHS** Power Data Horizontal Module – Single
- **EPDHD** Power Data Horizontal Module – Double
- **EPDSC** Power Data Starter Cable
- **EPDCH** Power Data Connecting Harness
- **EPDIC** Power Data Inline Connector
- **EPDDB** Power Data Four-Way Splitter

**Landscape**

- **ELWML** Landscape Wall-Mounted Light
- **ELPF** Light Power Feed
- **ELWDB** In-Wall Distribution Box
- **ELDH** Landscape Desk Connecting Harness
- **ELWMG** Landscape Light Wire Management
- **ECF** Ceiling/Underfloor Feed
lighting, electrics & communications (continued)

<table>
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<tr>
<th>Power Accessories</th>
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<td>ELPR Power Rod</td>
<td>EPWRC Power Cube</td>
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mounted storage & accessories

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<tr>
<th>FMCH</th>
<th>Coat Hook</th>
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<td>FMAH</td>
<td>Art Hook</td>
</tr>
<tr>
<td>FMO</td>
<td>Office Signage</td>
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**KT**  Touch-Up Kits

Xpress

**FLON**  On-Module Cantilever

**TLFL**  Fixed Height Gable

**FLCB**  On-Module Corner Bracket

**FFK**  Control Key

Small Brushes (KT100)  Edge Banding (KT500)  Crayon (KT401)  Marker (KT402)

Right  Left
collection – landscape

F L D F X  Landscape Desk Fixed
F L D F X C  Landscape In-Wall Connection for Fixed Desk
F L D H A  Landscape Desk Height-Adjustable

F L D H A C  Landscape In-Wall Connection for Height-Adjustable Desk
F L G R  Rectangular Grommet
F L W C O  Landscape Wall-Mounted Open Cabinet

F L W C S  Landscape Wall-Mounted Sliding Door Cabinet
F L F C  Landscape Fitted Seat Cushion
F L S A  Landscape Shelf Aluminum

F L S G  Landscape Shelf Glass
F L S S  Landscape Shelf Solid
F L T W  Landscape Tray Whiteboard
understanding portrait
understanding portrait

PLANNING POSSIBILITIES – PRIVATE OFFICE ................. 48

PLANNING POSSIBILITIES – EXECUTIVE OFFICE .............. 49

PLANNING POSSIBILITIES – BOARDROOM ..................... 50

PLANNING POSSIBILITIES – TRAINING ROOM ................ 51
Altos Portrait is a full height architectural wall system with vertically spanning fascias with the ability to create complete office environments. Portrait walls can be simply reconfigured and relocated in a cost-efficient manner as required.

- Altos readily furnishes privacy requirements in spaces like private offices, team rooms, boardrooms and shared workspaces
- Altos is designed so that its simple, clean aesthetic blends seamlessly with existing office environments and complements building interiors
- An array of Fascias provides many options to create stylish statements and to personalize the office aesthetic
Full-height Altos walls combine privacy and elegance to respond to today’s managerial needs.

**Worksurfaces** in a variety of shapes and sizes mount to Altos to meet a multitude of work styles.

**Clear glass** permits visual access and light transmission.

**Solid Fascias** form walls to provide visual and acoustic privacy.

The **Power/Communication Module** supplies semi-concealed face-mounted power and communications at workurface height. Its high level of finish is suitable for managerial applications.
planning possibilities – executive office

The **Smart Fascia Accessory** suspends paper management accessories such as Personal Organizers, 3K and 6K Shelves for enhanced functionality.

**Glass Fascias** at clerestory level permit light transmission while maintaining visual and acoustic privacy.

**Flintwood Veneers** compliment the full range of Teknion executive offices.

Access to **face-mounted power and communications** is conveniently located at 18” above the finished floor.
Solid walls with glass at clerestory level allow light transmission while preserving visual and acoustic privacy. Glass can be specified as clear, frosted or architectural.

Wall surface functionality is enhanced by mounted 3" Shelves that provide a ledge for resting light objects or boards.

A variety of wall widths are offered to attain varied dimensions, appropriate to boardrooms.

Floor-to-ceiling frosted glass furnishes visual and acoustic privacy without sacrificing light.

Doors can be finished to match adjacent wall modules. In the segmented height option, a glass transom permits light transmission.

Face-Mounted Receptacle and Communication Modules supply immediate access to power and communications at base height.
Altos configures simply and efficiently to address contemporary training requirements.

The **Smart Fascia** - **Tackable** displays paper-based information and the **Smart Fascia** - **Whiteboard** supplies an erasable surface to communicate concepts.

**Solid Fascias** combined with clerestory glass create a focused learning environment while permitting light transmission and are available in finishes ranging from warm to cool hues. Integrated **Smart Fascias** maximize wall capabilities.

**Clerestory** provides light transmission into room.

**Double Glass Fascias** allow for visual access while maintaining acoustic privacy.
portrait – fascias
portrait – fascias

FASCIA ELEVATION OVERVIEW ........................................ 54

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PLANNING WITH ACOUSTIC & FABRIC WRAPPED FASCIAS ...... 60

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PLANNING WITH SMART FASCIAS .................................... 62

FILLER PANEL BASICS ..................................................... 63

FASCIA FINISHES - PORTRAIT ........................................... 64
Fascias are used to create the faces of Altos walls and are configured into four wall types depending on the Fascia selection.

- Fascias are available in a variety of solid and glass finishes that correspond to the selected wall elevation
- Fascias are built-up to complete the front and back elevation of a wall module and solid Fascias do not need to be identical
- Wall modules that require electrics or communications are specified by ordering Fascias that come complete with cut outs
- Power and communication receptacle cut outs can be specified with solid and fabric wrapped Fascias, except 4” base fascias
- A Light Switch (ELS) can be installed on Solid Fascias. For more information on the Light Switch, refer to the Lighting, Electrics & Communications section
- The structural members are not included with all Fascias
- Wall elevation types must be installed from floor to ceiling
- Fascias are available in widths from 12” – 48” in 1/8” increments
- Acoustic Fascias are not available for base, ceiling or W3, S2 fascias below 12” in height; use Fabric Wrapped fascias in these applications
- The 4” and 6” base and ceiling cannot be mixed; both must be 4” or 6” only

Also available but not shown:

Two-Way 135° Corner Cover (FKCN132)
Provides a full-height trim for two walls connected at 135°

Three-Way 135° Corner Cover (FKCN133)
Provides a full-height trim for three walls connected at 135°

Three-Way 180° Corner Cover (FKCN180)
Provides the full-height trim for three walls connected at 180°

Two-Way 90° Corner Cover (FKCN90)
Provides the full-height trim for two walls connected at 90° at Two-Way Connection 90° Corner
### Possible Configurations

<table>
<thead>
<tr>
<th>Monolithic Elevation</th>
<th>Full Elevation</th>
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<tbody>
<tr>
<td>Monolithic Fascias (M1):</td>
<td>Full Fascias (F1):</td>
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<tr>
<td>• Provides a single Fascia from floor-to-ceiling</td>
<td>• One surface Fascia between the 4” or 6” Base and Ceiling Fascias</td>
</tr>
<tr>
<td>• No Base or Ceiling Fascia</td>
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</table>

<table>
<thead>
<tr>
<th>Segmented Elevation</th>
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</thead>
<tbody>
<tr>
<td>Segmented Fascias (S1, S2):</td>
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<tr>
<td>• Two surface Fascias between the 4” or 6” Base and Ceiling Fascias</td>
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<table>
<thead>
<tr>
<th>Working Wall Elevation</th>
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<tbody>
<tr>
<td>Working Wall Fascias (W1, W2, W3):</td>
</tr>
<tr>
<td>• Three surface Fascias between the 4” or 6” Base and Ceiling Fascias</td>
</tr>
<tr>
<td>• Accommodates Smart Fascias</td>
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</table>

<table>
<thead>
<tr>
<th>Base Fascia and Ceiling Fascia</th>
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<tbody>
<tr>
<td>Base Fascias:</td>
</tr>
<tr>
<td>• Provides a solid flush finish at the bottom of a wall elevation</td>
</tr>
<tr>
<td>• Accommodates base electrics and communications option</td>
</tr>
<tr>
<td>• Two cut outs cannot be specified for Fascias less than 21” wide</td>
</tr>
<tr>
<td>• Three cut outs cannot be specified for Fascias less than 30” wide</td>
</tr>
<tr>
<td>• Can not be used with Monolithic Fascias</td>
</tr>
</tbody>
</table>

| Ceiling Fascia: |
| • Provides a solid flush finish to the top of a wall elevation |
| • Can not be used with Monolithic Fascias |
### Specifying Fascia Heights - Portrait

#### 4" Base and Ceiling Fascia (FPB, FPC, FPRB, FPRC)
- With ceiling height (CH), calculate height Dimension X" for a fascia configuration (M1, F1, S1, S2, SM1, SM2, W1, W2, W3, WM1, WM3).
- See if the product code’s Fascia Height Range satisfies the calculated height Dimension X".

**Fascia Height Calculation (inch)**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Fascia Description</th>
<th>M1</th>
<th>F1</th>
<th>S1</th>
<th>S2</th>
<th>SM1</th>
<th>SM2</th>
<th>W1</th>
<th>W2</th>
<th>W3</th>
<th>WM1</th>
<th>WM3</th>
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<tbody>
<tr>
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<td></td>
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<td>6-36</td>
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<tr>
<td>FPGCR_</td>
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**Fascia Height Range (inch)**

- FP_: 86-120, 74-112
- FPC_: 6-32, 84, 6-36
- FPR_: 6-32, 6-36
- FPRB_: 86-120, 74-112, 6-32, 6-36
- FPRC_: 86-120, 74-112, 6-32, 6-36
- FPGCR_: n/a, 06-112, 6-32, n/a, n/a, 6-32, n/a, n/a
- FPGCS_: n/a, 06-112, 6-32, n/a, n/a, 6-32, n/a, n/a
- FPDR_: 86-120, 74-112, 8-36, 8-36
- FPDS_: 86-120, 74-112, 8-36, 8-36
- FPA_: 86-120, 74-112, 8-36, 8-36
- FPAT_: 86-120, 74-112, 8-36, 8-36
- FPMP_: n/a, 06-112, 6-32, 6-32, 6-32, 6-32
- FMBR_: n/a, 06-112, 6-32, 6-32, 6-32
- FPR_: 86-120, 74-112, 6-32, 6-36, 6-32, 6-36, 6-32, 6-36
- FPMA_: n/a, 06-112, 6-32, 6-32, 6-32, 6-32
- FPMT_: n/a, 06-112, 6-32, 6-32, 6-32
- FPMW_: n/a, 06-112, 6-32, 6-32, 6-32
- FDMMF_: n/a, 06-112, 6-32, 6-32, 6-32, 6-32, 6-32, 6-32
- FDMMFDF_: n/a, 06-112, 6-32, 6-32, 6-32, 6-32, 6-32, 6-32
- FFFK_: 86-120, n/a
specifying fascia heights - portrait (continued)

6" base and ceiling fascia (FPB, FPC, FPRB, FPRC)
- With ceiling height (CH), calculate height Dimension X" for a fascia configuration (M1, F1, S1, S2, SM1, SM2, W1, W2, W3, WM1, WM3).
- See if the product code’s Fascia Height Range satisfies the calculated height Dimension X".

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Fascia Description</th>
<th>M1</th>
<th>F1</th>
<th>S1</th>
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<tr>
<td>FDMMF</td>
<td>Framed Backpainted Glass</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>FDMMFDS</td>
<td>Framed Backpainted Glass, Double</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FFFK</td>
<td>Aluminum</td>
<td>86-120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**specifying fascias widths**

The Fascia as shown below are offered in 1/8” increments in the widths shown.

<table>
<thead>
<tr>
<th>Fascia</th>
<th>Widths</th>
<th>Fascia</th>
<th>Widths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Fascia (FPB)</td>
<td>12” – 48”</td>
<td>Ceiling Fascia (FPC)</td>
<td>12” – 48”</td>
</tr>
<tr>
<td>Fabric Wrapped Base Fascia (FPRB)</td>
<td>12” – 48”</td>
<td>Fabric Wrapped Ceiling Fascia (FPRC)</td>
<td>12” – 48”</td>
</tr>
<tr>
<td>Solid Fascia - Monolithic, Full, Segmented, Working (FPM, FPF, FPS, FPSM, FPWM, FPW)</td>
<td>12” – 48”</td>
<td>Glass Fascia – Single Center, Double (FPG)</td>
<td>12” – 48”</td>
</tr>
<tr>
<td>Smart Fascia – Accessory, Whiteboard, Tackable, Framed Backpainted Glass Markerboard (FPMA, FPMW, FPMT, FPMMF)</td>
<td>30” – 48”</td>
<td>Framed Backpainted Glass – Markerboard Double Span (FDMMF D)</td>
<td>48” – 96”</td>
</tr>
<tr>
<td>Micro Perforated Metal Acoustic Fascia - Segmented, Working (FPMPS1, FPMPS2, FPMPSMS1, FPMPSMS2, FPMPW1, FPMPW2, FPMPW3, FPMPWM1, FPMPWM3)</td>
<td>12” – 44”</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The Fascia width affects all other products and should be chosen with this in mind.

Where possible, Fascia widths should be used to attain consistent Fascia core widths (i.e., 12”, 18”, 24”, 30”, 36”, 40”, 42” and 48”).

**Core Wall Widths**

- Permits suspending of worksurfaces, mounted storage and accessories
- The 40”, 42” and 48” (Barn Door only) Fascia widths match door widths
- Core Fascia widths accommodate reconfiguration better than 1/8” incremental widths

**Planning with 1” incremental widths**

- Fascias are offered in each 1/8” incremental widths between 12” to 48” for most Fascias
- 1” incremental width Fascias should not be used when hang-on components (worksurfaces, mounted storage and accessories) are required
- These widths do not permit suspending worksurfaces, mounted storage and accessories
- 1/8” incremental width Fascias do not match door widths and reconfigure less easily than core Fascia widths

Width variances can be accommodated by the Filler Panel (FPF) and Adjustable Wall End (FKE). For more information, see the Frame Kits section.

Limiting the number of Fascia width variations simplifies reconfiguration and planning.
Acoustic and Fabric Wrapped Fascias can be used in a variety of applications including training rooms, meeting rooms and private offices.

Acoustic fascias are not available for base, ceiling or W3, S2 fascias below 12” in height; use Fabric Wrapped fascias for these in these applications.

IMPORTANT:
Acoustic fascias have a backer that sits within the wall cavity and therefore cannot span any internal framework (horizontals/vertica ls). The same elevation type should be specified on both sides of the panel when using Acoustic fascias. Fabric Wrapped Fascias should be used when power/communication cut outs are needed.
The Working Wall has the added ability of integrating Smart Fascias to provide a means of personalizing the office space while adding functionality to the vertical surface of the wall.

- Available only with Working Wall elevation at W2 location only
- Smart Fascias can be interchanged with any other Fascia of the same level and width

**Tackboard (FPMT)**
- Is a tackable surface that accommodates the visual display of paper-based information
- Is surrounded by a painted or anodized frame and is available in a variety of Teknion Panel Fabrics

**Whiteboard (FPMW)**
- Provides a dry eraseable magnetic whiteboard surface
- For increased functionality, a 3” Shelf (FMS3) can be specified to sit at the base of the Smart Fascia – Whiteboard (FPMW) to provide a surface for holding markers and brushes or resting light objects and can be found in Complements: Teknion Ergonomics & Accessories Program

- Is slightly inset from its painted or anodized frame to prevent adjacent Fascias from marking when the whiteboard is cleaned (erased)

**Accessory Rail (FPMA)**
- Consists of a 15” high parallel accessory rail and a 33” high upper Fascia
- Provides an accessory rail for the suspension of a variety of paper management accessories including the complete range of the 3” Shelves (FMS3) and the 6” Shelving System (FMS)
- Monitor arms with Accessory Element Mount options YKFA, YKFB, YKFEA cannot be mounted to the Accessory Rail
planning with smart fascias

Smart Fascias can be used in a variety of applications including private offices and meeting rooms.

All Smart Fascias can be used on both sides of applicable wall modules.
The Filler Panel (FPF) is used when an Altos wall surface needs to be cut away to fit the wall around the building structure, usually at the perimeter of the building.

<table>
<thead>
<tr>
<th>Height</th>
<th>Ceiling Height Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>102” (8'-6&quot;)</td>
<td>86” to 102” (7'-2” to 8'-6&quot;)</td>
</tr>
<tr>
<td>108” (9'-0&quot;)</td>
<td>103” to 108” (8'-7” to 9'-0&quot;)</td>
</tr>
<tr>
<td>114” (9'-6&quot;)</td>
<td>109” to 114” (9'-1” to 9'-6&quot;)</td>
</tr>
<tr>
<td>120” (10'-0&quot;)</td>
<td>115” to 120” (9'-7” to 10'-0”)</td>
</tr>
</tbody>
</table>

- One floor to ceiling Fascia, no Ceiling or Base Fascias required
- Available in solid finish only with no horizontal reveals
- Can be cut away to a maximum of 6” from floor to ceiling. Amounts greater than 6” can be cut away above and below the horizontal rails
- Cannot be used against window mullions
The following finishes are available on Altos.

**Solid Fascias**
- Available 12” - 48” wide nominal in 1/8” increments
- Available in Fascia Laminates and Flintwood Veneers
- Available on the 4” or 6” base and ceiling fascias
- Accepts electrical boxes and switches
- Grain direction is vertical for Portrait fascias

**Fabric Wrapped Fascias**
- Available in 12” - 48” wide nominal in 1/8” increments
- Fabric Wrapped fascias provide a frameless fabric finish
- Available on the 4” base and ceiling fascias
- Accepts electrical boxes and switches
- Available in eight architectural fabrics
- Upholstery fabrics are not available
- Fabric direction is horizontal, architectural fabric direction is vertical

**Framed Backpainted Glass – Markerboard Fascias**
- Available 24” - 48” wide nominal in 1/8” increments
- Available magnetic or non-magnetic
- Frame finishes include:
  - Clear Anodized
  - Painted
  - Very White
  - Graphite
  - Anthracite
  - Sepia Bronze
  - Burnished Bronze
  - Titanium Grey
  - Gilded Ash
  - Ebony
- Available only in W2 location on Working Wall and Cabinet Working Wall
- Electrical boxes and switches are not available on markerboard fascias
- Rare-earth magnets of grade N42 are recommended for use on glass markerboards
Smart Fascias – Whiteboard
• Available 30” – 48” wide in 1/8” increments
• Available magnetic
• Available only in W2 location on Working Wall
• Electrical boxes and switches are not available on whiteboard fascias
• Rare-earth magnets of grade N42 are recommended for use on glass whiteboards

Acoustic Tackable Fascias
• High performance acoustic and tackable fabric fascia used within a space to absorb excess noise
• Available 48” high and 12” – 48” wide nominal in 1/8” increments
• Acoustic Tackable Fascias provide a frameless fabric finish
• Electrical boxes and switches are not available on Acoustic Tackable Fascias
• Available in select Panel and Architectural Fabrics
• Upholstery fabrics are not available
• Base and Ceiling Fascias are **not** available as Acoustic Tackable Fascias
• Fabric direction is horizontal, architectural fabric direction is vertical

Micro Perforated Metal Acoustic Fascias
• High performance acoustic and tackable metal fascia used within a space to absorb excess noise
• Available 12” – 44” wide nominal in 1” increments
• Available magnetic
• Electrical boxes and switches are not available on Micro Perforated fascias
• Acoustic Metal Micro Perforated Fascias that are planned back-to-back must be specified with Portrait Metal Backers (PMFB) to block sound transfer through wall.
• Available in painted finishes:
  - Foundation:
    - Crisp Grey
    - Soft Gris
    - Sand
    - Earth
    - Slate
    - Granite
    - Ebony
  - Mica:
    - Platinum
    - Graphite
    - Anthracite
    - Sepia Bronze
    - Burnished Bronze
    - Titanium Grey
    - Gilded Ash
    - Very White

The illustration above demonstrates the Railroad fabric direction for Acoustic Tackable fascias.

The illustration above demonstrates the Off-the-bolt fabric direction for Acoustic Tackable fascias.
fascia finishes - portrait (continued)

**Glass Fascias**
- Available 6mm Single or Double glass
- Glass fascias are available in Square and Round Profile
- Available 6" - 12" high in 1” increments
- Clear tempered or laminated glass finishes available
- Available 12" - 48” wide nominal in 1/8” increments
- Frame Finishes include:
  - Clear Anodized
  - Painted
  - Very White
  - Graphite
  - Anthracite
  - Sepia Bronze
  - Burnished Bronze
  - Titanium Grey
  - Gilded Ash
  - Ebony
- Electrical boxes and switches are not available on glass fascias

**glass fascias**
- When clear glass is specified on Double Glass Fascias, both panes will be clear
- When Frosted Glass is specified on Double Glass Fascias only one pane will be frost; the other pane will be clear
- Single Glass Fascia is centered in frame
- Specialty glass is only available on Glass Fascia – Single Centered
- Available in Clear and Frost
The following finishes are available on Altos.

aluminum finish fascias

- Available on the 4” base and ceiling
- Available on most corner straight and articulating connectors
- Coordinates with glass store front options

planning with the 4” fascia

- On the Clear Anodized or Painted options - the plastic cap coordinates with the color of the fascia
## Fascia Finishes - Portrait (continued)

<table>
<thead>
<tr>
<th>Monolithic</th>
<th>Full</th>
<th>Segmented</th>
<th>Working Wall</th>
<th>Ceiling Fascia</th>
<th>Base Fascia</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1</td>
<td>F1</td>
<td>S1</td>
<td>SM1</td>
<td>W3</td>
<td>WM3</td>
</tr>
<tr>
<td>Solid</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Acoustic</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Acoustic Tackable</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Fabric Wrapped</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Glass *1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Framed Backpainted Glass Markerboard *2</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Smart Fascia Accessory</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Smart Fascia Whiteboard</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Smart Fascia Tackable</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Sheet Metal Backer</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Micro Perforated Metal</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Aluminum</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

*1 Single Centered, Round Corner and Square Corner available. Also Double Centered, Round Corner and Square Corner available.

*2 Single Span and Double Span available
portrait –
door packages
For typical openings, Altos offers a variety of doors that meet a range of privacy and functional needs – the three basic types are: Hinged, Pivot and Barn.

- Solid doors are 1-3/4” thick
- Glass doors are 10mm thick (3/8” nominal thickness)
- Swing doors and frames specified separately
- Barn door jambs and rails specified separately
- Low profile door styles bring the aesthetics of Optos doors into the Altos product line
- 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.
- Check local regulatory codes for minimum clear height allowed for door openings

building up door modules
hinged door basics

Hinged doors create an opening up to 180°. A drop seal is an option to minimize sound leakage at the bottom of the solid doors (up to 0.5” gap under door).

Hinged Door (FDH/FPDH)
Glass insert is an option on all solid hinged doors

- 84” segmented requires a transom measuring between 6” and 30” for ceiling heights between 86” and 120” in 1” increments
- Available with Clear or Frost glass insert options for privacy aesthetic variation
- Transom can be Solid or Glass

Hinged Glass Door (FDJ/FPDJ)
An optional 10” high stainless steel kickplate may also be specified

- Door will be ceiling height minus ceiling fascia height
- Transom can be Solid or Glass
- Glass is Clear or Frost and has a 3/8” nominal thickness

Hinged Double Door (FDD/FPDD)

- 84” segmented requires a transom measuring between 6” and 32” for ceiling heights between 86” and 120” in 1” increments
- Available with Clear or Frost glass insert options for privacy aesthetic variation
- Transom can be Solid or Glass

Hinged Glass Double Door (FDJ/FPDJ)
An optional 10” high stainless steel kickplate may also be specified

- 84” segmented requires a transom measuring between 6” and 32” ceiling heights between 86” and 120” in 1” increments
The Solid Pivot Door uses pivot hardware to attain up to 90° swing. The Glass Pivot Door is a full height door that pivots up to 180° with an optional adjustable door closer/door stay. It has enhanced acoustic performance offered by its continuous Frame Seal.

Framed Glass Pivot Door (FDPZ/FPDPZ)

- Available with 4” or 6” Ceiling Fascia or for Segmented Height with transom
- Glass is available 10mm thick, Tempered or Tempered-Laminated
- Door Frame finishes include Anodized and painted finishes
- Available with Standard height and 10” high Integrated ADA Aluminum Kickplate
- Glass transom is available with Clear or Frost glass insert options for privacy and aesthetic variation
handles for swing doors

<table>
<thead>
<tr>
<th>Lever Style</th>
<th>S Series</th>
<th>ALX Series</th>
<th>L Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schlage’s name</td>
<td>Jupiter</td>
<td>Athens</td>
<td>07</td>
</tr>
<tr>
<td>Teknion’s name</td>
<td>Type J</td>
<td>Type J</td>
<td>Type S</td>
</tr>
<tr>
<td>Schlage’s name</td>
<td>Saturn</td>
<td>Rhodes</td>
<td>06</td>
</tr>
<tr>
<td>Teknion’s name</td>
<td>Type S</td>
<td>Type S</td>
<td>Type S</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lock Type</th>
<th>S Series</th>
<th>ALX Series</th>
<th>L Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylindrical Lock</td>
<td>Single Pivot Glass Door (FDPZ)</td>
<td>Single Hinged Glass Door (FPDJ)</td>
<td>Single Hinged Solid Door (FPDH)</td>
</tr>
<tr>
<td></td>
<td>Single Hinged Glass Door (FDJ)</td>
<td>Double Hinged Glass Door (FPDE)</td>
<td>Single Pivot Glass Door (FPDPZ)</td>
</tr>
<tr>
<td></td>
<td>Double Hinged Solid Door (FPDD)</td>
<td>Single Hinged Solid Door (FPDD)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Single Hinged Solid Door (FDH)</td>
<td>Single Hinged Solid Door (FPDH)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Single Pivot Glass Door (FPDPZ)</td>
<td>Single Pivot Glass Door (FPDPZ)</td>
<td></td>
</tr>
<tr>
<td>Mortise Lock</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Keying</th>
<th>S Series</th>
<th>ALX Series</th>
<th>L Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional, key in lock (KIL) 6 pin</td>
<td>Full Size Interchangeable Core (FSIC) cylinder 6 pin</td>
<td>Full Size Interchangeable Core (FSIC) cylinder 6 pin</td>
<td>Conventional, Mortise 6 pin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Full Size Interchangeable Core (FSIC) cylinder 6 pin</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lock Actuation</th>
<th>S Series</th>
<th>ALX Series</th>
<th>L Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twist turn lock Std on S series</td>
<td>No Lock - Passage set</td>
<td>Push button lock - ADA Std on ALX series</td>
<td>No Lock - Passage set</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Basic Turn Schlage 09-509 Basic</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Easy turn - ADA Schlage L583-563</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FDH</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FPDH</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FPDPZ</td>
</tr>
</tbody>
</table>

* Inside lever always free for immediate egress
* Doors specified with “Conventional Cylinder” are keyed randomly (two keys provided per door)
* Doors specified with “Interchangeable Core Cylinder” are keyed randomly (two keys provided per door) but cylinders can be removed by a universal control key (Order Key Separately)
* After installations, customers may choose to relocate or replace interchangeable core cylinders to suit their security needs
* Keying is std Schlage Everest S123 Keyway. The Everest “S123” key is backwards compatible to the Everest “C123” keyway lock cylinders. However, the “S123” key is not backwards compatible with the “C” keyway lock cylinders.
* The Keyway is open, meaning they are available to end users from locksmiths for key duplication without any official procedures
* When keys are lost or not available, interchangeable cores can be removed and replaced using control keys. Control keys are available only for handles that have interchangeable core cylinders. Control keys need to be order separately
The Single Barn Door creates a sliding door by mounting to the inside or the outside face of wall modules.

- Please check local code requirements, as in some jurisdictions, the use of the Barn Door is limited to room occupancies of 10 people maximum
- Adds 1” to wall module depth
- Locks cannot be retrofitted on Barn Doors
- Segmented height doors can only be planned adjacent to segmented or working wall elevations
- Monolithic elevations cannot be used adjacent to segmented or full-height barn doors
- The Barn Door nominal AFF is constant for hardware types 3 and 4
- Solid and Solid with Insert cannot be used with 4” base and ceiling fascias
- 48” wide Glass Door is not available in ceiling heights greater than 108”
- 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

Glass and Solid Barn Door (FDC, FDS, FDI)

- Adjacent wall must be of equal width and can be Solid or Glass
- May be mounted on inside or outside of wall module unless specified with lock, then it must on the outside
- Keyed lock is on the outside and thumb turn on the inside

Solid Full-Height

- Door height will be ceiling height minus 6” Fascia

Segmented Height with Glass Insert

- Can be finished in Clear or Frost Glass and can be adjacent to Solid and Glass Fascias

Glass Barn Door Low Profile (FDCZ)

- Available in widths of 40” and 42” only
- 4” ceiling fascia height
- Door slides can be left or right and can be interior or exterior
- Available with or without standard lock and interchangeable core cylinder
- Glass is available in tempered and tempered Laminate
- Can be specified with or without soft close mechanism. Trolley and Base Cover finish include Anodized and Paint
- Should not be used with adjacent Fabric Fascias
double barn door basics

The Double Barn Door creates sliding doors by mounting to the inside or the outside face of wall modules.

- Please check the local code requirements, as in some jurisdictions, the use of the Barn Door is limited to room occupancies of 10 people maximum
- Adds 1” to wall module depth
- Locks cannot be retrofitted on Barn Doors
- The Barn Door nominal AFF is constant for hardware types 3 and 4
- Glass Barn Doors only
- Full-height format only (not available in segmented height)
- Only available for use with 6” ceiling fascias

**Double Barn Door (FDL)**

- Adjacent module width is determined by the door width and cannot be a monolithic elevation
- For 72” wide doors, adjacent modules must be 29”
- For 80” wide doors, adjacent modules must be 33”

**Double Glass Barn Door Low Profile (FDLZ)**

- 72” wide only
- Can only be ordered with 4” ceiling fascia configuration
- Available with or without standard lock an interchangeable core cylinder
- Available in Tempered or Tempered-Laminated glass
- Base Cover and Trolley finish include Anodized and Painted finishes
- Should not be used with adjacent Fabric Fascias
Door widths

Door module (frame and door) widths and door clearances for all doors including frame are shown below.

Single Hinged, Glass and Pivot Doors and Door Frame Package

<table>
<thead>
<tr>
<th>Width</th>
<th>Single Hinged</th>
<th>Glass and Pivot Doors and Door Frame Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>40&quot;</td>
<td>40&quot; wide: 34.75&quot; door clearance</td>
<td>40&quot; wide: 34.75&quot; door clearance</td>
</tr>
<tr>
<td></td>
<td>35&quot; clearance when installed at corner</td>
<td>35&quot; clearance when installed at corner</td>
</tr>
<tr>
<td>42&quot;</td>
<td>42&quot; wide: 36.75&quot; door clearance</td>
<td>42&quot; wide: 36.75&quot; door clearance</td>
</tr>
<tr>
<td></td>
<td>35&quot; clearance when installed at corner</td>
<td>35&quot; clearance when installed at corner</td>
</tr>
</tbody>
</table>

Double Hinged Door and Double Door Transom & Frame Package, Hinged Glass Double Door and Glass Double Door Transom & Frame Package Segmented

<table>
<thead>
<tr>
<th>Width</th>
<th>Double Hinged Door and Double Door Transom &amp; Frame Package, Hinged Glass Double Door and Glass Double Door Transom &amp; Frame Package Segmented</th>
</tr>
</thead>
<tbody>
<tr>
<td>72&quot;</td>
<td>72&quot; wide: 67&quot; door clearance</td>
</tr>
<tr>
<td></td>
<td>33-3/4&quot; is door size</td>
</tr>
<tr>
<td>80&quot;</td>
<td>80&quot; wide: 75&quot; door clearance</td>
</tr>
<tr>
<td></td>
<td>37-3/4&quot; is door size</td>
</tr>
<tr>
<td>84&quot;</td>
<td>84&quot; wide: 79&quot; door clearance</td>
</tr>
<tr>
<td></td>
<td>39-3/4&quot; is door size</td>
</tr>
</tbody>
</table>

Framed Glass Pivot Door

<table>
<thead>
<tr>
<th>Width</th>
<th>Framed Glass Pivot Door</th>
</tr>
</thead>
<tbody>
<tr>
<td>40&quot;</td>
<td>40&quot; wide: 36-1/2&quot; door clearance</td>
</tr>
<tr>
<td></td>
<td>33&quot; clearance when installed at corner</td>
</tr>
<tr>
<td>42&quot;</td>
<td>42&quot; wide: 38-1/2&quot; door clearance</td>
</tr>
<tr>
<td></td>
<td>35&quot; clearance when installed at corner</td>
</tr>
</tbody>
</table>
door widths (continued)

Single Glass Barn Door and Solid Barn Door Transom with Rail and Jamb Package

- 40” wide: 32” door clearance
- 42” wide: 34” door clearance
- 48” wide: 40” door clearance

Single Glass Barn Door Low Profile with Rail and Jamb Package

- 37.25” door clearance
- 39.25” door clearance

Double Glass and Solid Barn Door with Rail and Jamb Package

- 36” wide: 56” door clearance
- 40” wide: 64” door clearance

Double Glass Barn Door – Low Profile with Rail and Jamb Package

- 29” door clearance
## handles for barn doors

<table>
<thead>
<tr>
<th>Handle Style</th>
<th>Non-Locking</th>
<th>Locking</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1” diameter</td>
<td>1” diameter</td>
</tr>
<tr>
<td></td>
<td>3/4” diameter</td>
<td>3/4” diameter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Available on the following doors</th>
<th>Glass Barn Door Low Profile (FDCZ)</th>
<th>Full Height Glass Barn Door (FDC)</th>
<th>Full Height Glass Barn Door Low Profile (FDLZ)</th>
<th>Full Height Double Glass Barn Doors (FDL)</th>
<th>Barn Door with Glass Insert (FDI)</th>
<th>Solid Barn Door (FDS)</th>
<th>Glass Barn Door Low Profile (FDCZ)</th>
<th>Full Height Glass Barn Door (FDC)</th>
<th>Full Height Glass Barn Door Low Profile (FDLZ)</th>
<th>Full Height Double Glass Barn Doors (FDL)</th>
<th>Barn Door with Glass Insert (FDI)</th>
<th>Solid Barn Door (FDS)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Keying</th>
<th>Not available</th>
<th>Full Size Interchangeable Core (FSIC) cylinder 6 pin</th>
</tr>
</thead>
</table>

- Handle and lock cover finish: Stainless Steel ANSI / BHMA 630, US32D or Steel Painted
- 1.1/2” clear space between glass and handle
- ADA handle heights
- When keys are lost or not available, interchangeable cores can be removed and replaced using control keys. Control keys are available only for handles that have interchangeable core cylinders. Control keys need to be order separately
The hardware locations for glass barn door is constant.

**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>86 - 120</td>
<td>39-3/4</td>
</tr>
</tbody>
</table>

Glass Barn Door Low Profile (FDCZ)

![Diagram of Glass Barn Door Low Profile (FDCZ) Non Locking and Locking](image)

Double Glass Barn Door – Low Profile (FDLZ)

![Diagram of Double Glass Barn Door – Low Profile (FDLZ) Non Locking and Locking](image)

Nominal AFF is constant for hardware types 3 and 4
The height of the transom above 84" high doors varies in relation to the ceiling height.

- To determine the correct height of Fascia for the transom above a 84" high door, use Chart 1: Transom Height
- To determine the correct width of Fascias for the Transom and Ceiling Fascia above the Hinged Double Doors (FDE and FDD) and Barn Doors (FDS/FDC) use Chart 2: Double Door/Barn Door Transom Fascia and Ceiling Fascia width chart
- All structural members Vertical Post Packages (FKV), Horizontal Rail Packages (FPKH), Ceiling Channel (FKN), etc. for doors are specified separately in the appropriate sections. See Frame Kits For more information

Chart 1: Transom Height Chart for 4" Ceiling Fascia

<table>
<thead>
<tr>
<th>Ceiling Height (&quot;)</th>
<th>Transom Height Y&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td>8</td>
</tr>
<tr>
<td>97</td>
<td>9</td>
</tr>
<tr>
<td>98</td>
<td>10</td>
</tr>
<tr>
<td>99</td>
<td>11</td>
</tr>
<tr>
<td>100</td>
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<tr>
<td>101</td>
<td>13</td>
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<tr>
<td>102</td>
<td>14</td>
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<tr>
<td>103</td>
<td>15</td>
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<tr>
<td>104</td>
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<td>105</td>
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<td>107</td>
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<td>108</td>
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<td>109</td>
<td>21</td>
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<td>110</td>
<td>22</td>
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<td>111</td>
<td>23</td>
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<tr>
<td>112</td>
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<tr>
<td>113</td>
<td>25</td>
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<td>114</td>
<td>26</td>
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<td>115</td>
<td>27</td>
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<td>116</td>
<td>28</td>
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<tr>
<td>117</td>
<td>29</td>
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<td>118</td>
<td>30</td>
</tr>
<tr>
<td>119</td>
<td>31</td>
</tr>
<tr>
<td>120</td>
<td>32</td>
</tr>
</tbody>
</table>

Chart 2: Double Door/Barn Door Transom Fascia and Ceiling Fascia Width Chart

<table>
<thead>
<tr>
<th>Double Door Width (&quot;)</th>
<th>Fascia Width X&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td>36</td>
</tr>
<tr>
<td>80</td>
<td>40</td>
</tr>
<tr>
<td>84</td>
<td>42</td>
</tr>
</tbody>
</table>

Transom Height Chart for 6" Ceiling Fascia

<table>
<thead>
<tr>
<th>Ceiling Height (&quot;)</th>
<th>Transom Height Y&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td>6</td>
</tr>
<tr>
<td>97</td>
<td>7</td>
</tr>
<tr>
<td>98</td>
<td>8</td>
</tr>
<tr>
<td>99</td>
<td>9</td>
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<td>100</td>
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<tr>
<td>119</td>
<td>29</td>
</tr>
<tr>
<td>120</td>
<td>30</td>
</tr>
</tbody>
</table>
building up a complete door module

Several frame packages are available for door packages.  See price pages for details of these products.

• It is not recommended to install a door adjacent to a Wall End (FKE), Wall Start (FKW/FPKW) or Filler Panel (FPF)
• If Fascias are required to complete assembly they must be specified separately
building up a complete door module (continued)

Full Height Double Glass Barn Doors (FDL)
- Required for use with Portrait Double Barn Door Rail Kit for Full-Height Door (FPFLGR) and Portrait Double Barn Door Jamb Kit for Full-Height Glass Door (FPFLGG)
- Used with 4 Ceiling Fascias (FPC) - 2 per side

Segmented Hinged Glass Double Door (FDE/FPDE)
- Required for use with Hinged Glass Double Door Transom & Frame Package – Segmented Height (FPKTES/FPFES)
- Used with 4 Ceiling Fascias (FPC) - 2 per side
- 4 Solid Fascias – Segmented (FPS2) or 2 Glass Fascia – Double (FPGD) or 2 Glass Fascia – Single Center (FPGC)

Full Height Glass Barn Door (FDCZ)
- Required for use with Portrait Barn Door Rail Kit for Full Height Door – Low Profile (FPFLGFR) and Portrait Barn Door Jamb Kit for Full Height Glass Door – Low Profile (FPFLGG)
- Used with 2 Ceiling Fascias (FPC) – 1 per side

Full Height Double Glass Barn Door (FDLZ)
- Required for use with Portrait Double Barn Door Rail Kit for Full-Height Door – Low Profile (FPFLGFR) and Portrait Double Barn Door Jamb Kit for Full-Height Glass Door – Low Profile (FPFLGG)
- Used with 4 Ceiling Fascias (FPC) - 2 per side
The following rules should be considered when planning with Altos doors.

- The door swing is identified as right or left according to the location of the hinges
- Door swing orientation must be specified for the Hinged, Hinged Glass, Pivot and Hinged Double door

**Pivot and Hinged Door Orientation**

- Right Hand Left Hand
- 90° Swing
- The Pivot and Hinged Glass Doors permit a 90° swing
- Right Hand Left Hand
- 180° Swing
- The Hinged permit a 180° swing (actual 176° with door stop)
- Right Hand Left Hand
- • For the Hinged Double Door, both doors must swing in the same direction
- • Door is hinged on frame side only

**Wall Starts and Filler Panels**

- Doors cannot be located adjacent to Wall Starts (FKW), Wall End (FKE), Filler Panels (FPF) or On-Off Three-Way Modules (FKM3) (Wall Start and Filler Panels shown).
- Doors can be attached to Adjustable Wall Start (FPKW).

All Doors excluding the 84” high Barn Door may be planned adjacent to any wall type. Corresponding frame kit produces must be specified.
The following rules should be considered when planning with Single Barn doors.

**Wall module** must measure a minimum of 12” wide

- When the Barn Door is located next to a corner connection with an adjoining wall module, the Barn Door must be mounted on the outside of a wall run.
- Two Barn Doors cannot be mounted to meet at a corner.

**Barn Door mounted on outside with or without lock**

- When the Barn Door mounted on inside cannot be specified with lock

**Wall module must measure a minimum of 12” wide**

- Barn Door mounted on outside can be specified with or without lock

- When Barn Door mounted on inside cannot be specified with lock

**Mechanical fastener required at corner connection**

- Door slide orientation must be specified for the Single Barn Door. The slide orientation is identified as right- or left-handed according to the direction of travel.

- When the Barn Door is located next to a corner connection without an adjoining wall module, a mechanical fastener securing the corner connection to the floor is required and the Barn Door must be mounted on the outside of the wall run.
The following rules should be considered when planning with Double Barn doors.

Doors can be planned on inside or outside of wall modules. If specified with locks doors must be outside.

Furniture cannot be hung within door modules.

- Door frame cannot connect to a two way corner connection.
- Door frame can connect to a wall run with a Three-Way 180° Off-Module Connection (FKM3_2)
- Minimum distance between a door frame and a return wall run is 6”
planning with double barn doors (continued)

The following rules should be considered when planning with Double Barn doors.

A three-way corner connection is required between adjacent barn doors. Each Glass Barn door needs four supporting points.

Shared post cannot be used between two double barn doors.

When doors meet at 90° corner, at least one of two door sets should open from outside. Two sets of doors meeting at a 90° corner can not be mounted on the inside.
portrait – frame kits & components
Frame kits are used together to create the structural frame of the Altos wall. Frame kits are specified after the Fascia configurations has been determined.

**Two-Way 90˚ Corner Cover**
(FKCN90) and **Hardware for Altos Corner Connections** (FKCH90)
(shown)
Also Available:
FKCN120 and FKCH120, FKCN132 and FKCH132, FKCN133 and FKCH133, FKCN180 and FKCH180, FKCA4, FKCA2, FKCA3

The Corner Covers for 135˚ (FKCN132, FKCN133, FKCN180, FKCN90, FKCN120) can be found in the Fascias Section.

**Recycled Cotton Insulation (FAI)**
(not shown)
Recycled cotton insulation used within the Altos wall cavity to improve STC. Available as a 50’ x 4’ roll cut to size on site.

**Base Channel Continuous (FKC)**

**Vertical Post Package (FKV)**

**Ceiling Channel (FKN), Ceiling Clips (FKP)**

**Wall Gasket (FKJ)**

**Horizontal Rail Package (FPKH)**

**Wall Gasket (FKJ)**

Frame Kit packages are for vertical posts and horizontal rails are specified to coordinate with Fascia elevations chosen.

**Door Frame Kit (FKD)** (shown)

Also Available:
FKTF, FKTS, FKRT, FPBGSJ, FPBSSR, FPBSSJ

**Recycled Cotton Insulation (FAI)** (not shown)
Recycled cotton insulation used within the Altos wall cavity to improve STC. Available as a 50’ x 4’ roll cut to size on site.

**Two-Way 90˚ Corner Cover (FKCN90)** and **Hardware for Altos Corner Connections (FKCH90)**
(shown)

Also Available:
FKCN120 and FKCH120, FKCN132 and FKCH132, FKCN133 and FKCH133, FKCN180 and FKCH180, FKCA4, FKCA2, FKCA3

The Corner Covers for 135˚ (FKCN132, FKCN133, FKCN180, FKCN90, FKCN120) can be found in the Fascias Section.

**Drywall or Building Perimeter**

**Adjustable Wall End (FKE)**

**Wall Start (FKW/FPKW)**

**Wall Finished End (FKF)**

**Variable Angle Wall Start (FKWA)**

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92 altos price & application guide – May 23, 2022
A Ceiling Channel is required over entire wall run, including openings and corner connections in all applications of Altos wall system.

Ceiling Channel (FKN)
- Attaches to the ceiling and supports the Vertical Post Packages
- Is an inverted steel U-channel start and can be cut to size on site
- Holes are punched into the Ceiling Channel to facilitate power and communications feed from the ceiling into the wall
- Is available in 10'-0" lengths only
- Can be attached to ceiling at any angle

To determine the number of Ceiling Channels (FKN) required for the length of a wall run, take the total linear footage multiplied by 0.14

Horizontal Grommet (FBG)
(not shown)
- The Horizontal Grommet provides a finish to the Horizontal Rail cut outs
- Optional for use with solid and fabric fascias. Cannot be used with Glass Fascias

Vertical Reveal Cover Kit (FKJC)
The Vertical Reveal Cover provides a trim for vertical post when Platinum or Very White gaskets are used

A Ceiling Channel is required over entire wall run, including openings and corner connections in all applications of Altos wall system.
The following should be considered when planning with Ceiling Clips.

- 9/16" and 15/16" Ceiling Clips (FKP1 and FKP2) are used for flat and recessed tiles with flat grid only.
- For recessed tile application, Spacer Ceiling Clips (FKP3) is required for use with FKP1 or FKP2.
- 9/16" Ceiling Clip (FKP5) is used for recessed tiles with various types of box grid.
The Vertical Post Package extends from finished floor to finished ceiling and is the vertical support of the Altos frame.

- Vertical Post Packages are universal and also fulfill the vertical post requirements for door openings
- The levelers allow for adjustment of +1-1/2 / -0.5” independently at the top and +1-1/2 / -0.5” independently at the bottom
- Must specify base and ceiling fascia height being used

**Vertical Post Package (FKV)**

- Base Leveler
- Connector Bolt
- Fascia Connector
- Vertical Post

*Vertical Post images shown with 6” base and ceiling fascia clips*
planning with horizontal rails

Horizontal Rail Packages include the appropriate number of horizontal rails and one Base Channel – Modular. Each Horizontal Rail Package corresponds to the wall elevation it will support. The following chart demonstrates the components included.

- Minimum one horizontal per panel.
- One horizontal per reveal line.

---

**Monolithic Fascia Package**  
(FPKHM)

**Full Fascia Package**  
(FPKHF)

**Segmented Fascia Package**  
(FPKHS)

**Working Wall Fascia Package**  
(FPKHW)

---

**Full-Height Door**  
(FPKHG)

**Segmented-Height Door x 2**  
(FPKHG)
There are three steps in specifying Vertical Post Packages; determining the number and placement of Vertical Post Packages required, selecting appropriate Vertical Post Package type and specifying Vertical Post Package height.

• Vertical Post packages are required at each end of door opening
• Vertical posts are not shared at corners or other intersections

Outer Elevation of Wall Module
Full Wall requires Full Vertical Post Package (FKVF), therefore, Vertical Post Package (FKVF) should be ordered

Inner Elevation of Wall Module
Working Wall requires Working Wall Vertical Post Package (FKVW), therefore, Vertical Post Package (FKVW) should be ordered

Inner Elevation Segmented Wall
require Segmented Vertical Post Packages (FKVS)

Full-Height Door requires Full Vertical Post Package (FKVF)

• Outer Elevation Full Wall requires Full Vertical Post Package (FKVF)
• Therefore Full Vertical Post Package (FKVF) should be ordered
• Inner Elevation Full-Height Door requires Full Vertical Post Package (FKVF)
Vertical post packages are available in heights that increase in 1" increments between 8 and 10 feet (i.e. 8'-0", 8'-1", 8'-2"...10'-0`). These heights correspond to the dimension between finished floor to the underside of the finished ceiling.

When accessing pricing for Vertical Post Packages, you will be presented with the following height ranges:

<table>
<thead>
<tr>
<th>Height Code</th>
<th>Height Range</th>
<th>Height Code</th>
<th>Height Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>86&quot;–102&quot;</td>
<td>108</td>
<td>103&quot;–108&quot;</td>
</tr>
<tr>
<td>114</td>
<td>109&quot;–114&quot;</td>
<td>120</td>
<td>115&quot;–120&quot;</td>
</tr>
</tbody>
</table>

These height ranges are for pricing only. Be sure to indicate the exact height required for the Vertical Post Package in the product code.
Altos allows 90°, 135° and 180° connections in two-way, three-way and four-way configurations, as well as mid-wall connections.

- All connections allow for passage of power and communications except FKCA2 and FKCA3
- Partial height connections are not possible
- All connections are available for ceiling heights from 86” to 120” in 1” increments
- The Corner Covers for 135° (FKCN132, FKCN133, FKCN180, FKCN90, FKCN120) can be found in the Fascias Section

modular connections

Module Connections create three-way intersections behind the bisected wall
90° corner connection basics

Walls can be connected at right angles in two-way, three-way and four-way configurations.

- Brackets connect post packages to form a corner
- The quantity of brackets required may vary according to wall heights or wall material
- Can enclose electrics and communications traveling from wall-to-wall or from ceiling down to glass modules
- Covers for two-way and three-way corners are in the Fascias Section

Four-Way Connection 90°
Connection (FKC4)
Creates a full-height connection between four walls which are connected at 90°.

Hardware for Altos Corner Connections (FKCH90)
Provides the framework to connect two walls at 90°.

Hardware for Altos Corner Connections (FKCH180)
Provides the framework to connect three walls at 180°.
The following should be taken into consideration when planning with 90° connections.

For 90° two-way, three-way and four-way corner connections, add 3-15/16".

Wall thickness should be accommodated in the planning process.

When planning center-line to center-line of two adjacent Vertical Post Packages, add 1/8" to width dimension of Fascia or door to accommodate the connection.

When two walls are opposite one another with a wall run between them, the number of wall modules and connections on the opposite walls must be the same.

This is to maintain the same dimensions and creep in both parallel wall lengths.

Corner connections enclose electrics and communications lines traveling from wall to wall through corners or from the ceiling down to glass modules.
135° corner cover basics

Walls can be connected at 135° in two-way and three-way configurations.

The Corner Covers (FKCN132, FKCN133, FKCN180, FKCN90, FKCN120) can be found in the Fascias Section.

Three-Way 135° Corner Cover (FKCN133)
Provides the framework to connect to three walls at 135°.

Two-Way 135° Corner Cover (FKCN132)
Provides the framework for two walls to be connected at 135°.
The following should be considered when planning with 135° connectors.

Worksurfaces and mounted storage can be suspended from only one adjacent wall module when two wall modules intersect at 135°.

Placement of doors at a 45° does not allow for the suspension of worksurfaces and mounted storage on adjacent wall modules.

The length of a wall run that includes a 135° connection increases as shown below. Dimensional increase is equal in both directions of wall run.

**Two-Way 135° Corner Cover (FKCN132) and Hardware for Altos Corner Connections (FKCH132)**

Two-Way 135° Corner Cover (FKCN132) can be found in the Fascias Section.

![Diagram of Two-Way 135° Corner Cover](image)

**Three-Way 135° Corner Cover (FKCN133) and Hardware for Altos Corner Connections (FKCH133)**

Three-Way 135° Corner Cover (FKCN133) can be found in the Fascias Section.

![Diagram of Three-Way 135° Corner Cover](image)

All dimensions are taken from center-line of connection (or point where connection changes direction) to center-line of adjacent reveal between wall modules.

Using the 135° connection may require non-standard wall module widths.
articulating corner basics

Articulating Corners are used to change the angle of an Altos wall run.

- Articulating Corners are available in two-way and three-way configurations
- All Articulating Corners accommodate a range of adjustment from -10° to +10°
- Finished in Clear Anodized or Painted

**Articulating Two-Way Corner (FKCA2)**
- Connects two Altos walls between 80° and 100°
- Articulating wall can be on either side of corner
- Provides both the connecting hardware and cover

**Articulating Three-Way Corner (FKCA3)**
- Connects two Altos walls between 80° and 100° with a third fixed Altos wall
- Both sides of corner can be angled independently, each side allows for a maximum 20° of rotation (+/- 10°)
- Provides both the connecting hardware and cover
The following should be considered when planning with Two-Way and Three-Way Articulating Corners.

The Articulating Two-Way Corner is available with two pivot point orientations to indicate which wall is the articulating one.

Note the different vertical post positions between left and right pivot point orientation.
Articulating Corners restrictions with barn door.

When a barn door starts on the inside of a fixed wall with an Articulating Corner, the angle between the barn door front wall and the articulating wall cannot be less than 90°.

Similarly, when a barn door starts at an articulating wall, the inner angle is restricted to a minimum of 82°.
The Three-Way 180° Module Connection provides options for on and off-module connections to an existing wall run.

### Three-Way 180° Module Connection (FKM3_1) (On-Module)
- Centers the connection at the vertical reveal between Fascias
- May not be attached at any other location

### Three-Way 180° Module Connection (FKM3_2) (Off-Module)
- Creates a connection anywhere between reveals of Fascias
- May not be used at the vertical reveal
- Can be used at Solid and Double glass Fascias only
- Module Connection adds 1-1/4" Creep – this added dimension comes from the connection interface

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86” - 120” h

Spine Wall

Perpendicular Wall
wall gasket basics

The Wall Gasket (FKJ) provides a light and sound seal between the bottom of the wall system and the finished floor and the top of the wall system and the ceiling.

Minor height variations in floor and ceiling surfaces may be concealed by the wall gasket.

determining wall gasket requirements

- Measure the entire wall run, excluding any doorway openings for bottom wall gasket only. Both elevations of a wall run require a Wall Gasket.
- Any dimensional variations should be included in this calculation.
- Wall Gaskets are required at both sides of a wall module at floor and ceiling junctions.

The formula to determine the number of Wall Gaskets (FKJ) required for the length of a wall run is the total linear footage of this product multiplied by 0.40 equals total number of Wall gaskets required.
Altos offers three types of wall ends for finishing Altos runs; Wall Start, Wall End and Adjustable Wall End.

Wall Start (FKW) and Adjustable Wall Start (FPKW)
- Begins or ends a wall run at the building wall, column or mullion and provides a clean connection between the building and the Altos wall
- Can accommodate spacing due to untrue or unlevel wall surfaces
  - Wall Start: +1/4” to -1/4”
  - Adjustable Wall Start: +3/8” to -3/8”
- Adds to the wall run width
  - Wall Start: 1”
  - Adjustable Wall Start: 1-3/4”
- Wall Start can be cut on site
- Intended for minimal gaps in width only; for larger gaps, an Adjustable Wall End (FKEF, FKES, FKEW, FKEG) should be specified (same as FKES)
- Wall Start must be used with a Vertical Post package
- The Wall Start does not route electrics or communication from the building architecture wall

Wall Finished End (FKF)
- Is used to cap the end of a wall run where there is no connection to another wall run
- Can be cut to size
- Extends from floor to ceiling

Adjustable Wall End (FKEF, FKES, FKEW, FKEG)
- Used to allow dimensional adjustment of wall width on-site to complete a wall run where interfacing with building architecture including mullions
- Adjustable Wall End (FKEF) accommodates adjustment range of 1-1/2” - 4-1/2” with no horizontal reveals (Flintwood option is only available to 114”)
- Adjustable Wall Ends (FKES, FKEF and FKEW) accommodate adjustment range of 3” - 9” and are specified to match Full, Segmented and Working Wall elevations
- All wall connections including Fascia, horizontal rails, base channel and hardware are included but Ceiling Channel (FFN), Ceiling Clips (FKP) and Vertical Posts (FVP) must be ordered separately
Wall Start & End Basics (continued)

Variable Angle Wall Start (FKWA)
- Used at the beginning or end of a run connecting to building wall, mullion or columns
- Accommodates minor width variation from -1/4” to +3/8”
- When wall start is at nominal position from the building, the Altos wall can start at any angle between -45° and +45°
- When wall start is at minimum position (1/2”) from building the Altos wall can start at any angle between -38° and +38°
- Distance between rotation point of wall start and building wall is 3/4”
- Distance between rotation point of wall start and centerline of the first vertical post is 2”
- Must be used with a Vertical Post package
- Does not route electrics or communications from the building architecture
- Finished in Clear Anodized or Painted

Nominal Adjustment

Minimum Adjustment
The following should be considered when planning with wall starts and ends.

The adjustable wall start should be specified to match the elevation of the adjacent module.

The Adjustable Wall End and Wall Start
attach to building architecture excluding glass and extends floor to ceiling.
Cannot be used between wall modules or corner connections

Worksurface Mounted on Module
Worksurfaces, mounted storage and accessories can be mounted on the wall module adjacent to the Adjustable Wall End or Wall Start

Adjustable Wall End
The Adjustable Wall End and Wall Start do not route electrics or communications to adjacent walls

The Adjustable Wall End and Wall Start

Adjustable Wall End (FKEG)
• Full-Height Ceiling Height (3” Adjustable Wall End) offers an adjustment range of +/- 1-1/2” and accommodates width variations of 1-1/2” – 4-1/2”
• Is planned as an additional 3” module at the end of a wall run
• No horizontal reveals are included

Adjustable Wall End (FKEF), (FKES), (FKEW)
• Offers an adjustment range of +/- 3” and accommodates width variations of 3” to 9” in anodized aluminum
• To maintain consistent horizontal reveal lines, the 6” wide Adjustable Wall End can be specified in Full, Segmented and Working Wall elevations
• In the Full elevation, the 6” Adjustable Wall End is offered in each 1” increment from 86” up to 120” in height

• Adjustable Wall End is planned as an additional 6” module to complete a wall run and permits consistency of core width Fascias
• In the full elevation, the 6” Adjustable Wall End is offered in each 1” increment from 86” up to 120” in height

Full Height – Ceiling Height

Worksurface Mounted on Module

Adjustable Wall End

Full Segmented Working Wall
The following should be considered when planning with module connections.

Electrics cannot be routed through the module connections.

Spine Wall
- Module Connection adds 1-1/4” Creep – This added dimension comes from the connection interface
- There is no creep in spine wall

Perpendicular Wall
- Attaching Module Connections to Double Glased Fascia modules is not recommended as the connector will be visible

Hang-On Components
- The location of the Three-Way 180° Module Connection may restrict the location of hang on components (worksurfaces, mounted storage and accessories) on the spine wall
- Hang on components must be mounted on module so that they span between two vertical reveals
- For optimum planning, hang on components should be suspended from the perpendicular wall
- When mounting hang on components on the perpendicular wall, a 1-1/8” gap between the spine wall and the hang-on component results
planning with module connections (continued)

Door type and location must be taken into consideration when planning with the Three-Way 180° Module Connection. The following chart shows where each door type can be used on the bisected spine wall.

There are no restrictions for doors located on the perpendicular wall.

Hinged Door
Hinged Glass Door
Pivot Door
Hinged Double Door

Door cannot be specified at an ON-module connection point

Door may be located at any full OFF-module wall module when the door opening is a minimum of 3” from the perpendicular wall

Barn Door
Solid Barn Door
Barn Door with Glass Insert

Doors can be located adjacent to on- or off-module connection
door frame basics

Several frame packages are available for door packages. See price pages for details of these products.

- It is not recommended to install a door adjacent to a Wall End (FKE), Wall Start (FKW/FPKW) or Filler Panel (FPF)
- If Fascias are required to complete assembly they must be specified separately

<table>
<thead>
<tr>
<th>Double Door Frame – Full Height (FKTF/FPFDS)</th>
<th>Double Door Transom &amp; Frame – Segmented Height (FKTF/FPFDS)</th>
<th>Door Frame Kit for Full or Segmented Height (FKD) and Door Frame Kit for Full Height (FPFHS/FPFJS)</th>
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<td>Required for the Full or Segmented Height Hinged Door (FDH/FPDH) or Glass Door (FDJ/FPDJ)</td>
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<tr>
<th>Portrait Barn Door Jamb Kit for Full-Height Glass Door (FPBGFJ) and Portrait Barn Door Rail Kit for Full-Height Door (FPBFR)</th>
<th>Portrait Barn Door Rail Kit for Full-Height Door (FPBFR) and Portrait Barn Door Jamb Kit for Full-Height Solid Door (FPBSFJ)</th>
<th>Portrait Barn Door Jamb Kit for Full-Height Glass Door (FPBGSJ) and Portrait Barn Door Rail Kit for Full-Height Door (FPBSR)</th>
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<tbody>
<tr>
<td>Required for the Full Height Glass Barn Door (FDC)</td>
<td>Required for the Full Height Solid Barn Door (FDS/FDI)</td>
<td>Required for the Full Height Glass Barn Door (FDC)</td>
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<tr>
<th>Portrait Barn Door Rail Kit for Segmented-Height Door (FPBSSJ) and Portrait Barn Door Jamb Kit for Full or Segmented Height Solid Door (FPBSSJ)</th>
<th>Hinged Glass Double Door Transom &amp; Frame Package – Segmented Height (FKTES/FPFES)</th>
<th>Portrait Double Barn Door Rail Kit for Full-Height Door (FPLGFR) and Portrait Double Barn Door Jamb Kit for Full-Height Glass Door (FPLGFJ)</th>
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<tr>
<td>Required for the Full Height Solid Barn Door (FDS/FDI)</td>
<td>Required for the Full or Segmented Height Framed Glass Pivot Door (FDPZ/FPDPZ)</td>
<td>Required for the Full Height Double Glass Barn Doors (FDL)</td>
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<table>
<thead>
<tr>
<th>Portrait Barn Door Rail Kit for Segmented-Height Door (FPBGSJ) and Portrait Barn Door Rail Kit for Full-Height Door (FPBSR)</th>
<th>Portrait Barn Door Rail Kit for Full-Height Door – Low Profile (FPEGFR) and Portrait Barn Door Jamb Kit for Full Height Glass Door – Low Profile (FPUGFJ)</th>
<th>Portrait Double Barn Door Rail Kit for Full-Height Door – Low Profile (FPVGFJ) and Portrait Double Barn Door Jamb Kit for Full-Height Glass Door – Low Profile (FPVGFJ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required for the Full Height Solid Barn Door (FDS/FDI)</td>
<td>Required for the Full Height Glass Barn Door (FDCZ)</td>
<td>Required for the Full Height Double Glass Barn Door (FDLZ)</td>
</tr>
</tbody>
</table>
The following rules should be considered when planning with the Double Barn Door frame.

Door rail must be supported at center through connection to building structure/ceiling.

Adjacent module (86” - 120” in 1” increments)

Door Width
36” or 48”

Clearance
29” or 33”

Connection to floor at both sides of jamb is necessary

Rail must be supported at center through mechanical fastenings to building structure

Jamb at base is connected to floor on both sides
fascia reveal inserts

An optional Black Vertical Reveal Cover Kit (FKJC) is available when planning with Platinum or Very White wall gaskets. The following outlines the features:

Vertical seams are Black and visible unless finished with a reveal insert.

The Vertical Reveal Cover Kit is black to match reveal lines.
Altos frame kits come with all necessary connection components however, certain components can also be purchased individually if required. See Price & Product Guide for details of these products.

<table>
<thead>
<tr>
<th>Base Levelers (FBB)</th>
<th>Horizontal Shoulder Screw (FBN)</th>
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<tr>
<td>Fascia Connector – Male (FBFM)</td>
<td>Fascia Connector – Female (FBFF)</td>
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<tr>
<td>Fascia Lock (FKL)</td>
<td>Horizontal End Cap (FBE)</td>
</tr>
<tr>
<td>Base Channel - Modular (FPKB)</td>
<td></td>
</tr>
</tbody>
</table>
portrait – tek pier
Tek Pier is a demountable wall-integrated, height-adjustable, and technology-supported workspace. Designed to enable technology engagement by articulating a large monitor for individual or group use in private office and meeting room environments, this innovative solution maintains a minimal profile while providing an ergonomic collaboration experience.

1. The shroud moves together with the Tek Pier worksurface so whether sitting or standing, the monitor is always at an ergonomically appropriate viewing height.
2. Lateral adjustability is provided by the articulating origami arm which is mounted to the shroud.

- A Tek Pier station consists of a frame assembly, fascias, Tek Pier assembly and a worksurface which all must be specified individually.
- Tek Pier uses Altos Portrait Fascia elevations only.
- Tek Pier is not available next to Altos Landscape.
Two sizes of the Tek Pier assembly are available:

- Tek Pier Assembly 1
- Tek Pier Assembly 2

Three worksurface shapes are available:

- Spade Top Worksurface
- Pie Top Worksurface
- Wedge Top Worksurface

Three configurations can be achieved depending on the worksurface shape and the Tek Pier assembly specified:

**tek pier assembly 1**

![Spade Top Worksurface](image)

- Up to five collaborators
- Symmetrical
- Sit Stand Range 24” - 43”
- Ideal for meeting rooms and collaboration

**tek pier assembly 2**

![Pie Top Worksurface](image)

- Up to three collaborators, one primary and two guests
- Left and right handed versions
- Sit Stand Range 24” - 43”
- Ideal for small enclaves and private offices

**tek pier assembly 2**

![Wedge Top Worksurface](image)

- Up to three collaborators, one primary and two guests
- Left and right handed versions
- Sit Stand Range 24” - 43”
- Ideal for small enclaves and private offices

**origami arm**

The origami arm has six pivot points allowing the user to adjust the monitor in several locations.

- Flat on wall
- Extended off wall
- Angled right
- Angled left
The Frame Assembly for Tek Pier is an Altos frame and consists of several vertical and horizontal channels allowing for Tek Pier technology and supports to be concealed within the frame.

Frame Assembly for Tek Pier (FKTKP)
- Available heights include 94”-120” in 1” increments
- Available widths are 42” and 48”
- Available single sided or double sided
- Wiring system is 4 Wire (Modular and Chicago) hardwire
- Available with Circuit Type 1 and Circuit Type 2 for Modular only
- Base and ceiling fascia heights are 4” and 6” high
- Fascias must be ordered separately and are available only as kits
  - Monolithic
  - Segmented Monolithic
  - Full
  - Segmented
Tek Pier is available with a modular hardwired or Chicago Style electrics system. Electrics are routed through either a ceiling or base feed connection to the building.

**capacity restriction**
- A Single 15 Amp Circuit can power up to two Tek Piers of any standard configuration
- Wiring system for junction box is 4 wire (modular hardwired and Chicago) hardware
- Conduit length for junction box is restricted to 12' long for modular hardwired and 20' long for Chicago electrics
- Tek Pier modular system is used with Altos modular electrics system with 4-wire wiring system
Tek Pier Fascias are used in combination with the frame assembly to accommodate supports and provide accurate cut out locations for the Tek Pier assembly.

- Base and ceiling fascia heights are 4” or 6”
- Available 42” and 48” wide
- For determining the correct fascia height, please refer to Altos Fascia section, Specifying Fascia Heights page.
- Tek Pier cut out for height-adjustable mechanism is available on Level 1 Fascia
- Tek Pier uses Altos Portrait Fascia elevations only

**Monolithic Fascia (FFMTKP)**

Fascia is available in heights of 94” - 120” in 1” increments.

<table>
<thead>
<tr>
<th>Full Fascia Kit (FFFTKP)</th>
<th>Segmented Fascia Kit (FFSTKP)</th>
<th>Segmented Monolithic Fascia Kit (FFSMTKP)</th>
<th>4” Base and Ceiling Fascia Kit for Tek Pier (Opposite Side) (FFCBTKP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 1 Fascia is available 84” - 112” in 1” increments.</td>
<td>• Level 1 Fascia is available 78” and 80” high</td>
<td>• Level 1 Fascia is available 84” high</td>
<td>Available 42” and 48” wide.</td>
</tr>
<tr>
<td>• Level 2 Fascia is available 6” - 32” in 1” increments</td>
<td>• Level 2 Fascia is available 6” - 32” in 1” increments</td>
<td>• Level 2 Fascia is available 10” - 36” in 1” increments</td>
<td></td>
</tr>
</tbody>
</table>

**Finishes:**

- Level 1 and 2 Fascia finishes include Fascia Laminates and Flintwood
- Base and Ceiling Fascia finishes include Fascia Laminates, Flintwood, Clear Anodized and Painted
- Aluminum finish selection is not available on 6” high Fascias
Tek Pier fascias are used to create the face of the frame assembly and can be configured into four wall types depending on the fascia selection.

The fascia width is determined by the shroud and frame assembly width specified. Both left and right side fascia must be specified with standard Altos fascias.

teck pier assembly 1

When a 48" wide fascia is specified, it must be specified on a 48" wide Frame Assembly for Tek Pier (FKTKP) and also with Tek Pier Assembly 1 (TKP1).

When a Spade Top Worksurface (TKPA) (see worksurfaces) is required, a 48" wide Frame Assembly for Tek Pier (FKTKP) and Tek Pier Assembly 1 (TKP1) must be specified.

When a single-sided application is specified, the opposite side to the Tek Pier, workstation does not require Tek Pier Fascias, standard Altos fascias can be used. However, if a 4" Base and Ceiling Fascia Kit is desired on the opposite side, the dedicated Tek Pier 4" Base and Ceiling Fascia Kit (FFCBTKP) must be used.

Spade Top Worksurface

When a Wedge Top Worksurface (TKPC) or a Pie Top Worksurface (TKPB) (see worksurfaces) is required, a 42" wide Frame Assembly for Tek Pier (FKTKP) and Tek Pier Assembly 2 (TKP2) must be specified.

Wedge Top Worksurface

Pie Top Worksurface
planning with tek pier fascias (continued)

In a double-sided application, it is recommended that both the left and right side fascias are the same width so both sides are symmetrical.

All center Tek Pier fascias come with cut outs to accommodate Assembly Kits.

Clerestory is not available on Tek Pier frames.

grain direction

The illustration below demonstrates the grain direction for all Veneers and Flintwood.
The Tek Pier assembly includes the actuators, vertical wire carrier, shroud, origami arm, shroud pan, Tek Pier electrics beam and height-adjustable leg.

Electrical orientation can be specified left or right.

Tek Pier Assembly 1 (TKP1)
- Accommodates Spade Top Worksurface (TKPA)
- Must be specified on a 48” wide Frame Assembly for Tek Pier (FKTPK)
- Recommended monitor is 39” - 46” and is restricted to 35 lbs

Tek Pier Assembly 2 (TKP2)
- Accommodates Wedge Top Worksurface (TKPC) and Pie Top Worksurface (TKPB)
- Must be specified on a 42” wide Frame Assembly for Tek Pier (FKTPK)
- Recommended monitor is 30” - 38” and is restricted to 35 lbs

Finishes:
- Shroud surface finish is Glacier White solid surface
- Metal finishes include Very White and Platinum paint
planning with tek pier assembly

The Tek Pier assembly is made up of several parts to allow for a sit-stand workstation.

The origami arm has six pivot points allowing the user to adjust the monitor in several locations.

The Tek Pier assembly components cannot be mounted directly to drywall. Custom applications can be accommodated to allow the Frame Assembly for Tek Pier to be mounted on Altos wall between two drywall partitions or in front of a straight run of drywall. Please contact your Teknion Customer Service Representative for more information.
height-adjustable leg

The Height-adjustment range is 24” - 43” high to allow for lounge, sit and standing heights. The integrated height-adjustable mechanism is designed with anti-collision detection for safety considerations.

Electrics beam

The electrics beam consists of:

1. An easily accessible sit-stand switch location with memory and digital readout
2. Four plastic Grey power plug-in locations that are tamper resistant for safety purposes with circuit breaker button
3. Two plastic Grey USB ports oriented for powering and charging devices
4. One plastic Grey HDMI video connection to the screen

Electrics beams are handed and determined by the location of the sit-stand switch in relation to the user.
Tek Pier offers integrated cable routing, allowing for height-adjustability, technology connectivity and optional wireless control downloadable application.

**Wire Management**

- Sit Stand motor cable 1
- Switch
- Bluetooth extension cable
- Electrics beam power
- Actuator (left side)
- Switch
- Bluetooth module
- Sit stand motor cable 2
- Lifting column power
- Control box power
- Internal power bar
- Lifting column power
- Control box power
- Internal power bar
- Lifting column power
- Control box power
- Internal power bar
specifying the correct monitor type

When specifying a monitor for Tek Pier, it is important to select a monitor with an HDMI cable that is parallel to the back of the monitor to avoid interference when the monitor is in a pushed back location. The Assembly 1 (TKP1) is recommended for use with 39” - 46” monitor size. Assembly 2 (TKP2) is recommended for use with 30” - 38” monitor size. Monitors cannot weigh more than 35 lbs.

When specifying a monitor for Tek Pier, it is important to select a monitor with a centered VESA pattern to maximize adjustability.

VESA pattern is centered top to bottom and side to side.
The monitor supplied by the customer cannot exceed 35 lbs and must be equipped with an HDMI video connection outlet. The universal VESA plate for the origami arm is available in two sizes to accommodate most monitors.

**Large Plate**
- Generally for larger screens based on monitor specification by the customer
- Accommodates 200 x 200mm, 300 x 200mm, 300 x 300mm, 400 x 200mm and 400 x 400mm VESA patterns with vertical monitor adjustment in certain patterns

**Small Plate**
- Generally for smaller screens, based on monitor specification by the customer
- Accommodates 100 x 100mm and 200 x 200mm VESA patterns with vertical monitor adjustment

Tek Pier provides an electrics access hatch below the worksurface. This space is available for technology storage provided by the customer and houses the optional Bluetooth wireless modules.
Tek Pier worksurfaces are available in three shapes: Spade, Pie and Wedge Tops to match Tek Pier assembly sizes.

**Spade Top Worksurface (TKPA)**
- Worksurface depth is 59"
- Worksurface length is 67-1/2"
- Must be used with Tek Pier Assembly 1 (TKP1)
- Symmetrical

**Pie Top Worksurface (TKPB)**
- Worksurface depth is 46"
- Worksurface length is 66-1/2"
- Is left or right-handed
- Must be used with Tek Pier Assembly 2 (TKP2)

**Wedge Top Worksurface (TKPC)**
- Worksurface depth is 66"
- Worksurface length is 50"
- Is left or right-handed
- Must be used with Tek Pier Assembly 2 (TKP2)

Finishes:
Worksurface top finish is Glacier White Solid Surface (when using a mouse on worksurfaces, it is recommended to use on a track pad to maximize usability).
Undersurface finishes include Very White and Platinum Paint
The following outlines the features of Tek Pier worksurfaces.

Tek Pier worksurfaces are designed to be used in various applications.

**Spade Top Worksurface**
- Ideal for meetings and collaboration
- The origami monitor mount recedes into shroud to allow for maximum collaboration
- Recommended for use in a medium sized room (10’ x 12’)

![Spade Top Worksurface Diagram]

**Pie Top Worksurface**
- Ideal for small enclaves or private offices
- Allows for a single user or user with up to two guests
- Recommended for use in a small sized room (minimum 7’ x 10’), justified to the corner

![Pie Top Worksurface Diagram]
planning with tek pier worksurfaces (continued)

Wedge Top Worksurface

- Ideal for small enclaves or private offices
- Allows for a single user or user with up to two guests
- Recommended for use in a small office (10’ x 10’)

The Wedge Worksurface is handed and is determined by the location of primary user
Planning with Tek Pier Worksurfaces (continued)

Configurations

When planning double-sided configurations both sides must have the same Tek Pier assembly.

Back to back worksurfaces must align with each other to accommodate supports. Both sides must have the same Tek Pier assembly. Wedge and Pie Worksurfaces use the same Tek Pier assembly and can be installed back to back.
portrait – clerestory - optos profile
An Optos clerestory module consists of Optos glass above 84” and Altos Portrait below.

- Optos clerestory is **not** available above Altos Landscape
- Tempered Glass is only available in Standard Clear
- Textured glass is not available
- For information on articulating corner connections with Optos, refer to the Corners & Connections - 10mm & 12mm section in the **Optos Price Guide**
- 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)

---

### Optos 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
- Frame is available in a Clear Anodized or Painted finish
- Available in 1” height increments of 10”-36” and in 1” width increments of 12”-48”

### Optos 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”

### Optos 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”

### Optos Clerestory Vertical 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”
clerestory basics (continued)

Optos 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”

Optos Clerestory Three-Way Connection with Optos (FZCCX3/FXCCX3)
- Connects an Optos clerestory wall with two Optos walls or two Optos door frames
- Available in a Clear Anodized or Painted finish
- Available in 1” height increments of 94”-120”

Optos 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”

Optos Clerestory Two-Way 90° Corner Connection (FZCCY2/FXCCY2)
- Connects two Optos clerestory walls at 90°
- Available in a Clear Anodized or Painted finish, Fascia Laminates or Flintwood
- Available in 1” height increments of 94”-120”

Optos Clerestory Three-Way Connection (FZCCY3/FXCCY3)
- Connects three Optos clerestory walls
- Available in a Clear Anodized or Painted finish, Fascia Laminates or Flintwood
- Available in 1” height increments of 94”-120”
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 Portrait 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 Portrait Fascias below the Optos clerestory can provide added functionality such as whiteboards, tackboards and the ability to hang furniture

![Diagram of Optos clerestory and Altos fascia elevation types](image-url)
clerestory planning rules

The following details should be taken into consideration when planning with Optos clerestory.

When an Optos Clerestory Wall connects to an existing building, use the Altos Wall Start (FKW/FPKW).

- Optos clerestory cannot be used above Optos or Altos doors
- It can only be used above Altos Portrait 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 in-line with Altos. In-line connections can only be made with Optos or another Optos Clerestory module
- Optos clerestory must be used in conjunction with an Optos wall
portrait – lighting, electrics & communications
### Comparing Electrics & Communication Methods

There are three methods of supplying power and communications in Altos Portrait, each method functions differently. The following chart will help you select the appropriate solution.

Check local codes for potential limits or restrictions on products. Local authority approval may be required prior use.

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<th>Teknion</th>
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<tr>
<td>Back to back applications</td>
<td>Good</td>
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<tr>
<td>Licensed electrician labor</td>
<td>Most labor required</td>
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<tr>
<td>Installer labor</td>
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<tr>
<td>Mounting method</td>
<td>Fastens to back of fascia</td>
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<tr>
<td>Compatibility with Altos</td>
<td>Portrait and Landscape</td>
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<tr>
<td>Standard cut out height</td>
<td>Base height, 18” height and worksurface height</td>
</tr>
<tr>
<td>Cut out orientation</td>
<td>Vertical and Horizontal</td>
</tr>
<tr>
<td>Control receptacles</td>
<td>✓</td>
</tr>
<tr>
<td>USB receptacles</td>
<td>✓</td>
</tr>
<tr>
<td>Wire systems</td>
<td>• Standard Circuit • Isolated Circuit</td>
</tr>
<tr>
<td>Compatible with Teknion Standard electrical wiring systems</td>
<td>All local options available</td>
</tr>
<tr>
<td>Type of circuit</td>
<td>Uses industry standard receptacles commonly used in drywall applications. Contractor provides all electrical components - only the fascias are specified with cut outs</td>
</tr>
</tbody>
</table>
The following chart helps visualize the differences between Teknion’s two electrical systems for Altos Portrait.

### Hardwire Electrics
- **Vertical cut outs (applicable for 18”H)**
- **Horizontal cut outs (applicable for worksurface and base heights)**

### Power Data Electrics
- **Vertical cut outs (applicable for 18” high)**
- **Horizontal cut outs (applicable for worksurface height)**

Duplexes and data boxes are specified separately.
Data jacks/faceplates are not included on communications module.
Images are for illustration purposes only.

Screwless Face plates.
Self contained unit for an homogeneous, clean look.
Data and Power in one box.
Single face plate for entire box.
Data jacks/faceplates are not included on Power Data modules.
Images are for illustration purposes only.
lighting overview

A light switch is available in Altos that allows user control of ambient lighting.

- Light switches are always hardwired and independent of which electrical system is chosen
- Light switches are field installed on solid or fabric wrapped fascias and are cut on-site
- Light switches are supplied with 20'-0” cable and must be connected to building supply by a qualified electrician
- Black or White options available

Light Switch (ELS)
- Allows for user control of individual office ambient light
- Can be installed on solid Fascias
- Is recommended to locate the cut out 42” above finished floor to the center-line of the light switch

Typical light switch location. Cut out on site.
Electrics and communications receptacles can be specified at three levels: base height, 18" height and worksurface height depending on type specified.

- Wall modules that require electrics or communications are specified by ordering Fascias that come complete with cut outs
- Fascia cut outs are required for accessing power and communications
- Cut out locations vary depending on the application type:
  - All cut outs are located right of center-line on the front of the Fascia – this allows for electrics and communications to be specified on both inner and outer elevations of the same wall module
  - At worksurface and base height, cut outs are always oriented horizontally
  - Fascia cut out locations are available in the following finishes: Solid and Fabric Wrapped
  - 4" base fascias cannot accept cut outs but wires can be routed through them

<table>
<thead>
<tr>
<th>Horizontal cut outs</th>
<th>Vertical cut outs</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Base height" /></td>
<td><img src="image" alt="Base height" /></td>
</tr>
<tr>
<td>2-1/2&quot; above finished floor to center-line of cut out</td>
<td>18&quot; above finished floor to center-line of cut out</td>
</tr>
<tr>
<td><img src="image" alt="18&quot; height" /></td>
<td><img src="image" alt="18&quot; height" /></td>
</tr>
<tr>
<td><img src="image" alt="Worksurface height" /></td>
<td><img src="image" alt="Worksurface height" /></td>
</tr>
<tr>
<td>33&quot; above finished floor to center-line of cut out</td>
<td>18&quot; above finished floor to center-line of cut out</td>
</tr>
</tbody>
</table>
The chart below outlines the styles of openings available for Fascias that accept electrical cut outs. Each letter represents a different cut out style. Cut out styles should be chosen depending on the electrical system being used.

<table>
<thead>
<tr>
<th>No need for electrical access</th>
<th>No cut outs</th>
</tr>
</thead>
<tbody>
<tr>
<td>18” AFF Height</td>
<td>S</td>
</tr>
<tr>
<td>Power Data</td>
<td>D</td>
</tr>
<tr>
<td>33” AFF Height (worksurface height)</td>
<td>T</td>
</tr>
<tr>
<td>Combined Heights (18” and worksurface heights)</td>
<td>Q</td>
</tr>
<tr>
<td>Base Height</td>
<td>6</td>
</tr>
<tr>
<td>Hardwire</td>
<td>7</td>
</tr>
<tr>
<td>18” AFF Height</td>
<td>8</td>
</tr>
<tr>
<td>33” AFF Height (worksurface height)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Z</td>
</tr>
</tbody>
</table>
Fascia Cover Caps (EFCC) can be ordered to cover unused hardwired cut outs by size.

<table>
<thead>
<tr>
<th>Cut Out Descriptions</th>
<th>Width Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>No need for electrical access</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>No cut outs</td>
</tr>
<tr>
<td><strong>S</strong></td>
<td>18” AFF Height Vertical Cut Out for Single Module</td>
</tr>
<tr>
<td><strong>D</strong></td>
<td>18” AFF Height Vertical Cut Out for Double Module</td>
</tr>
<tr>
<td><strong>T</strong></td>
<td>18” AFF Height Vertical Cut Out for Triple Module</td>
</tr>
<tr>
<td><strong>Q</strong></td>
<td>18” AFF Height Vertical Cut Out for Quad Module</td>
</tr>
<tr>
<td><strong>F</strong></td>
<td>33” AFF (Worksurface Height) Horizontal Cut Out for Single Module</td>
</tr>
<tr>
<td><strong>G</strong></td>
<td>33” AFF (Worksurface Height) Horizontal Cut Out for Double Module</td>
</tr>
<tr>
<td><strong>L</strong></td>
<td>Combination: 33” AFF (Worksurface Height) Horizontal Cut Out for Single Module and 18” AFF Height Vertical Cut Out for Double Module</td>
</tr>
<tr>
<td><strong>M</strong></td>
<td>Combination: 33” AFF (Worksurface Height) Horizontal Cut Out for Double Module and 18” AFF Height Vertical Cut Out for Double Module</td>
</tr>
<tr>
<td><strong>H</strong></td>
<td>Base Height 1 Horizontal Cut Out</td>
</tr>
<tr>
<td><strong>J</strong></td>
<td>Base Height 2 Horizontal Cut Outs</td>
</tr>
<tr>
<td><strong>K</strong></td>
<td>Base Height 3 Horizontal Cut Outs</td>
</tr>
<tr>
<td><strong>W</strong></td>
<td>18” AFF Height 1 Vertical Cut Out</td>
</tr>
<tr>
<td><strong>A</strong></td>
<td>18” AFF Height 2 Vertical Cut Outs</td>
</tr>
<tr>
<td><strong>X</strong></td>
<td>33” AFF (Worksurface Height) 1 Horizontal Cut Out</td>
</tr>
<tr>
<td><strong>Y</strong></td>
<td>33” AFF (Worksurface Height) 2 Horizontal Cut Outs</td>
</tr>
<tr>
<td><strong>Z</strong></td>
<td>33” AFF (Worksurface Height) 3 Horizontal Cut Outs</td>
</tr>
</tbody>
</table>
Hardwire components consist of receptacle modules and communications modules.

- Connection to building supply must be done by a qualified electrician
- Fascia cut outs may not accept client-supplied standard electric/data boxes, receptacles and faceplates, the factory cut outs match factory electrics
- One size cut out fits both receptacle and communications modules. Any combination of Receptacles or Communications Modules are possible

Receptacle Module (ERM)
- Provides access to electrical power and can be installed at all Fascia cut outs located at base height, 18” height, and worksurface height
- Available in Standard or Isolated Ground
- Pre-wired with 20’-0” cable
- Altos receptacles are standard 120-volt with a choice of 15 or 20 amp
- Comes ready for installation and includes a standard electrical/data box, decora receptacle and faceplate

Communications Module (ECM)
- Voice and data are brought to the workspace via the Communications Module and can be used in all Fascia cut outs located at base height, 18” high and worksurface height
- Accepts modular furniture or decora strap faceplates
- Jacks/faceplates and cabling not included
- Can be specified to accept the pictured two faceplates
- Can be specified to accept twisted pair, fiber optic or coaxial cable (supplied by others)

Fascia Cover Cap (EFCC)
- The Fascia Cover Cap covers any unused Fascia cut outs for Hardwired electrics.
hardwire electrics & communications basics
(continued)

- One size cut out fits both receptacle and Communications Modules
- Any combination of Receptacles or Communications Module are possible
The following should be considered when planning with hardwire electrics and communications.

Electrical and communication cables are fed from the ceiling or from access floors through cut outs in the Ceiling or Base Channels to Receptacle and Communications Modules.

- Receptacle Modules are pre-wired with a 20'-0” cable and must be connected to building supply by a qualified electrician
- Communications Modules are not pre-wired
- All cables must be supplied by the cable contractor

Ceiling feed must be routed vertically through corner connections when planning with clerestories or glazed Fascias and horizontally to Receptacle or Communications Modules

Two options are available for wire systems in ERM receptacle modules, hardwire electrics:

**Standard Circuit**

- H Hot Wire
- N Neutral Wire
- G Ground Wire

**Isolated Ground Circuit**

- H Hot Wire
- N Neutral Wire
- G Ground Wire
- IG Isolated Ground Wire

(for isolated ground: orange receptacle)

Altos Receptacle Modules (ERM) consist of three wires (one circuit) for standard circuits and four wires for isolated ground circuits. Receptacles can be specified as standard or isolated ground.
Altos Power Data electrics allows for maximum flexibility and simple reconfiguration.

1. Power is provided to Altos walls by a building junction box provided by others.
2. Power Data Starter Cable (EPDSC) - Connects to the building’s junction box (by a certified electrician). Cables are fed from the ceiling or from access floors though cut outs in the ceiling or base channels to the Power Data Modules.
3. Four-Way Splitters (EPDDDB) - Connects to the Starter Cable and allows daisy chaining as well as back to back.
4. Power Data Connecting Harness (EPDCH) can be specified to link modules or passing through panels without receptacles.
5. Modules can be mounted back to back to provide power to adjacent offices.
6. Reaching other power locations can be accomplished by adding an In-line connector (EPDIC) to lengthen the infeed with a power harness when is end of run, single sided.

Power can be accessed through the use of power modules, which are mounted on Fascias at 18” height, or 33”AFF. That is below or above the worksurface respectively (standard cut out locations). Power Data Modules are mounted from behind the fascia by fastening to the fascia.
power data electrics basics

Power data electrics consist of the following components that allow office spaces to be powered directly from Altos walls:

- Power data components can be connected in series (daisy chained) and are non-directional.
- Power from a single building supply may be routed to multiple offices.
- Back-to-back installation of electrics and communications is possible because electrical box mounting is offset on the fascia.
- All components must be specified from the same wire system - systems available: 4B, 5D, 7G, 8T and 8K.
- Certain Altos Fascias are available with cut outs to match each Power Data Module type. See Fascia power/communication Cut Outs page for more detail.
- Power Data Components cannot be connected with hardwired components.
- Electrical connections to the building power supply must be done on-site by a certified electrician.
- Maximum number of Power Data Modules chained by one feed is limited by electrical loads. This will depend on the number of receptacles per Power Module, what equipment will be plugged in to those receptacles, the number of circuits, and the local code’s requirements. For convenience, limit to four rooms/offices. Please contact your electrical contractor for further assessment.

**Diagram:**

1. Power Data Starter Cable (EPDSC)
2. Power Data Four-Way Splitter (EPDDB)
3. Power Data Vertical Module – Triple (EPDMT)
4. Power Data Connecting Harness (EPDCH)
5. Power Data In-line Connector (EPDIC)
6. Power Data Vertical Module – Double (EPMD)
Power data components

Power data consists of the following components

Power data modules mount to panel fascias to provide access to power and/or communications. The following chart will help you select the appropriate solution.

<table>
<thead>
<tr>
<th>Visual</th>
<th>Power Duplexes</th>
<th>Data Openings*</th>
<th>Conduit Length</th>
<th>Color</th>
<th>Electrical Voltage and Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Data Vertical Module – Communication (EPDMC)</td>
<td>0</td>
<td>1</td>
<td>No conduit</td>
<td>Black or White</td>
<td>120 volt and 15 amp or 20 amp</td>
</tr>
<tr>
<td>Power Data Vertical Module – Single (EPDMS)</td>
<td>1</td>
<td>0</td>
<td>18” Long</td>
<td>Black or White</td>
<td>120 volt and 15 amp or 20 amp</td>
</tr>
<tr>
<td>Power Data Vertical Module – Double (EPDMD)</td>
<td>1</td>
<td>1</td>
<td>18” Long</td>
<td>Black or White</td>
<td>120 volt and 15 amp or 20 amp</td>
</tr>
<tr>
<td>Power Data Vertical Module – Triple (EPDMT)</td>
<td>2</td>
<td>0</td>
<td>18” Long</td>
<td>Black or White</td>
<td>120 volt and 15 amp or 20 amp</td>
</tr>
<tr>
<td>Power Data Vertical Module – Quad (EPDMQ)</td>
<td>3</td>
<td>1</td>
<td>18” Long</td>
<td>Black or White</td>
<td>120 volt and 15 amp or 20 amp</td>
</tr>
<tr>
<td>Power Data Horizontal Module - Communication (EPDHC)</td>
<td>0</td>
<td>1</td>
<td>No Conduit</td>
<td>Black or White</td>
<td>120 volt and 15 amp or 20 amp</td>
</tr>
<tr>
<td>Power Data Horizontal Module - Single (EPDHS)</td>
<td>1</td>
<td>0</td>
<td>18” Long</td>
<td>Black or White</td>
<td>120 volt and 15 amp or 20 amp</td>
</tr>
<tr>
<td>Power Data Horizontal Module - Double (EPDHD)</td>
<td>1</td>
<td>1</td>
<td>18” Long</td>
<td>Black or White</td>
<td>120 volt and 15 amp or 20 amp</td>
</tr>
<tr>
<td>Power Data Horizontal Module - Triple (EPDHT)</td>
<td>2</td>
<td>0</td>
<td>18” Long</td>
<td>Black or White</td>
<td>120 volt and 15 amp or 20 amp</td>
</tr>
</tbody>
</table>

*All data openings include 1 cover plate for the communication outlet (color to match faceplate).
Connects to building communication network (no power).
Cables and data jacks for communication boxes to be provided by others.
Power data electrics consists of the following components to route power to Altos panels

<table>
<thead>
<tr>
<th>Description</th>
<th>Visual</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Data Four-Way Splitter (EPDDB)</strong></td>
<td>![Image](Image 13) ![Image](Image 14) ![Image](Image 15) ![Image](Image 16)</td>
<td>• Distributes power in two or three directions • Routes power between modules, harnesses, and/or starter cables • Includes two port covers</td>
</tr>
<tr>
<td><strong>Power Data In-line Connector (EPDIC)</strong></td>
<td>![Image](Image 13) ![Image](Image 14) ![Image](Image 15) ![Image](Image 16)</td>
<td>• Routes power between modules, harnesses, and/or starter cables</td>
</tr>
<tr>
<td><strong>Power Data Starter Cable (EPDSC)</strong></td>
<td>![Image](Image 13) ![Image](Image 14) ![Image](Image 15) ![Image](Image 16)</td>
<td>• Feeds building power from ceiling down to the Power Data Modules in a panel, or from base floor up to the modules • Always connects to a junction box (provided by electrician) • Includes an In-line Connector</td>
</tr>
<tr>
<td><strong>Power Data Connecting Harness (EPDCH)</strong></td>
<td>![Image](Image 13) ![Image](Image 14) ![Image](Image 15) ![Image](Image 16)</td>
<td>• Routes power between Power Data Modules and is non directional • Also connects to Starter Cables for routing power</td>
</tr>
</tbody>
</table>
Power data receptacles are available in 15 amp, 20 amp and with USB options. Please see chart for possible combinations.

- USB receptacles are only available in Circuit 1
- USB receptacles cannot be on a controlled circuit

<table>
<thead>
<tr>
<th>Power Receptacles</th>
<th>15 amp</th>
<th>20 amp</th>
<th>Data Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptacle outlets</td>
<td>Standard Outlet (S)</td>
<td>Controlled Outlet (D)</td>
<td>USB (A+C)* Outlet (U)</td>
</tr>
<tr>
<td></td>
<td>Standard Outlet (T)</td>
<td>Controlled Outlet (E)</td>
<td>USB (A+C)* Outlet (W)</td>
</tr>
<tr>
<td></td>
<td>Data Opening (0)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*USB (A+C)

Cable compatibility: USB C
USB 2.0
USB 3.0

USB charger provides a total combined output of up to 25 Watts (5 Amps).
Maximum output on the USB-A port is 10 Watts (2 Amps).
Output voltage is fixed at 5 Volts DC.

Faceplate opening dimensions for Data:

Data opening accepts modular furniture faceplates (supplied by others)
understanding controlled receptacles

Altos based solution for the controlling function that addresses the ASHRAE/Title 24 energy conservation requirements.

Power Data electrics offers standard and controlled power receptacles for Altos walls. Controlled receptacles are any receptacles connected to an automatic shut-off controller.

- Shut-off controllers turn electrical power on and off in those controlled receptacles to:
  - Save electrical consumption,
  - Reduce carbon footprint,
  - Comply with energy codes, and
  - To earn points for LEED rewards/certifications

- When devices such as monitors, televisions, or task lights, are left ON or plugged in when not in use, they still consume energy. Power controlled receptacles will automatically switch off to minimize wasted energy. Power can be switched off by means of an occupancy sensor, timer or other method as chosen by the site electrician or contractor. This allows for ASHRAE/Title 24 compliance

- Receptacles are typically controlled by circuit in a modular power distribution system. This means that all receptacles on the same circuit will be controlled together. For example, if circuit #2 is connected to a sensor placed in the ceiling, then all receptacles on circuit #2 powered from the same feed harness will switch on and off together. Even if they are in separate rooms. This is important to remember/understand when specifying or planning the electrical layout

- Controlled receptacles are simple to identify. They are marked with the universally recognized power symbol and the word “controlled”. This permanent marking allows users to differentiate them from standard receptacles and inform employees, guest users and others which receptacles have constant power availability and which receptacles may have power switched off at predetermined times or occupancy conditions

- Identifying which outlets automatically shut-off and which remain constantly powered is important, so the correct equipment and devices may be plugged into the appropriate outlet

Constant Power Outlet (Standard receptacle):
Plug in:
• Computer CPUs,
• Internet routers
• Devices which must always be on

Shut-off controlled Outlet (Controlled receptacle):
Plug in:
• Displays/monitors
• Task lights
• Space heaters/Fans
• Printers
• Televisions
• Water fountains
determining harness lengths

The following outlines the harness lengths required for connecting Power Data Modules.

- It is important to include in-line connectors and four-way splitters to connect Power Data Modules
- All Power Data Modules have 18” long conduits
- Altos Portrait vertical posts have 3.5” high openings at 12” and 25” AFF
- Cut outs on the horizontals are located 3” from the vertical reveal line, to the center of the cut outs at each end. They are 1.2” by 3.1”

Add the following applicable length then use the harness length matrix to order harness product/s:

1) 1/2 the wall segment width on the starting Power Data Module
2) 1/2 the wall segment width on the destination Power Data Module
3) One full wall segment width on any pass-through walls
4) 14” when passing through a connector post (two-way, three-way or four-way)
5) 30” for dropping and rising to pass through base (applies to 18” high AFF and worksurface height)
6) No length required to transition for a back to back application (applies only when connecting two modules)
7) When three or four power modules are in the same frame section (ie. at 18”AFF and 33”AFF, back-to-back) you need two additional splitters and a short harness: EPDCH48

harness length matrix

<table>
<thead>
<tr>
<th>Calculated Length</th>
<th>Product combination to order</th>
</tr>
</thead>
<tbody>
<tr>
<td>0” to 47”</td>
<td>EPDCH48</td>
</tr>
<tr>
<td>48” to 71”</td>
<td>EPDCH72</td>
</tr>
<tr>
<td>72” to 95”</td>
<td>EPDCH96</td>
</tr>
<tr>
<td>96” to 119”</td>
<td>EPDCH120</td>
</tr>
<tr>
<td>120” to 143”</td>
<td>EPDCH144</td>
</tr>
<tr>
<td>144” to 167”</td>
<td>EPDCH120, EPDIC, EPDCH48</td>
</tr>
<tr>
<td>168” to 191”</td>
<td>EPDCH120, EPDIC, EPDCH72</td>
</tr>
<tr>
<td>192” to 215”</td>
<td>EPDCH120, EPDIC, EPDCH96</td>
</tr>
<tr>
<td>216” to 239”</td>
<td>EPDCH120, EPDIC, EPDCH120</td>
</tr>
<tr>
<td>240” to 263”</td>
<td>EPDCH120, EPDIC, EPDCH144</td>
</tr>
<tr>
<td>264” to 287”</td>
<td>EPDCH144, EPDIC, EPDCH144</td>
</tr>
</tbody>
</table>

Always remember to include in-line connectors and four-way splitters to connect Power Data Modules and/or harnesses.
determinating harness lengths (continued)

The following examples will further explain these rules:

Adjacent panels with Power Data Modules at the same height.

Passing through more than one panel, at the same height.

Passing through more than one panel, when dropping and rising through the base.

When passing through unpowered fascias with obstructions such as glass panels, a change of height is necessary to route power at base.
The following outlines the harness lengths required for connecting Power Data Modules.

**Back-to-back modules**

Back to back modules do not require harnesses to connect them together.

**Passing through corner connections**

Harness calculation:

\[
\frac{36''}{2} \quad + \quad \frac{36''}{2} \quad + \quad 14'' = 50'' \quad \text{EPDCH72}
\]

When connecting three or four modules in a single panel, such as the case of back-to-back situation, a 48” harness and two additional splitters are required.
Altos framing system has cut outs that allow for routing cables. Cables can be fed through ceiling or base channels, horizontals, vertical posts, as well as space under base fascias. The following should be considered when routing Power Data electrics.

<table>
<thead>
<tr>
<th>Power path</th>
<th>Portrait Power Data</th>
<th>Landscape Power Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-line through two vertical post</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Through horizontal</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Through horizontal at the base</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Two-Way 90°, through two vertical posts</td>
<td>3-3</td>
<td>2-2</td>
</tr>
<tr>
<td>Three-Way 90°, through three vertical posts</td>
<td>3-3 as shown</td>
<td>2-2 limit</td>
</tr>
<tr>
<td>Three-Way 90°, through three vertical posts</td>
<td>3-2-1</td>
<td>3-2-1</td>
</tr>
</tbody>
</table>

The Adjustable Wall End, Wall Start, and Spine Wall Off-Module do **not** route electrics or communications to adjacent walls.
### Planning with Power Data Power Distribution (continued)

<table>
<thead>
<tr>
<th>Power path</th>
<th>Portrait Power Data</th>
<th>Landscape Power Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-Way 90°, through three vertical posts</td>
<td>3-2-3</td>
<td>3-2-3</td>
</tr>
<tr>
<td>Three-Way 90°, through three vertical posts</td>
<td>2-3-3 as shown</td>
<td>2-2-2 limit</td>
</tr>
<tr>
<td>Three-Way 90°, through three vertical posts</td>
<td>2-2-2</td>
<td></td>
</tr>
<tr>
<td>Four-Way, through vertical post. Must drop down to make a turn</td>
<td>1-1</td>
<td>1-1</td>
</tr>
<tr>
<td>4” base fascia power routing</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Routed vertically through corner connection</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

The Adjustable Wall End, Wall Start, and Spine Wall Off-Module do **not** route electrics or communications to adjacent walls.
planning with power data power distribution (continued)

Power data electrics can be daisy chained above ceiling, inside panels, or below floor

power distribution inside panels

power distribution above ceiling
planning with power data power distribution (continued)

The following should be taken into consideration when planning for power distribution

planning with glass fascias

Power data components cannot be routed through Fascia packages that include glazed Fascias.

Power data components can be routed through a 4” or 6” base Fascia when glass is above.

planning with light switches

Power data modules cannot be linked together with light switches. Light switches are pre-wired with a 20'-0” cable and must be connected to building supply by a qualified electrician.
Harnesses cannot be linked together.
An in-line connector or a four-way splitter should be specified to connect them.

Power data modules cannot be linked together.
A four-way splitter should be specified to connect them.
Connection to a grounded 3 phase WYE system - 120/208 V.

- Five wiring systems are available for power data, 4B, 5D, 7G, 8T and 8K
- It is important to specify each power product accordingly with the wire system in use. Components are marked with the wire system to avoid connecting mismatched parts
- For sites where Isolated Ground is not available, Teknion offers Non-Isolated Ground options for powering walls. The site electrician or electrical contractor/consultant can identify sites where Isolated Ground is not available. For those sites, please specify Teknion 4B or 5D wiring systems
power data information for electricians (continued)
power data information for electricians (continued)

**4B 4-Wire 2 Circuit**

![Diagram of 4B 4-Wire 2 Circuit]

**5D 5-Wire 3 Circuit**

![Diagram of 5D 5-Wire 3 Circuit]

**7G 7 Wire 3 Circuit (2+1 Isolated Ground)**

![Diagram of 7G 7 Wire 3 Circuit (2+1 Isolated Ground)]
power data information for electricians (continued)
The following steps should be followed when determining electrical requirements.

- The distribution of power is the responsibility of the electrical contractor
- The number of power outlets and voice/data jacks per workspace should be determined by end-user requirements and approved by the electrical contractor
- Voice/data jack/faceplates are supplied by the cable contractor
- Check amperage of specific equipment that will be used. Amperage used below are for sample purposes only

**step 1:**
List all office equipment and lighting requirements for each work space with appropriate amperage loads. Calculate total amperage required for each work space. Altos receptacles are standard 120-volt, 15 or 20A. 220-volt equipment should be assigned to an alternative electrical distribution system.

<table>
<thead>
<tr>
<th>Work Space #</th>
<th>Requirement</th>
<th>Amps</th>
<th>Module Required</th>
<th>Type of Circuit</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Personal Computer</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amps #1</td>
<td>9.00</td>
<td>9 amps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Personal Computer</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amps #2</td>
<td>9.00</td>
<td>9 amps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Personal Computer</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Laser Printer</td>
<td>7.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Desk Lamp x 2</td>
<td>2.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amps #3</td>
<td>13.00</td>
<td>13 amps</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amperage</td>
<td>31.00</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
determining electrics & communications requirements (continued)

step 2:
Determine the number and location of Receptacle and Communications Modules or Power Boxes needed in each workspace. Some equipment (e.g. computers) may require an isolated circuit and this should be specified at this stage.

<table>
<thead>
<tr>
<th>Work Space #</th>
<th>Requirement</th>
<th>Amps</th>
<th>Module Required</th>
<th>Type of Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground or Standard, 120 V, 15 amp</td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
</tr>
<tr>
<td></td>
<td>Total Amps #1</td>
<td>9 amp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground or Standard, 120 V, 15 amp</td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
</tr>
<tr>
<td></td>
<td>Total Amps #2</td>
<td>9 amp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground or Standard, 120 V, 15 amp</td>
</tr>
<tr>
<td></td>
<td>Laser Printer</td>
<td>7.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
</tr>
<tr>
<td></td>
<td>Desk Lamp x 2</td>
<td>2.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
</tr>
<tr>
<td></td>
<td>Total Amps #3</td>
<td>13 amp</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Amperage: 31 amps

Legend
- Duplex Receptacle, Standard Electrical Outlet 120 volt, 15 or 20 amp
- Duplex Receptacle, Isolated Ground 120 volt, 15 or 20 amp
- Telephone Outlet
- Communications Outlet with Twisted Pair Signal Cable
determining electrics & communications requirements
(continued)

The following steps should be followed when determining electrical requirements.

step 3:
Balance the electrical load by assigning equipment to specific circuits. It is necessary to know the building’s circuit capacity to do this. Also check local code requirements so that the maximum number of receptacles per circuit is not exceeded.

<table>
<thead>
<tr>
<th>Work Space #</th>
<th>Requirement</th>
<th>Amps</th>
<th>Module Required</th>
<th>Type of Circuit</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground, 120 V, 15 amp</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>B</td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>B</td>
</tr>
<tr>
<td></td>
<td>Total Amps #1</td>
<td>9 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground, 120 V, 15 amp</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>Total Amps #2</td>
<td>9 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground, 120 V, 15 amp</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Laser Printer</td>
<td>7.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>D</td>
</tr>
<tr>
<td></td>
<td>Desk Lamp x 2</td>
<td>2.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>D</td>
</tr>
<tr>
<td></td>
<td>Total Amps #3</td>
<td>13 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amperage</td>
<td>31 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Altos receptacles are decora-style and are rated for 15 or 20 amps. For continuous loads, de-rate load capacity of the circuit to 80% of rating or what’s required by local codes. It is advised to consult with local electrician.

step 4:
Determine the number of voice and data jacks required for each workspace. Communication jacks, faceplates and cables are supplied by the cabling contractor.

step 5:
Translate electrics and communications requirements into appropriate Altos product.
specifying altos electrics & communications

The following steps should be followed when specifying electrics.

- The inside and outside elevations of one wall module can both be installed with Receptacle and/or Communications Modules
- Back-to-back installation of electrics and communications is possible due to offset mounting on Fascias

specifying method

1. Determine Fascia configuration and level of cut out

When power and/or communications is required, Altos Fascias must be specified with corresponding cut-outs. Non-powered Fascias can be retrofitted with electrics and communications by ordering a single new Fascia with appropriate cut out(s) and required electrical components.

Work Space 1

![Diagram of Work Space 1]

Legend
- Duplex Receptacle, Standard
- Electrical Outlet 120 volt, 15 amp or 20 Amp
- Telephone Outlet
- Duplex Receptacle, Isolated Ground
- 120 volt, 15 amp or 20 Amp

On Elevation Y, build up Fascias and specify electrics and communications option at worksurface height for Fascia (FPW12)
On Elevation Z, build up a Fascia and specify electrics and communications option at 18” height for Fascias (FPW13, FPW14, FPW15)

2. Order appropriate Receptacle and/or Communications Module(s) or Power Boxes. The total number should match the total number of cut outs specified on Fascias
portrait – mounted
storage & accessories
A number of mounted storage products can be suspended on Altos Portrait walls. Mounted storage products conserve floor space and provide storage for materials.

Overhead Cabinets are suspended by two brackets that hook into the Vertical Post Packages, so all applications must be on-module and span the width of the wall module.

The following overheads are available for mounting to Altos Portrait (these overheads are not compatible with Altos Landscape):

- Standard Overhead Cabinet (LCSF)
- Ledger Overhead Cabinet (LUSF)
- Ledger Flush-Front Cabinet (LSF)
- Ledger Sliding Door Cabinet (LSSF)
- Ledger Full Pull Cabinet (SSF)
accessory basics

Altos Portrait offers the following mounted storage and accessory options.

Coat Hook (FMCH)
- Allows a means of hanging coats within an Altos environment
- Mounted on-module, in the vertical reveal at varying heights
- Can be used for all wall elevation and surface finish types

Office Signage (FMOS)
- Identifies an occupant and/or location, within an Altos environment
- Coordinates with the Workstation Signage on systems furniture
- Mounted on-module, in the vertical reveal at varying heights
- Can be used for all wall elevation and surface finish types

Art Hook (FMAH)
- Provides an alternative means of hanging pictures without damaging the face of Altos fascias
- Mounted off-module, from the horizontal reveal line above the location of the art work
- Can be used for all wall elevation and surface finish types
- Each hook can support a picture weighing up to 15 lbs
- Multiples of the Art Hook can be used to accommodate large, unbalanced or heavy pictures

planning with accessories

The following rules apply when planning with accessories.

The Art Hook cannot be mounted from the reveal lines of the Barn Door or Adjustable Wall End

Art Hook (FMAH) and Coat Hook (FMCH)
- Is not advised to mount a picture at a location that interferes with a swinging door in the open position
- Must be located in a position that does not interfere with the path of the Barn Door

Office Signage (FMOS)
- Cannot be mounted at the inside location of corner connections
- Must be located in a position that does not interfere with the path of the Barn Door
single-sided applications per portrait wall module

These four applications can be planned in any combination on up to a 16’ wall run.
portrait – integration
portrait – integration

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Altos Portrait integrates with other freestanding Teknion desking and table lines.

Worksurfaces must be mounted on-module, with Altos specific brackets.

perpendicular to the wall

parallel to the wall

combination

in a corner

freestanding
planning with worksurfaces

The following rules should be taken into consideration when planning with worksurfaces.

For typical seated working conditions, a 29” worksurface height above the finished floor is recommended. The 42” worksurface height is recommended for a standing-height worksurface.

- Mounting heights can vary between worksurfaces that are adjacent or perpendicular to one another.
- At the point of height transition (greater than 1”), supports cannot be shared.

If off-module planning is required, worksurfaces, case goods or tables can be used in freestanding applications to allow for a variety of functional applications.

Specify one on-module cantilever (FLON) for each worksurface where height changes are greater than 1” to ensure sufficient support.

On-module cantilever: The slotted standards in the vertical post packages allow worksurfaces to be fully- or semi-suspended at any height in 1” increments.
The following should be taken into consideration when planning with worksurfaces.

**parallel applications**

The parallel applications width of the worksurface must be the same as the width of the corresponding wall module – the only exception is where one worksurface spans the width of two (2) wall modules. A worksurface cannot span a width greater than two wall modules.

A 1” gap exists between the wall and worksurface to provide wire management.

Spans greater than 60” may require additional support.

**corner applications**

Worksurfaces are used in corners so that the 1” wire management gap is maintained on both worksurface edges.

**perpendicular applications**

When a worksurface is used perpendicular to the wall, the depth dimension of the worksurface must equal the width of the wall to which it is perpendicular.
The following rules should be taken into consideration when planning with worksurfaces.

u-shaped configurations

- Begin the configuration so that the width of the worksurface matches the width of the wall
- In all cases, a 30” wide wall and an appropriate wide Rectangular Worksurface (FWRR) should be used. In doing this, the configuration can be completed so that it is on module in both adjacent and perpendicular directions

freestanding configurations

- Freestanding desks, returns, bridges, and corner units
- Worksurfaces can be specified for freestanding applications. The C-leg (TLCL) and Open End (TLOE) worksurface supports can be used
- This offers the possibility of planning off-module because the worksurface supports are not dependent on the position of the Vertical Post Packages
Two worksurfaces supports are available for mounting on-module surfaces to Altos; the On-Module Cantilever (FLON) and the On-Module Corner Bracket (FLCB).

on-module supports

- Worksurface supports must be on-module when used in fully- or semi-suspended applications
- Visually, this lines the worksurface up with the reveals of the wall to provide line continuity from the vertical to the horizontal plane
- Supports can be used on-module only

off-module supports

- Off-module applications are possible using freestanding supports that are not attached to the Altos wall
- The following off-module or freestanding worksurface supports are available for use with Altos
One support is required at the end of each worksurface. Some supports can be shared between two adjacent worksurfaces.

Wall-mounted worksurfaces require support every 60°.
understanding landscape
understanding landscape

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PLANNING POSSIBILITIES – ENCLAVES – LANDSCAPE ........ 199

PLANNING POSSIBILITIES – OFFICE – LANDSCAPE ............. 203

PLANNING POSSIBILITIES – MEETING ROOM – LANDSCAPE ... 204

PLANNING POSSIBILITIES – STOREFRONT – LANDSCAPE ...... 205
Altos Landscape is a full height architectural wall system with horizontally spanning fascias and a variety of wall-mounted components for increased functionality. Landscape walls provide an efficient, flexible and acoustically sound solution for both large and small enclosed spaces.

- Landscape fascias are available in a wide variety of materials and functional capability, such as the Metal Micro Perforated and Acoustic Tackable Fabric fascias for enhanced acoustics
- The Landscape wall-mounted collection includes Shelving, Lighting, and Storage, which maximize available floor space and enable flexible planning opportunities
- The collection includes a wall integrated height-adjustable desk for sit-stand applications

Planning with Altos Landscape maximizes the space on a floor plate to fit more offices in a run. This is accomplished by planning with Landscape’s large horizontal fascias and the wall integrated Landscape desk, shelving, lighting and storage collection.
Landscape enclaves are small retreat spaces beneficial for a call, two to three person collaboration or a heads down space to work alone.

- Allows for one to three people depending on layout
- Can be planned with a footprint as small as 5’ x 7’

Primary enclave applications include:

1. Heads down work
2. Collaboration
3. Video conferencing

*Landscape Fascias provide functionality to enclosed spaces and provide enhanced acoustics.*

*Altos Barn Door (FDC) + Portrait Barn Door Rail Kit for Full Height Door – Low Profile (FPUGFR) + Portrait Barn Door Jamb Kit for Full Height Glass Door – Low Profile (FPUGFJ) (Shown)*
landscape planning possibilities – enclaves (continued)

enclaves - work

• Ideal as a single person work space retreat for heads down work
• Acoustic Tackable Fabric fascia provides acoustic sound absorption and tackable functionality
• Altos desk height can be adjusted to the required ergonomic height for sitting or standing

Commonly used in combination with the following components:

1. Landscape Desk Height-Adjustable
2. Landscape Solid fascias
3. Acoustic Tackable Fabric fascias
4. Landscape Wall-Mounted Light

Not Shown:
Power Cube
Power and Communication electrics
enclaves - collaboration

• Ideal as a two person collaborative space
• Backpainted Markerboard and Tray provides functionality for brainstorming and project planning
• Landscape Wall-Mounted Light above Markerboard can be specified with adjustable task lighting for the necessary work style required

Commonly used in combination with the following components:

1. Landscape Wall-Mounted Cabinets
2. Fitted Seat Cushion
3. Landscape Solid Fascias
4. Markerboard Frameless Fascias
5. Landscape Tray Whiteboard
6. Landscape Wall-Mounted Light

Not Shown:
Power and Communication electrics
enclaves - video conferencing

• Ideal as a personal video conferencing enclave or a retreat to relax and unwind
• Metal Micro Perforated fascias provide acoustic sound absorption for additional privacy
• Monitor technology shown below is ideal for video sharing applications

Contact your Teknion service representative for use of monitor with Landscape

Commonly used in combination with the following components:

1. Landscape Micro Perforated fascias
2. Landscape Solid Fascias
3. Landscape Tray Whiteboard

Not Shown:
Power and Communication electrics
planning possibilities – office – landscape

office

- Landscape’s wall-integrated Office format makes more efficient use of available space while maintaining acoustic isolation
- Fixed or non fixed address applications for one to three people
- Can be planned with a footprint as small as 7’ x 9’

Commonly used in combination with the following components:

1. Landscape Desk Height-Adjustable
2. Landscape Wall-Mounted Sliding Door Cabinet
3. Fitted Seat Cushion
4. Landscape Wall-Mounted Light
5. Landscape Acoustic Tackable Fabric fascias
6. Landscape Solid Fascias
7. Power Cube

Not Shown:
- Worksurface Grommet
- Power and Communication electrics
planning possibilities – meeting room – landscape

meeting room

• Large environments are optimized for boardroom meetings, educational training sessions or special events
• Ideal for five to twenty people depending on layout
• Maximum wall run for Landscape fascias is 16’ when planning with shelving or Wall-Mounted Light
• Landscape’s variety of functional fascias can provide transparency for light transmission, sound absorption or isolation, and Markerboard and Tackboards for project planning
• Storage can be optimized as housing for AV equipment or additional bench seating
• Wall-Mounted Whiteboard Tray used below Markerboard or monitors

Commonly used in combination with the following components:

1. Landscape Wall-Mounted Cabinets
2. Landscape Markerboard fascias
3. Landscape Tray Markerboard
4. Landscape Single or Double Glass fascias
5. Landscape Solid fascias
6. Acoustic Tackable Fabric Fascia

Not Shown:
- Fitted Seat Cushion
- Power and Communication electrics

[Diagram of meeting room with numbered components]
planning possibilities – storefront – landscape

storefront

• Large horizontal glass fascias emphasize a continuous landscape aesthetic
• Single or Double Glass
• Transitions to select Altos doors, with Hinge, Pivot and Barn Door options
• Integrates with Altos shelving and light program

Commonly used in combination with the following components:
1. Landscape Wall-Mounted Light
2. Landscape Single or Double Glass fascias
3. Select Altos Hinged, Pivot and Barn Doors
landscape – fascias
Landscape Fascias can be planned in six elevations for various datum combinations.

The following chart outlines the Landscape elevations offered.

**Standard Working Wall**
- Shares 36” and 84” high datums with Portrait elevations
- Can accommodate Wall-Mounted Light and Shelving
- Base/Ceiling Fascias are 4” high

**Light Working Wall**
- Can accommodate Wall-Mounted Light and Shelving
- Allows for 36”, 60” and 84” datums
- Base/Ceiling Fascias are 4” high

**Cabinet Working Wall**
- Can accommodate wall-mounted cabinets, shelving and lighting.
- Allows for 21”, 36”, and 84” datums
- Base/Ceiling Fascias are 4” high

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Width Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Solid (available on all fascias)</td>
<td>12” - 120”</td>
</tr>
<tr>
<td>FW</td>
<td>Fabric Wrapped (available on all fascias)</td>
<td>12” - 120”</td>
</tr>
<tr>
<td>MB</td>
<td>Markerboard Framed</td>
<td>12” - 118”</td>
</tr>
<tr>
<td>MB</td>
<td>Markerboard Frameless</td>
<td>12” - 96”</td>
</tr>
<tr>
<td>AF</td>
<td>Acoustic Tackable Fabric</td>
<td>12” - 120”</td>
</tr>
<tr>
<td>MP</td>
<td>Metal Micro Perforated</td>
<td>12” - 96”</td>
</tr>
<tr>
<td>G</td>
<td>Glass</td>
<td>12” - 96”</td>
</tr>
</tbody>
</table>
Fascias are available in a variety of solid and glass finishes that correspond to the selected landscape elevation.

- Landscape elevations are built up out of fascias and frames to complete both sides of a wall module.
- Landscape elevations can be different on the front and back of the wall.
- Power and communication receptacle cut outs can be specified with select solid and fabric wrapped Fascias.
- Walls must be installed from floor to ceiling.
- Acoustic Fascias are not available for base, ceiling, WM1, or WM3 locations; use Fabric Wrapped fascias in these applications.
- Landscape Base and Ceiling Fascias are 4” high.
- Select Landscape Fascias are available in widths from 12” – 120” in 1/8” increments.

Also available but Not Shown:

- Two-Way 90˚ Corner Cover (FKCN90) Provides the full-height trim for two walls connected at 90˚ at Two-Way Connection 90˚ Corner
- Two-Way 120˚ Corner Cover (FKCN120) Provides the full-height trim for two walls connected at 120˚
- Two-Way 135˚ Corner Cover (FKCN132) Provides a full-height trim for two walls connected at 135˚
- Three-Way 135˚ Corner Cover (FKCN133) Provides a full-height trim for three walls connected at 135˚
- Three-Way 180˚ Corner Cover (FKCN180) Provides the full-height trim for three walls connected at 180˚

Altos Landscape works with some Altos Portrait components to create a complete wall solution. For full details on these components please refer to the Altos Portrait section.
Altos Landscape fascia options include Solid, Glass, Markerboard, Fabric-Wrapped, Acoustic Tackable Fabric, and Acoustic Metal Micro Perforated. Fascias can be reconfigured to other fascia types after installation without modifying the interior wall structure.

<table>
<thead>
<tr>
<th>Landscape Arrangement</th>
<th>Fascias Available</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Working Wall Monolithic</strong></td>
<td>• WM3 FLWM3 and FLRWM3 are 12 - 36” high in 1” increments to accommodate ceiling height</td>
</tr>
<tr>
<td></td>
<td>• W2 FLW2, FLRW2, FLATW2, FLMW, FLMMF, FLGC, FLGD are 48” high</td>
</tr>
<tr>
<td></td>
<td>• WM1 FLWM1 and FLRWM1 are 36” high</td>
</tr>
<tr>
<td><strong>Standard Working Wall Base/Ceiling</strong></td>
<td>• Ceiling FLC is 4” high and available in Solid, Fabric Wrapped, Anodized and Painted</td>
</tr>
<tr>
<td></td>
<td>• W3 FLW3, FLRW3, FLATW3, FLMPW3, FLMBW, FLGC and FLGD are 12 - 32” high in 1” increments to accommodate ceiling height</td>
</tr>
<tr>
<td></td>
<td>• W2 FLW2, FLRW2, FLATW2, FLMW, FLMMF, FLGC and FLGD are 48” high</td>
</tr>
<tr>
<td></td>
<td>• W1 FLW1, FLRW1, FLATW1, FLMPW1, FLMBW1, FLGC and FLGD are 32” high</td>
</tr>
<tr>
<td></td>
<td>• Base FLB is 4” high and available in Solid, Fabric Wrapped, Anodized and Painted</td>
</tr>
<tr>
<td><strong>Light Working Wall Monolithic</strong></td>
<td>• WM3 FLWM3 and FLRWM3 are 12 - 36” high in 1” increments to accommodate ceiling height</td>
</tr>
<tr>
<td></td>
<td>• TW2 FLTW2, FLRTW2, FLATTW2, FLMPTW2 and FLMBTW2 are 24” high</td>
</tr>
<tr>
<td></td>
<td>• BW2 FLBW2, FLRBW2, FLATBW2, FLMBBW2 are 24” high</td>
</tr>
<tr>
<td></td>
<td>• WM1 FLWM1 and FLRWM1 are 36” high</td>
</tr>
<tr>
<td><strong>Light Working Wall Base/Ceiling</strong></td>
<td>• Ceiling FLC is 4” high and available in Solid, Fabric Wrapped, Anodized and Painted</td>
</tr>
<tr>
<td></td>
<td>• W3 FLW3, FLRW3, FLATW3, FLMPW3, FLMBW, FLGC and FLGD are 12 - 32” high in 1” increments to accommodate ceiling height</td>
</tr>
<tr>
<td></td>
<td>• TW2 FLTW2, FLRTW2, FLATTW2, FLMPTW2 and FLMBTW2 are 24” high</td>
</tr>
<tr>
<td></td>
<td>• BW2 FLBW2, FLRBW2, FLATBW2, FLMBBW2 are 24” high</td>
</tr>
<tr>
<td></td>
<td>• W1 FLW1, FLRW1, FLATW1, FLMPW1, FLMBW1, FLGC and FLGD are 32” high</td>
</tr>
<tr>
<td></td>
<td>• Base FLB is 4” high and available in Solid, Fabric Wrapped, Anodized and Painted</td>
</tr>
<tr>
<td><strong>Cabinet Working Wall Monolithic</strong></td>
<td>• WM3 FLWM3 and FLRWM3 are 12 - 36” high in 1” increments to accommodate ceiling height</td>
</tr>
<tr>
<td></td>
<td>• W2 FLW2, FLRW2, FLATW2, FLMW, FLMMF, FLGC and FLGD are 48” high</td>
</tr>
<tr>
<td></td>
<td>• TW1 FLTW1, FLRTW1, FLATTW1, FLMPTW1 and FLMBTW1 are 15” high</td>
</tr>
<tr>
<td></td>
<td>• BW1 FLBW1, FLRBW1, FLATBW1, FLMBBW1 are 21” high</td>
</tr>
<tr>
<td><strong>Cabinet Working Wall Base/Ceiling</strong></td>
<td>• Ceiling FLC is 4” high and available in Solid, Fabric Wrapped, Anodized and Painted</td>
</tr>
<tr>
<td></td>
<td>• W3 FLW3, FLRW3, FLATW3, FLMPW3, FLMBW, FLGC and FLGD are 12 - 32” high in 1” increments to accommodate ceiling height</td>
</tr>
<tr>
<td></td>
<td>• W2 FLW2, FLRW2, FLATW2, FLMW, FLMMF, FLGC and FLGD are 48” high</td>
</tr>
<tr>
<td></td>
<td>• TW1 FLTW1, FLRTW1, FLATTW1, FLMPTW1 and FLMBTW1 are 15” high</td>
</tr>
<tr>
<td></td>
<td>• BW1 FLBW1, FLRBW1, FLATBW1, FLMBBW1 are 17” high</td>
</tr>
<tr>
<td></td>
<td>• Base FLB is 4” high and available in Solid, Fabric Wrapped, Anodized and Painted</td>
</tr>
</tbody>
</table>
Landscape Justified Fascias are used when a Landscape Desk is justified left or right on the wall module. They are specified at the W2, W3 and Base and Ceiling fascia locations.

When a desk is specified justified left or right on the wall module the upper fascias must be specified as Landscape justified fascias to avoid interference with the Landscape Desk Frame (FLDF). Justified Fascias are not required at the W1 location. See Desk fascia basics page for more details.

When a desk is centered on the wall module use standard Landscape fascias above the desk, except the ceiling and base fascia which must be justified.
Altos Landscape Justified fascia options include Solid, Glass, Markerboard, Fabric-Wrapped, Acoustic Tackable Fabric, and Acoustic Metal Micro Perforated. Justified fascias are used with a Desk and can be reconfigured to other justified fascia types after installation without modifying the interior wall structure.

Justified fascias cannot be located at W1/WM1 or on Cabinet Working Wall elevations.

### Landscape Arrangement  |  Fascias Available
---|---
**Working Wall Monolithic**  |  • WM3 FLJWM3 and FLJRWM3 are 12 - 36” high in 1” increments to accommodate ceiling height  
  |  • W2 FLJW2, FLJRW2, FLJATW2, FLJMW2 and FLJMWF are 48” high  
  |  |  
| WM3 |  
| W2 |  
**Working Wall Base / Ceiling**  |  • Ceiling: FLJC is 4” high and available in Solid, Fabric Wrapped, Anodized and Painted  
  |  • WM3 FLJW3, FLJRW3, FLJATW3, FLJMPW3 and FLJMWB3 are 12 - 32” high in 1” increments to accommodate ceiling height  
  |  • W2 FLJW2, FLJRW2, FLJATW2, FLJMMW2 and FLJMWF are 48” high  
  |  • Base FLJB is 4” high and available in Solid, Fabric Wrapped, Anodized and Painted  
  |  |  
| W3 |  
| W2 |  
**Light Working Wall Monolithic**  |  • WM3 FLJWM3 and FLJRWM3 are 12 - 36” high in 1” increments to accommodate ceiling height  
  |  • TW2 FLJTW2, FLJRTW2, FLJATTW2, FLJMPTW2 and FLJMWTW2 are 24” high  
  |  • BW2 FLJTBW2, FLJRTBW2, FLJATBW2, FLJMPTBW2 and FLJMWBW2 are 24” high  
  |  |  
| WM3 |  
| TW2 |  
| BW2 |  
**Light Working Wall Base / Ceiling**  |  • Ceiling: FLJC is 4” high and available in Solid, Fabric Wrapped, Anodized and Painted  
  |  • WM3 FLJW3, FLJRW3, FLATW3, FLMPW3, FLMBW3, FLGC and FLGD are 12 - 32” high in 1” increments to accommodate ceiling height  
  |  • TW2 FLJTW2, FLJRTW2, FLJATTW2, FLJMPTW2 and FLJMWTW2 are 24” high  
  |  • BW2 FLJTBW2, FLJRTBW2, FLJATBW2, FLJMPTBW2 and FLJMWBW2 are 24” high  
  |  • Base FLJB is 4” high and available in Solid, Fabric Wrapped, Anodized and Painted  
  |  |  
| W3 |  
| TW2 |  
| BW2 |  

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desk fascia basics – landscape

Landscape desk fascias accommodate the fixed or height-adjustable desk’s connection to the wall frame, and provide access to desk electrics. They work in conjunction with both standard or justified fascias.

- Desk orientation can be Center, Left or Right
- Desk fascias are located on level W1/WM1 only
- Available in Solid
- Not available with Power and Communication Cut Outs

Landscape Fixed Desk Fascia

Landscape Fixed Desk Fascias (FLDFW1, FLDFWM1)
- Available for 29” or 42” high Fixed Desks
- Desk Fascia shown combined with Base Fascia

Landscape Height-Adjustable Desk Fascia

Landscape Height-Adjustable Desk Fascias (FLDHW1, FLDHWM1)
- Accommodates 28” - 44” high Height-Adjustable Desk range
- Desk Fascia shown combined with Base Fascia
**Solid Fascias**
- Available 12" - 120" wide nominal in 1/8" increments
- Available in Fascia Laminates and Flintwood Veneers
- Available on the 4" base and ceiling fascias
- Accepts electrical boxes and switches
- Grain direction is horizontal for Landscape fascias

**Fabric Wrapped Fascias**
- Available in 12" - 120" wide nominal in 1/8" increments
- Fabric Wrapped fascias provide a frameless fabric finish
- Available on the 4" base and ceiling fascias
- Accepts electrical boxes and switches
- Available in select Panel Fabrics
- Upholstery fabrics are not available
- Fabric direction is Railroad for Fabric Wrapped fascias

**Markerboard Framed Fascias**
- Available 12" - 118" wide nominal in 1/8" increments
- Available magnetic or non-magnetic
- Frame finishes include:
  - Clear Anodized
  - Painted
  - Very White
  - Graphite
  - Anthracite
  - Sepia Bronze
  - Burnished Bronze
  - Titanium Grey
  - Gilded Ash
  - Ebony
- Available only in W2 location on Working Wall and Cabinet Working Wall
- Electrical boxes and switches are not available on markerboard fascias
- Rare-earth magnets of grade N42 are recommended for use on glass markerboards
fascia finishes – landscape (continued)

**Markerboard Frameless Fascias**
- Available 12” - 96” wide in 1/8” increments
- Available magnetic
- Available only in W2 location on Working Wall and Cabinet Working Wall
- Electrical boxes and switches are not available on markerboard fascias
- Rare-earth magnets of grade N42 are recommended for use on glass markerboards

**Acoustic Tackable Fascias**
- High performance acoustic and tackable fabric fascia used within a space to absorb excess noise
- Available 48” high and 12” – 120” wide nominal in 1/8” increments
- Acoustic Tackable Fascias provide a frameless fabric finish
- Electrical boxes and switches are not available on Acoustic Tackable Fascias
- Available in select Panel Fabrics
- Upholstery fabrics are not available
- Base and Ceiling Fascias are **not** available as Acoustic Tackable Fascias
- Fabric direction is Railroad for Acoustic Tackable fascias

**Micro Perforated Metal Acoustic Fascias**
- High performance acoustic and tackable metal fascia used within a space to absorb excess noise
- Available 12” - 96” wide nominal in 1” increments
  - Available magnetic
- Electrical boxes and switches are not available on Micro Perforated fascias
- Acoustic Metal Micro Perforated Fascias that are planned back-to-back must be specified with Landscape Metal Backers (FLMB) to block sound transfer through wall.
- Available in painted finishes:
  - Foundation:
    - Crisp Grey
    - Soft Grin
    - Sand
    - Earth
    - Slate
    - Granite
    - Ebony
  - Mica:
    - Platinum
    - Graphite
    - Anthracite
    - Sepia Bronze
    - Burnished Bronze
    - Titanium Grey
    - Gilded Ash
    - Very White

The illustration above demonstrates the Railroad fabric direction for Acoustic Tackable fascias.
**glass fascias**

- When clear glass is specified on Double Glass Fascias, both panes will be clear
- When Frosted Glass is specified on Double Glass Fascias only one pane will be frosted; the other pane will be clear

- Single Glass Fascia is centered in frame
- Specialty glass is only available on Glass Fascia – Single Centered
- Available in Clear and Frost

**Glass Fascias**

- Available 6mm Single or Double glass
- Landscape Glass fascias are only available in Square Profile.
- Available 12” - 48” high in 1” increments
- Clear tempered or laminated glass finishes available
- Available 12” - 96” wide nominal in 1/8” increments
- Frame Finishes include:
  - Clear Anodized
  - Painted
  - Very White
  - Graphite
  - Anthracite
  - Septa Bronze
  - Burnished Bronze
  - Titanium Grey
  - Gilded Ash
  - Ebony
- Electrical boxes and switches are not available on glass fascias
fascia finishes – landscape (continued)

The following finishes are available on Altos Landscape.

aluminum fascias

- Available on the 4” base and ceiling fascias
- Available on most corner, straight and articulating connectors
- Applies to the Landscape Aluminum Fascia Kit (FLFK)
- Coordinates with framed markerboard and glass fascia frames
- Clear Anodized or Painted options:
  - Ebony
  - Graphite
  - Anthracite
  - Sepia Bronze
  - Burnished Bronze
  - Titanium Grey
  - Gilded Ash
  - Very White

• When specifying an Aluminum Base or Ceiling fascia, the plastic cap will coordinate with the color of the fascia.
grain and fabric directions

Attention must be paid to grain and fabric direction when planning Altos Portrait fascias adjacent to Landscape fascias as the directions will not match. Planning Portrait and Landscape together is possible, however adjacent Portrait and Landscape fascias with fabric or grain direction is not recommended due to directionality mismatch. The Landscape/Portrait Vertical Post (FLKVP) must be specified when transitioning between Landscape and Portrait Frames.

When planning Vertical Trims with Landscape fascias, any grain direction on the Vertical Trim will remain vertical while the grain direction on the fascia will remain horizontal.
specifying fascia heights – landscape

base and ceiling fascia height is 4” only (FLB, FLC, FLRB, FLRC, FLJB, FLJC, FLJR, FLRC), available for working wall base/ceiling

- With ceiling height (CH), calculate height Dimension X” for a fascia configuration (M1, F1, S1, S2, SM1, SM2, W1, W2, W3, WM1, WM3).
- See if the product code’s Fascia Height Range satisfies the calculated height Dimension X”.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Fascia Description</th>
<th>Fascia Height Calculation (inch)</th>
<th>Fascia Height Range (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL_</td>
<td>Solid</td>
<td>32</td>
<td>48</td>
</tr>
<tr>
<td>FLR_</td>
<td>Fabric Wrapped</td>
<td>32</td>
<td>48</td>
</tr>
<tr>
<td>FLAT_</td>
<td>Acoustic Tackable</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLMP_</td>
<td>Micro Perforated Sheet Metal</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLMB</td>
<td>Sheet Metal Backer</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLMPW_</td>
<td>Markerboard Frameless</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLMPF_</td>
<td>Markerboard Framed</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLGC_</td>
<td>Glass Single</td>
<td>12-48</td>
<td>n/a</td>
</tr>
<tr>
<td>FLGD_</td>
<td>Glass Double</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLDF_</td>
<td>Fixed Desk</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLDFH_</td>
<td>Height-Adjustable Desk</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLJ_</td>
<td>Justified Solid</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLJR_</td>
<td>Justified Fabric Wrapped</td>
<td>48</td>
<td>8-32</td>
</tr>
<tr>
<td>FLJAT_</td>
<td>Justified Acoustic Tackable</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLJMP_</td>
<td>Justified Micro Perforated</td>
<td>48</td>
<td>8-32</td>
</tr>
<tr>
<td>FLJMB</td>
<td>Justified Metal Backer</td>
<td>8-32</td>
<td>n/a</td>
</tr>
<tr>
<td>FLJMW_</td>
<td>Justified Markerboard Frameless</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>FLJMMF</td>
<td>Justified Markerboard Framed</td>
<td>48</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Aluminum fascia FLFK height range is 96”-120”, monolithic elevation only
Landscape power and communication can be specified at two levels: 15" height or 33" worksurface height.

- Wall modules that require power or communication modules are specified by ordering Fascias with cut out locations
- All cut outs are located right of center-line on the front of the Fascia, this allows for power and communication modules to be specified on both sides of the same wall module
- A Light Switch (ELS) can be installed on Solid or Fabric Wrapped Fascias. For more information on the Light Switch, refer to the guidelines, Lighting, Electrics and Communications section
- Power and communication modules cannot be specified on Acoustic Tackable, Micro Perforated, Markerboard or Glass Fascias

planning with electrics and communication

15” Height – Vertical Cut Out

At 15” height, cut outs are oriented vertically for hardwire or power data communications electrics

15” Above finished floor to center-line of cut out

33” Height – Horizontal Cut Out

At worksurface height, cut outs are oriented horizontally for hardwire electrics only

33” above finished floor to center-line of cut out

• Power or communication cannot be mounted on the base fascia position with Altos Landscape
Altos Landscape is available with various fascia elevations on either side of the wall.

Altos cannot be planned with Landscape fascias on one side and Portrait fascias on the other.
Landscape fascia widths can be planned strategically to optimize reconfigurability and aesthetic.

Landscape fascias can be planned with consistent fascia widths for future reconfiguration, or with varying fascia widths to maximize horizontal aesthetic.

Consistent Fascia widths
- Planning with the same fascia widths in a kit of parts throughout a floor plate accommodate reconfiguration better than varying fascia widths
- Limiting the number of fascia width variations simplifies reconfiguration and planning

Planning with 1/8” incremental widths
- Landscape fascias can be planned in 1/8” increment widths, extending a fascia up to 120” to the next wall transition
- Planning in this way maximizes Landscape’s horizontal aesthetic by eliminating unnecessary verticals, and can result in cost savings

For Landscape wall runs that exceed the maximum width of a fascia, it is recommended to split the wall into two equal fascias to allow for future reconfigurability.

Transition to Drywall or Building Perimeter
planning with acoustic tackable & fabric wrapped fascias – landscape

Acoustic and Fabric Wrapped Fascias can be used in a variety of applications including training rooms, meeting rooms and private offices.

Acoustic fascias are not available for monolithic MW1 and WM3, use Fabric Wrapped fascias for these applications.

training room

meeting room

private office

Ceiling and Base Fascias are available Fabric Wrapped and Solid

Fabric Wrapped fascia

Acoustic Tackable Fabric fascia

Fabric Wrapped Fascias should be used with Acoustic Fascias when power/communication cut outs are needed

Working Wall Monolithic
A Landscape clerestory module consists of a Landscape glass fascia above the 84” datum with Landscape fascias below.

- Altos Landscape clerestory is available in the W3 location above the 84” datum
- Available with 4” ceiling fascia in Aluminum, Solid and Fabric Wrapped finishes
- The maximum width for a glass fascia is 96”
- Available with Landscape shelving and light offering: Wall Mounted Light, Aluminum, Whiteboard Tray, Glass and Solid shelves
- Typical Landscape Fascia elevations apply

Restrictions:
- Cannot be used above an Altos Desk
- No ceiling feed path through glass fascia. Ceiling feed must be routed to the side of the fascia or to the floor.
- One Clerestory cannot span over both a Landscape fascia module and an Altos/Optos door together.
The following should be considered when planning with Landscape Clerestory.

When planning Landscape Clerestory in proximity to a door, the vertical trim must continue through the Clerestory for stability. The maximum adjacent wall span cannot exceed 96".

**hinged/pivot doors**

- **Full height Hinged/Pivot Door**
  - Maximum Glass fascia span of 96"
  - Possible - Full Height Door

- **Hinged/Pivot Door under Clerestory**
  - Maximum Glass fascia span of 96"
  - Possible - Segmented Height Door

- **Landscape Desk under Clerestory**
  - A Landscape glass fascia cannot span over an Altos wall module and a Door.

- **Landscape Desk under Clerestory**
  - Glass fascias cannot be planned above a Landscape Desk
barn doors

**Full height Barn Door**
- Maximum fascia span of 72" beside Barn Doors
- Possible - Full height door

**Barn Door under Clerestory**
- Maximum fascia span of 72" beside Barn Doors
- Possible - Segmented height door

**Barn Door under spanning Clerestory**
- A Landscape glass fascia cannot span over an Altos wall module and a Door
The Filler Panel (FPF) is used when an Altos wall surface needs to be cut away to fit the wall around the building structure, usually at the perimeter of the building.

The Filler Panel can be used next to both Altos Portrait or Landscape fascias. Directional finishes for the Filler Panel are vertical, therefore when planning beside Altos Landscape, a non-directional finish is recommended.

<table>
<thead>
<tr>
<th>Height</th>
<th>Ceiling Height Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>102” (8’-6”)</td>
<td>86” to 102” (7’-2” to 8’-6”)</td>
</tr>
<tr>
<td>108” (9’-0”)</td>
<td>103” to 108” (8’-7” to 9’-0”)</td>
</tr>
<tr>
<td>114” (9’-6”)</td>
<td>109” to 114” (9’-1” to 9’-6”)</td>
</tr>
<tr>
<td>120” (10’-0”)</td>
<td>115” to 120” (9’-7” to 10’-0”)</td>
</tr>
</tbody>
</table>
The Landscape Aluminum Fascia Kit can be Clear Anodized or Painted in any of the eight Architectural Paints.

**Landscape Aluminum Fascia Kit (FLFK)**
- A routing path to the floor or ceiling around Functional Rails or Glass fascias for up to four conduit feeds (3/4” diameter)
- Option for a Wall-Mounted Switch cut out at 42” from the floor
- Option for a Wall-Mounted Electrical Box cut out at 15” from the floor
landscape –
door packages
landscape – door packages

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PLANNING WITH SINGLE BARN DOORS – LANDSCAPE ........ 244
For typical openings, Altos Landscape offers a variety of doors that meet a range of privacy and functional needs – the three basic types are: Hinged, Pivot and Barn.

- Solid doors are 1-3/4" thick
- Glass doors are 10mm thick (3/8" nominal thickness)
- Swing doors and frames specified separately
- Barn door jams and rails specified separately
- Low profile door styles bring the aesthetics of Optos doors into the Altos product line
- 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.
- Check local regulatory codes for minimum clear height allowed for door openings

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
Hinged doors create an opening up to 180°.
A drop seal is an option to minimize sound leakage at the bottom of the solid doors (up to 0.5" gap under door).

**Hinged Door (FDH/FPDH)**
Glass insert is an option on all solid hinged doors

- 84" high (with Solid Transom)
- 84" high (with Glass Insert and Glass Transom)

- 84" segmented requires a transom measuring between 6" and 30" for ceiling heights between 86" and 120" in 1" increments
- Available with Clear or Frost glass insert options for privacy aesthetic variation
- Transom can be Solid or Glass

**Hinged Glass Door (FDJ/FPDJ)**
An optional 10" high stainless steel kickplate may also be specified

- Full-Height
- 84" high (with Solid Transom)
- 84" high (with glass insert and Glass Transom)

- Door will be ceiling height minus ceiling fascia height
- Transom can be Solid or Glass
- Glass is Clear or Frost and has a 3/8" nominal thickness

**Hinged Double Door (FDD/FPDD)**

- Full-Height (Solid)
- 84" high (with glass insert and Solid Transom)
- 84" high (with glass insert and Glass Transom)

- 84" segmented requires a transom measuring between 6" and 32" for ceiling heights between 86" and 120" in 1" increments
- Available with Clear or Frost glass insert options for privacy aesthetic variation
- Transom can be Solid or Glass

**Hinged Glass Double Door (FDE/FPDE)**
An optional 10" high stainless steel kickplate may also be specified

- 84" high (glass with glass transom)

- 84" Segmented requires a transom measuring between 6" and 32" ceiling heights between 86" and 120" in 1" increments
pivot door basics – landscape

The Solid Pivot Door uses pivot hardware to attain up to 90° swing. The Glass Pivot Door is a full height door that pivots up to 180° with an optional adjustable door closer/door stay. It has enhanced acoustic performance offered by its continuous Frame Seal.

Framed Glass Pivot Door (FDPZ/FPDPZ)

• Available with 4” or 6” Ceiling Fascia or for Segmented Height with transom
• Glass is available 10mm thick, Tempered or Tempered-Laminated
• Door Frame finishes include Anodized and painted finishes
• Available with Standard height and 10” high Integrated ADA Aluminum Kickplate
• Glass transom is available with Clear or Frost glass insert options for privacy and aesthetic variation
# Handles for Swing Doors – Landscape

<table>
<thead>
<tr>
<th>Lever Style</th>
<th>S Series</th>
<th>ALX Series</th>
<th>L Series</th>
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<tbody>
<tr>
<td>Schlage’s name</td>
<td>Jupiter</td>
<td>Athens</td>
<td>07</td>
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<tr>
<td>Teknion’s name</td>
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<td>Type J</td>
<td>Type J</td>
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<td></td>
<td>Saturn</td>
<td>Rhodes</td>
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<td>Type S</td>
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<table>
<thead>
<tr>
<th>Lock Type</th>
<th>Cylindrical Lock</th>
<th>Cylindrical Lock</th>
<th>Mortise Lock</th>
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<tbody>
<tr>
<td>Available on the following doors</td>
<td>Single Pivot Glass Door (FDPZ)</td>
<td>Single Hinged Glass Door (FPDI)</td>
<td>Single Hinged Solid Door (FPDH)</td>
</tr>
<tr>
<td></td>
<td>Single Hinged Glass Door (FDJ)</td>
<td>Double Hinged Glass Door (FPDE)</td>
<td>Single Hinged Solid Door (FPDHD)</td>
</tr>
<tr>
<td></td>
<td>Double Hinged Solid Door (FDD)</td>
<td>Single Hinged Solid Door (FPDD)</td>
<td>Single Pivot Glass Door (FPDPZ)</td>
</tr>
<tr>
<td></td>
<td>Single Hinged Solid Door (FDH)</td>
<td>Single Hinged Solid Door (FPDH)</td>
<td>Single Pivot Glass Door (FPDPZ)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Keying</th>
<th>Conventional, key in lock (KIL) 6 pin</th>
<th>Conventional, key in lock (KIL) 6 pin</th>
<th>Conventional Mortise 6 pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available on the following doors</td>
<td>Full Size Interchangeable Core (FSIC) cylinder 6 pin</td>
<td>Full Size Interchangeable Core (FSIC) cylinder 6 pin</td>
<td>Full Size Interchangeable Core (FSIC) cylinder 6 pin</td>
</tr>
<tr>
<td></td>
<td>Available on all above mentioned doors</td>
<td>Available on all above mentioned doors</td>
<td>Available on all above mentioned doors</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lock Actuation</th>
<th>Twist turn lock Std on S series</th>
<th>No Lock - Passage set</th>
<th>Push button lock - ADA Std on ALX series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available on the following doors</td>
<td>Available on all above mentioned doors</td>
<td>Available on all above mentioned doors</td>
<td>FDPH</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FPDHZ</td>
</tr>
</tbody>
</table>

- Inside lever always free for immediate egress
- Doors specified with “Conventional Cylinder” are keyed randomly (two keys provided per door)
- Doors specified with “Interchangeable Core Cylinder” are keyed randomly (two keys provided per door) but cylinders can be removed by a universal control key (Order Key Separately)
- After installations, customers may choose to relocate or replace interchangeable core cylinders to suit their security needs
- Keying is std Schlage Everest S123 Keyway. The Everest “S123” key is backwards compatible to the Everest “C123” keyway lock cylinders. However, the “S123” key is not backwards compatible with the “C” keyway lock cylinders.
- The Keyway is open, meaning they are available to end users from locksmiths for key duplication without any official procedures
- When keys are lost or not available, interchangeable cores can be removed and replaced using control keys. Control keys are available only for handles that have interchangeable core cylinders. Control keys need to be ordered separately.
single barn door basics – landscape

The Single Barn Door – Landscape creates a sliding door by mounting to the outside face of wall modules.

- Please check local code requirements, as in some jurisdictions, the use of the Barn Door is limited to room occupancies of 10 people maximum
- Adds 1” to wall module depth
- Locks cannot be retrofitted on Barn Doors
- Solid and Solid with Insert cannot be used with 4” base and ceiling fascias and therefore cannot be used with Landscape fascias
- 48” wide Glass Door is not available in ceiling heights greater than 108”
- 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.

Glass Barn Door (FDC)

Segmented Height Glass Door

84”-120” in 1” increments

Adjacent module width is specified as part of the barn door frame up to 72” wide.

- May be mounted on inside or outside of wall module unless specified with lock, then it must on the outside
- Keyed lock is on the outside and thumb turn on the inside

Slide direction determines left or right handedness (Right-Handed shown)

Glass Door Full-Height

86”-120”

Glass Barn Door Low Profile (FDCZ)

- Available in widths of 40” and 42” only
- 4” ceiling fascia height
- Door slides can be left or right and can be interior or exterior
- Available with or without standard lock and interchangeable core cylinder
- Glass is available in Tempered and Tempered Laminate
- Can be specified with or without soft close mechanism. Trolley and Base Cover finish include Anodized and Painted
- Should not be used with adjacent Fabric Fascias
Door module (frame and door) widths and door clearances for all doors including frame are shown below.

Single Hinged, Glass and Pivot Doors and Door Frame Package

![Diagram showing door module and clearances for 40" and 42" widths.](image)

- **40" wide:** 34.75" door clearance, 35" clearance when installed at corner
- **42" wide:** 36.75" door clearance, 35" clearance when installed at corner

Double Hinged Door and Double Door Transom & Frame Package, Hinged Glass Double Door and Glass Double Door Transom & Frame Package Segmented

![Diagram showing door module and clearances for 36-1/2", 72", 80", and 84" widths.](image)

- **72" wide:** 67" door clearance, 33-3/4" is door size
- **80" wide:** 75" door clearance, 37-3/4" is door size
- **84" wide:** 79" door clearance, 39-3/4" is door size

Framed Glass Pivot Door

![Diagram showing door module and clearances for 40" and 42" widths.](image)

- **40" wide:** 36-1/2" door clearance, 33" clearance when installed at corner
- **42" wide:** 38-1/2" door clearance, 35" clearance when installed at corner
door widths – landscape (continued)

Single Glass Barn Door and Solid Barn Door Transom with Rail and Jamb Package

Single Glass Barn Door Low Profile with Rail and Jamb Package
## Handles for Barn Doors – Landscape

<table>
<thead>
<tr>
<th>Handle Style</th>
<th>Non-Locking</th>
<th>Locking</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image" alt="1&quot; diameter" /></td>
<td><img src="image" alt="1&quot; diameter" /></td>
</tr>
<tr>
<td></td>
<td>3/4&quot; diameter</td>
<td>3/4&quot; diameter</td>
</tr>
</tbody>
</table>

### Available on the Following Doors
- Glass Barn Door Low Profile (FDCZ)
- Double Glass Barn Door Low Profile (FDLZ)
- Full Height Glass Barn Door (FD)
- Full Height Double Glass Barn Doors (FDL)
- Barn Door with Glass Insert (FDI)
- Solid Barn Door (FDS)

### Keying
- Non-Locking: Not available
- Locking: Full Size Interchangeable Core (FSIC) cylinder 6 pin

- Handle and lock cover finish: Stainless Steel ANSI / BHMA 630, US32D or Steel Painted
- 1 1/2" clear space between glass and handle
- ADA handle heights
- When keys are lost or not available, interchangeable cores can be removed and replaced using control keys. Control keys are available only for handles that have interchangeable core cylinders. Control keys need to be order separately
The hardware locations for glass barn door is constant.

**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>86 - 120</td>
<td>39-3/4</td>
</tr>
</tbody>
</table>

Glass Barn Door Low Profile (FDCZ)

Nominal AFF is constant for hardware types 3 and 4
The height of the transom above 84" high doors varies in relation to the ceiling height.

- To determine the correct height of Fascia for the transom above a 84" high door, use Chart 1: Transom Height
- To determine the correct width of Fascias for the Transom and Ceiling Fascia above the Hinged Double Doors (FDE and FDD) and Barn Doors (FDC) use Chart 2: Double Door/Barn Door Transom Fascia and Ceiling Fascia width chart
- All structural members, Landscape Vertical Post Packages (FLKV), Landscape Horizontal Rail Packages (FLKH), Ceiling Channel (FKN), etc., for doors are specified separately in the appropriate sections. See Frame Kits For more information

**Chart 1:**
Transom Height Chart for 4" Ceiling Fascia

<table>
<thead>
<tr>
<th>Ceiling Height (&quot;)</th>
<th>Transom Height Y&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td>8</td>
</tr>
<tr>
<td>97</td>
<td>9</td>
</tr>
<tr>
<td>98</td>
<td>10</td>
</tr>
<tr>
<td>99</td>
<td>11</td>
</tr>
<tr>
<td>100</td>
<td>12</td>
</tr>
<tr>
<td>101</td>
<td>13</td>
</tr>
<tr>
<td>102</td>
<td>14</td>
</tr>
<tr>
<td>103</td>
<td>15</td>
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<tr>
<td>104</td>
<td>16</td>
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<td>111</td>
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<td>112</td>
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<td>116</td>
<td>28</td>
</tr>
<tr>
<td>117</td>
<td>29</td>
</tr>
<tr>
<td>118</td>
<td>30</td>
</tr>
<tr>
<td>119</td>
<td>31</td>
</tr>
<tr>
<td>120</td>
<td>32</td>
</tr>
</tbody>
</table>

**Chart 2:**
Double Door/Barn Door Transom Fascia and Ceiling Fascia Width Chart

<table>
<thead>
<tr>
<th>Double Door Width (&quot;)</th>
<th>Fascia Width X&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td>36</td>
</tr>
<tr>
<td>80</td>
<td>40</td>
</tr>
<tr>
<td>84</td>
<td>42</td>
</tr>
</tbody>
</table>
Several frame packages are available for door packages. See price pages for details of these products.

- It is not recommended to install a door adjacent to a Wall End (FKE), Wall Start (FKW/FPLW) or Filler Panel (FPF)
- If Fascias are required to complete assembly they must be specified separately

<table>
<thead>
<tr>
<th>Full Height Hinged Double Door (FDD/FPDD)</th>
<th>Segmented Double Door (FDD/FPDD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Required Double Door Frame – Full Height (FKT/FPFD)</td>
<td>• Required Double Door Transom &amp; Frame – Segmented Height (FKTS/FPFD)</td>
</tr>
<tr>
<td>• Used with 4 Ceiling Fascias (FLC) – 2 per side</td>
<td>• Used with 4 Ceiling Fascias (FLC) - 2 per side</td>
</tr>
<tr>
<td>• 4 Solid Fascias – Segmented (FLW3) or 2 Glass Fascia – Double (FLGD) or 2 Glass Fascia – Single Center (FLGC)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Full Height Hinged Door (FDH/FPDH) or Glass Door (FDJ/FPDJ)</th>
<th>Segmented Hinged Door (FDH/FPDH) or Glass Door (FDJ/FPDJ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Required Door Frame Kit (FKD/FPFHS/FPFJS)</td>
<td>• Required Door Frame Kit (FKD)</td>
</tr>
<tr>
<td>• Used with 2 Ceiling Fascias (FLC) – 1 per side</td>
<td>• Used with 2 Ceiling Fascias (FLC) - 1 per side</td>
</tr>
<tr>
<td>• 2 Solid Fascias – Segmented (FLW3) or 1 Glass Fascia – Double (FLGD) or 1 Glass Fascia – Single Center (FLGC)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Full Height Glass Barn Door (FDC)</th>
<th>Segmented Glass Barn Door (FDC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Required for the Portrait Barn Door Rail Kit for Full Height Door (FLBFR) and Portrait Barn Door Jamb Kit for Full Height Glass Door (FLBGFJ)</td>
<td>• Required for use with Portrait Barn Door Rail Kit for Segmented Height Door (FLBRS) and Portrait Barn Door Jamb Kit for Segmented Height Glass Door (FLBGSJ)</td>
</tr>
<tr>
<td>• Used with 2 Ceiling Fascias (FLC) – 1 per side</td>
<td>• Used with 2 Ceiling Fascias (FLC) - 1 per side</td>
</tr>
<tr>
<td>• 2 Solid Fascias – Segmented (FLW3) or 1 Glass Fascia – Double (FLGD) or 1 Glass Fascia – Single Center (FLGC)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Full Height Framed Glass Pivot Door (FPDPZ)</th>
<th>Segmented Framed Glass Pivot Door (FPDPZ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Required for use with Glass Pivot Door Solid Frame Kit (FKPSZ/FPFPS)</td>
<td>• Required for use with Glass Pivot Door Solid Frame Kit (FKPSZ/FPFPS)</td>
</tr>
<tr>
<td>• Used with 2 Ceiling Fascias (FLC) – 1 per side</td>
<td>• Used with 2 Ceiling Fascias (FLC) - 1 per side</td>
</tr>
<tr>
<td>• 2 Solid Fascias – Segmented (FLW3) or 1 Glass Fascia – Double (FLGD) or 1 Glass Fascia – Single Center (FLGC)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Full Height Glass Barn Door (FDCZ)</th>
<th>Segmented Hinged Glass Double Door (FDE/FPDE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Required for use with Landscape Barn Door Rail Kit for Full Height Door – Low Profile (FLUGFR) and Landscape Barn Door Jamb Kit for Full Height Glass Door – Low Profile (FLUGFJ)</td>
<td>• Required for use with Hinged Glass Double Door Transom &amp; Frame Package – Segmented Height (FKTES/FPFES)</td>
</tr>
<tr>
<td>• Used with 2 Ceiling Fascias (FLC) – 1 per side</td>
<td>• Used with 2 Ceiling Fascias (FLC) - 1 per side</td>
</tr>
<tr>
<td>• 2 Solid Fascias – Segmented (FLW3) or 1 Glass Fascia – Double (FLGD) or 1 Glass Fascia – Single Center (FLGC)</td>
<td></td>
</tr>
</tbody>
</table>
The following rules should be considered when planning with Altos doors.

- The door swing is identified as right or left according to the location of the hinges
- Door swing orientation must be specified for the Hinged, Hinged Glass, Pivot and Hinged Double door

**Pivot and Hinged Door Orientation**

- **90˚ Swing**
  - Right Hand
  - Left Hand

- **180˚ Swing**
  - Right Hand
  - Left Hand

The Pivot and Hinged Glass Doors permit a 90˚ swing

- Right Hand
- Left Hand

- **180˚ Swing**

  - Right Hand
  - Left Hand

  - Door is hinged on frame side only

**Wall Starts and Filler Panels**

Doors cannot be located adjacent to Wall Starts (FKW), Wall starts (FKE), Filler Panels (FPF) or On-Off Three-Way Modules (FKM3) (Wall Start and Filler Panels shown).

Doors can be attached to Adjustable Wall Start (FLKW).

All Doors excluding the 84” high Barn Door may be planned adjacent to any wall type. Corresponding frame kit produces must be specified.
The following rules should be considered when planning with Single Barn doors.

When the Barn Door is located next to a corner connection with an adjoining wall module, the Barn Door **must be** mounted on the outside of a wall run.

Two Barn Doors **cannot** be mounted to meet at a corner.

Left Hand

Right Hand

Door slide orientation must be specified for the Single Barn Door (FDC/FDS, FDI). The slide orientation is identified as right- or left-handed according to the direction of travel.

When the Barn Door is located next to a corner connection **without** an adjoining wall module, a mechanical fastener securing the corner connection to the floor is required and the Barn Door must be mounted on the outside of the wall run.

Mechanical fastener required at corner connection
landscape – frame kits & components
Frame kits are used together to create the structural frame of the Altos wall. Frame kits are specified after the Landscape fascia elevation has been determined.

- Altos Portrait corners and connections are used with Altos Landscape fascias to create In-line, two-way, three-way and four-way transitions.
- Any grain or fabric direction for the corner component will have a vertical directionality like Altos Portrait. Solid or Aluminum corner components can be used if matching the directionality of the adjacent Landscape fascia is desired.
The Landscape Vertical Post Package extends from finished floor to finished ceiling and is the vertical support of the Altos frame.

- Landscape Vertical Post Packages (FLKV) are universal when used with Altos Landscape and also fulfill the vertical post requirements for door openings
- Landscape to Portrait Vertical Post Packages (FLKVP) can be used when transitioning between Landscape and Portrait fascias
- The levelers allow for adjustment of +1-1/2 to -0.5” independently at the top and +1-1/2 to -0.5” independently at the bottom

Landscape Vertical Post Package (FLKV)
The Vertical Post Package is made up of the vertical post, levelers and connectors. The connectors can be specified to accommodate all Landscape frame elevations.
The following should be considered when planning with Landscape frame kits.

- Altos uses different vertical packages to transition between different Landscape and Portrait wall types
- When planning with only Portrait fascias, see the Portrait Vertical Post Basics page

**Landscape Vertical Post Package (FLKV)**
- Landscape Verticals are used to connect Landscape Fascias to other Landscape Fascias
- Landscape Verticals have large cut outs for Electrical passage at 12" and 30"
- Use the Landscape Vertical Post Package to connect:
  - Landscape Fascias and Horizontal Rail Package (FLKH)
  - Landscape Aluminum Fascia Kit (FLFK)
  - Altos Desk Frame (FLDF)
  - Altos Door Frames
  - Altos Corners and Connections
  - Wall Starts and Wall Ends

**Landscape to Portrait Vertical Post Package (FLKVP)**
- Landscape to Portrait Verticals are used to connect Landscape Fascias to Portrait Fascias
- Landscape to Portrait Verticals have large cut outs for Electrical passage at 12" and 30"
- Tek Pier is not available connected to a Landscape elevation

**Landscape Aluminum Fascia Kit (FLFK)**
- In certain cases where conduit routing is required to the side, the Landscape Aluminum Fascia Kit (FLFK) can be used
- This method can be used to bypass a Functional Rail, which isn’t available with electrical passage
The following should be considered when planning with Landscape Vertical Posts.

There are three steps in specifying Landscape Vertical Post Packages: determining the number and placement of Vertical Post Packages required, selecting appropriate Vertical Post Package type and specifying Landscape Vertical Post Package height.

- Vertical Post packages are required at each end of door opening
- Vertical posts are not shared at corners or other intersections
- The starting point for selecting the proper Landscape Vertical Post Package (FLKV) is at the inner and outer elevations of each wall module that will share a Vertical Post Package
- The Landscape elevations that create these elevations determine which type of Vertical Post Package to select
- Always select the post for the highest connector requirements
- When transitioning between Landscape and Portrait, use the Landscape to Portrait Vertical Post Package (FLKVP)
selecting a landscape vertical post

The Landscape Vertical Post Package (FLKV) can be used between Landscape fascias, beside Doors, Corners and Connections, Wall Starts, Wall Ends, the Landscape Desk Frame (FLDF) and the Landscape Aluminum Fascia Kit (FLFK). Use the Landscape to Portrait Vertical Post Package (FLKVP) to transition to other Altos Portrait fascias and frames such as the Filler Panel (FFP).

To select the appropriate Landscape Vertical Post Package (FLKV), the fascia elevations surrounding it must be considered.

**step 1**
Identify up to four fascia elevations surrounding the Vertical Post Package

<table>
<thead>
<tr>
<th>Landscape Fascias</th>
<th>Landscape Transition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Working Wall (W)</strong></td>
<td><strong>Door</strong></td>
</tr>
<tr>
<td><strong>Cabinet Working Wall (C)</strong></td>
<td><strong>Corner</strong></td>
</tr>
<tr>
<td><strong>Vertical Post Package</strong></td>
<td><strong>Wall Start</strong></td>
</tr>
<tr>
<td><strong>Light Working Wall (L)</strong></td>
<td><strong>Wall End</strong></td>
</tr>
<tr>
<td><strong>Standard Working Wall (W)</strong></td>
<td><strong>Desk Frame</strong></td>
</tr>
<tr>
<td><strong>Light Working Wall (L)</strong></td>
<td><strong>Aluminum Fascia Kit</strong></td>
</tr>
</tbody>
</table>

**step 2**
To determine the elevation type, consult the following Landscape Vertical Post Selection chart:

<table>
<thead>
<tr>
<th>Fascia Elevation Combinations</th>
</tr>
</thead>
<tbody>
<tr>
<td>W W W W L L L L W W W W L L</td>
</tr>
<tr>
<td>W W W W C C C C L L L L W W W W</td>
</tr>
<tr>
<td>W W W C C C C C L L L L W W W L</td>
</tr>
<tr>
<td>W W W C C C C C C L L L L C C C C</td>
</tr>
<tr>
<td>FLKV W FLKV C FLKV C FLKV C CR* CR* CR* FLKV L FLKV L FLKV L CR* CR* CR*</td>
</tr>
</tbody>
</table>

*For planning applications with a Light Working Wall and a Cabinet Working Wall connected to the Vertical Post Package, a unique Customer Request (CR) is required. See your Teknion Dealer Support for details.

**Some combinations of fascia elevations require extra Horizontal Connector Bolts (FBN) for connection to the Landscape Horizontal Rail Package. These bolts are available from stripped down verticals on site (beside doors, corners, etc). See your Teknion dealer for details.

**step 3**
Consider both sides of the wall when selecting Functional Rail locations (21”, 36”, 60” and 84” horizontal datums)

Vertical post packages are available in heights that increase in 1” increments between 86”-120”. These heights correspond to the dimension between finished floor to the underside of the finished ceiling.

When accessing pricing for Vertical Post Packages, you will be presented with the following height ranges:

<table>
<thead>
<tr>
<th>Height Code</th>
<th>Height Range</th>
<th>Height Code</th>
<th>Height Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>86”-102”</td>
<td>108</td>
<td>103”-108”</td>
</tr>
<tr>
<td>114</td>
<td>109”-114”</td>
<td>120</td>
<td>115”-120”</td>
</tr>
</tbody>
</table>

These height ranges are for pricing only. Be sure to indicate the exact height required for the Vertical Post Package in the product code.
planning with the vertical post – landscape (continued)

selecting a landscape to portrait vertical post

Use the Landscape to Portrait Vertical Post Package (FLKVP) to transition to other Altos Portrait fascias and frames such as the Filler Panel (FPF). A vertical post is not necessary to connect to Tek Pier.

To select the appropriate Landscape to Portrait Vertical Post Package (FLKVP), consider the fascia elevations surrounding it:

**step 1**
Identify the two Landscape fascia elevations on one side of the Landscape to Portrait Vertical Post Package.

**Landscape Side** | **Portrait Side**
---|---
Standard Working Wall (W) | Portrait Fascia

To determine the Landscape Side elevation type, consult the following Landscape to Portrait Vertical Post Selection chart.

**step 2**

<table>
<thead>
<tr>
<th>Landscape Elevation Combinations</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
</tr>
<tr>
<td>FLKV</td>
</tr>
</tbody>
</table>

Vertical Required**

*For planning applications with a Light Working Wall and a Cabinet Working Wall connected to the Vertical Post Package, a unique Customer Request (CR) is required. See your Teknion Dealer Support for details.

**Some combinations of fascia elevations require extra Horizontal Connector Bolts (FBN) for connection to the Landscape Horizontal Rail Package. These bolts are available from stripped down verticals on site (beside doors, corners, etc). See your Teknion dealer for details.

**step 3**
Select the appropriate Portrait elevation type (Full/Monolithic, Segmented, or Working Wall)

**step 4**
Consider both sides of the Landscape wall when selecting Functional Rail locations (21", 36", 60" and 84" horizontal datums)
To select the appropriate Landscape Vertical Post Package (FLKV) or Landscape to Portrait Vertical Post Package (FLKVP), consult the following chart:

<table>
<thead>
<tr>
<th>Single Wall Modules: Inner and Outer Elevations</th>
<th>W+ W FLKV W</th>
<th>W+L FLKV L</th>
<th>W+C FLKV C</th>
<th>C+C FLKV C</th>
<th>L+L FLKV L</th>
<th>L+C CR</th>
<th>Landscape Aluminum Fascia Kit</th>
<th>Altos Desk W</th>
<th>Altos Desk L</th>
</tr>
</thead>
<tbody>
<tr>
<td>W+ W FLKV W</td>
<td>FLKV W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W+L FLKV L</td>
<td>FLKV L</td>
<td>FLKV L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W+C FLKV C</td>
<td>FLKV C</td>
<td>CR</td>
<td>FLKV C</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>C+C FLKV C</td>
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<td>CR</td>
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<td>FLKV C</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>L+L FLKV L</td>
<td>FLKV L</td>
<td>FLKV L</td>
<td>CR</td>
<td>CR</td>
<td>FLKV L</td>
<td></td>
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</tr>
<tr>
<td>L+C CR</td>
<td>CR</td>
<td>CR</td>
<td>CR</td>
<td>CR</td>
<td>CR</td>
<td>CR</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Land. Alum Fascia Kit</td>
<td>FLKV W</td>
<td>FLKV L</td>
<td>FLKV C</td>
<td>FLKV C</td>
<td>FLKV L</td>
<td>CR</td>
<td>FLKV W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Altos Desk W</td>
<td>FLKV W</td>
<td>FLKV L</td>
<td>FLKV C</td>
<td>FLKV C</td>
<td>FLKV L</td>
<td>CR</td>
<td>FLKV W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Doors</td>
<td>FLKV W</td>
<td>FLKV L</td>
<td>FLKV C</td>
<td>FLKV C</td>
<td>FLKV L</td>
<td>CR</td>
<td>FLKV W</td>
<td>FLKV W</td>
<td>FLKV L</td>
</tr>
<tr>
<td>*Corners</td>
<td>FLKV W</td>
<td>FLKV L</td>
<td>FLKV C</td>
<td>FLKV C</td>
<td>FLKV L</td>
<td>CR</td>
<td>FLKV W</td>
<td>FLKV W</td>
<td>FLKV L</td>
</tr>
<tr>
<td>*Wall Starts / Wall Ends</td>
<td>FLKV W</td>
<td>FLKV L</td>
<td>FLKV C</td>
<td>FLKV C</td>
<td>FLKV L</td>
<td>CR</td>
<td>FLKV W</td>
<td>FLKV W</td>
<td>FLKV L</td>
</tr>
<tr>
<td>Portrait Fascia</td>
<td>FLKVP W</td>
<td>FLKVP L</td>
<td>FLKVP C</td>
<td>FLKVP C</td>
<td>FLKVP L</td>
<td>CR</td>
<td>FLKVP W</td>
<td>FLKVP W</td>
<td>FLKVP L</td>
</tr>
</tbody>
</table>

Tek Pier is not available next to Landscape

*Verticals beside Altos Doors, Corners, Wall Starts or Wall Ends will be stripped of connectors on one side on site.
A Ceiling Channel is required over the entire wall run, including door openings and corner connections in all applications of the Altos wall system.

To determine the number of Ceiling Channels (FKN) required for the length of a wall run, take the total linear footage multiplied by 0.14.
A Ceiling Channel is required over the entire wall run, including door openings and corner connections in all applications of Altos wall system.

**Ceiling Clip (FKP)**
- Is a non-permanent method of connecting the ceiling channel to the suspended ceiling
- **Cannot** be connected to all types of ceilings – site verification required
- Non-marking and need to be ordered separately from ceiling channel
- Accommodate the changing wall locations without defacing the T-Bar

**Ceiling Channel (FKN)**
- Attaches to the ceiling and supports the Vertical Post Packages
- Is an inverted steel U-channel start and can be cut to size on site
- Holes are punched into the Ceiling Channel to facilitate power and communications feed from the ceiling into the wall
- Is available in 120” lengths only
- Can be attached to ceiling at any angle

**Base Channel (FKC)**
- Can be paired with Landscape Horizontal framework
- Gap tape is provided along the underside of the channel to add stability and an acoustic barrier without mechanical attachments to the floors
- Can also be mechanically fastened to the floor if a more secure or permanent attachment is required (hardware not included)
- Available in 120” widths only

**Horizontal Grommet (FBG)**
- The Horizontal Grommet provides a cover to the Horizontal Rail cut outs
- Optional for use with Solid, Fabric Wrapped, Acoustic Tackable, Metal Micro Perforated and Markerboard fascias. **Cannot** be used with Glass Fascias

**Wall Gasket (FKJ)**
- Is a light and sound seal between the bottom of the wall system and the finished floor and the top of the wall system and the ceiling
- Minor height variations in floor and ceiling surfaces may be concealed by the wall gasket – available in 10′-0” lengths only

**Vertical Reveal Cover (FKJC)**
- The Vertical Reveal Cover provides a trim for vertical post when Platinum or Very White gaskets are used

**Landscape Horizontal Rail Package (FLKH)**
- Consist of horizontal rails and one Landscape Base Channel
- Available in 12” - 120” in 1/8” increments
- Pass-through of electrics and communications is possible through the openings in the horizontal rails
- One Package is shared between the inner and outer elevation of a wall module
- Are universal and are used for all Landscape fascias
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.png" alt="Diagram 1" /></td>
<td>FKP1 + FKP3</td>
</tr>
<tr>
<td><img src="image2.png" alt="Diagram 2" /></td>
<td>FKP2 + FKP3</td>
</tr>
<tr>
<td><img src="image3.png" alt="Diagram 3" /></td>
<td>FKP1</td>
</tr>
<tr>
<td><img src="image4.png" alt="Diagram 4" /></td>
<td>FKP2</td>
</tr>
<tr>
<td><img src="image5.png" alt="Diagram 5" /></td>
<td>FKP5</td>
</tr>
</tbody>
</table>

- 9/16” and 15/16” Ceiling Clips (FKP1 and FKP2) are used for flat and recessed tiles with flat grid only
- For recessed tile application, Spacer Ceiling Clips (FKP3) is required for use with FKP1 or FPK2
- 9/16” Ceiling Clip (FKP5) is used for recessed tiles with various types of box grid
**Landscape Horizontal Rail Packages** include the appropriate number of horizontal rails and one Base Channel. Each Landscape Horizontal Rail Package corresponds to the fascia elevation it will support. The following chart demonstrates the components included.

Monolithic and Base/Ceiling Fascia elevations use the same Landscape Horizontal Rail Package.

<table>
<thead>
<tr>
<th><strong>Standard Working Wall</strong></th>
<th><strong>Light Working Wall</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Functional Rails are available at the 36” and 84” datums</td>
<td>• Functional Rails are available at the 36”, 60” and 84” datums</td>
</tr>
<tr>
<td>120”</td>
<td>120”</td>
</tr>
<tr>
<td>84”</td>
<td>84”</td>
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<tr>
<td>36”</td>
<td>60”</td>
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<tr>
<td>0”</td>
<td>0”</td>
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<tr>
<td>Horizontal Rail</td>
<td>Horizontal Rail</td>
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<td>Horizontal Rail</td>
<td>Horizontal Rail</td>
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<td>Horizontal Rail</td>
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<td>Horizontal Rail</td>
<td>Horizontal Rail</td>
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<tr>
<td>Horizontal Rail</td>
<td>Horizontal Rail</td>
</tr>
<tr>
<td>Base Channel</td>
<td>Base Channel</td>
</tr>
<tr>
<td>Monolithic or Base/Ceiling Fascia</td>
<td>Monolithic or Base/Ceiling Fascia</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Cabinet Working Wall</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Functional Rails are available at the 21”, 36”, and 84” datums</td>
</tr>
<tr>
<td>120”</td>
</tr>
<tr>
<td>84”</td>
</tr>
<tr>
<td>36”</td>
</tr>
<tr>
<td>21”</td>
</tr>
<tr>
<td>0”</td>
</tr>
<tr>
<td>Horizontal Rail</td>
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<tr>
<td>Horizontal Rail</td>
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<tr>
<td>Horizontal Rail</td>
</tr>
<tr>
<td>Horizontal Rail</td>
</tr>
<tr>
<td>Monolithic or Base/Ceiling Fascia</td>
</tr>
</tbody>
</table>
Double Doors require a Double Door Transom & Frame Package as shown:

Glass Barn Doors require Landscape Barn Door Rail and Jamb Kits for Full or Segmented heights.
planning with horizontal rails – landscape (continued)

The Landscape Horizontal Rail Package (FLKH) is shared with both sides of the wall, even when the fascia elevation is different. To select the appropriate Horizontal Rail Package, identify the fascia elevation on each side of the wall, and use the chart below.

Landscape Horizontal Rail Package Selection chart:

<table>
<thead>
<tr>
<th>Fascia Elevation Combinations</th>
<th>Horizontal Rail Package Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>W W</td>
<td>FLKH W</td>
</tr>
<tr>
<td>W C</td>
<td>FLKH C</td>
</tr>
<tr>
<td>W L</td>
<td>FLKH L</td>
</tr>
<tr>
<td>W W</td>
<td>FLKH W</td>
</tr>
<tr>
<td>W C</td>
<td>FLKH C</td>
</tr>
<tr>
<td>W L</td>
<td>FLKH L</td>
</tr>
</tbody>
</table>

Legend:
- Standard Working Wall (W)
- Light Working Wall (L)
- Cabinet Working Wall (C)

* When planning with a Light Working Wall and a Cabinet Working Wall back to back, additional components are required. See your Teknion Dealer Support for details.

Example: Light Working Wall and Standard Working Wall requires Horizontal Rail Package (FLKHL)
The Functional Rail provides a universal continuous mounting location for the Altos Landscape shelving and accessories program.

**Landscape Functional Rail Kit (FLKF)**
- Replaces the Altos horizontal rail where functionality is desired
- Available from 48-1/8” - 120” lengths in 1/8” increments.
- Built-in shelf leveling capability
- Single and Double sided applications
- Able to hold:
  - Landscape Wall-Mounted Cabinets (FLWC)
  - Landscape Shelves (FLSA/FLSG/FLSS/FLTW)
  - Landscape Wall-Mounted Light (ELWML)
The Landscape Desk Frame is the support system used to mount the Landscape Desks into the wall module.

Landscape Desk Frame (FLDF)
• Provides a mounting location for both Landscape fixed and height-adjustable desks
• Available as a Working Wall or Light Working Wall
• Heights available include 86” - 120” in 1” increments
• Frame widths available include 60” - 120” in 1/8” increments
• Accommodates desk widths 60” - 84” in 6” increments
• The desk width is always equal or less than the frame width
• Desk location can be specified centered, justified left or justified right
The Wall Gasket (FKJ) provides a light and sound seal between the bottom of the wall system and the finished floor and the top of the wall system and the ceiling.

Minor height variations in floor and ceiling surfaces may be concealed by the wall gasket.

determining wall gasket requirements

- Measure the entire wall run, excluding any doorway openings for bottom wall gasket only. Both elevations of a wall run require a Wall Gasket
- Any dimensional variations should be included in this calculation
- Wall Gaskets are required at both sides of a wall module at floor and ceiling junctions

The formula to determine the number of Wall Gaskets (FKJ) required for the length of a wall run is the total linear footage of this product multiplied by 0.40 equals total number of Wall gaskets required.
An optional Black Vertical Reveal Cover Kit (FKJC) is available when planning with Platinum or Very White wall gaskets.

The following outlines the features:

Vertical seams are Black and visible unless finished with a reveal insert.

The plastic reveal insert is black to match reveal lines.
Use Altos corners and connections with Altos Landscape fascias to create In-line, two-way, three-way and four-way transitions.

- If applicable, any grain or fabric direction for the corner component will have a vertical directionality like Altos Portrait. Solid or Aluminum corner components can be used if matching the directionality of the adjacent Landscape fascia is desired.
- Transitions between Altos corner codes to Landscape fascias do not require use of the Landscape / Portrait Vertical FLKVP. The Landscape Vertical Post Package FLKV can be used.
- Partial height connections are not possible.
- All connections are available for ceiling heights from 86” to 120” in 1” increments.
- The Corner Covers for 135° (FKCN132, FKCN133, FKCN180, FKCN90, FKCN120) can be found in the Fascias Section.

**modular connections**

Also Available (not shown):
Two-Way Articulating Corner (FKCA2) and Three-Way Articulating Corner (FKCA3)

Module Connections create three-way intersections behind the bisected wall.
Walls can be connected at right angles in two-way, three-way and four-way configurations.

- Brackets connect post packages to form a corner
- The quantity of brackets required may vary according to wall heights or wall material
- Can enclose electrics and communications traveling from wall-to-wall or from ceiling down to glass modules
- Covers for two-way and three-way corners are in the Fascias Section
The following should be taken into consideration when planning with 90° connections.

Wall thickness should be accommodated in the planning process.

For 90° two-way, three-way and four-way corner connections, add 3-15/16".

When planning center-line to center-line of two adjacent Vertical Post Packages, add 1/8" to width dimension of Fascia or door to accommodate the connection.

When planning with Landscape in 1/8" increments, and two walls are opposite one another with a wall run between them, the number of wall modules and connections on the opposite walls are not required to be the same.

The total nominal wall width will not be equal for opposite walls when they have a different number of modules. This is due to the fascia creep of the Altos Wall system.

Corner connections enclose electrics and communications lines traveling from wall to wall through corners or from the ceiling down to glass modules.
Walls can be connected at 135° in two-way and three-way configurations.

The Corner Covers for 135° (FKCN132, FKCN133, FKCN180, FKCN90, FKCN120) are in the Fascias Section.

**Three-Way 135° Frame Hardware Kit (FKCH133)**
Provides the framework to connect to three walls at 135°.

**Two-Way 135° Corner Cover (FKCN132)**
Provides the framework for two walls to be connected at 135°.
The following should be considered when planning with 135° connectors.

The Altos Desk, shelving, light and cabinets can be suspended from only one adjacent wall module when two wall modules intersect at 135°.

Placment of doors at a 45° does not allow for the suspension of the Altos Desk, shelving, light and cabinets on adjacent wall modules.

The length of a wall run that includes a 135° connection increases as shown below. Dimensional increase is equal in both directions of wall run.

Two-Way 135° Corner Cover (FKCN132) and Hardware for Altos Corner Connections (FKCH132)

Two-Way 135° Corner Cover (FKCN132) can be found in the Fascias Section.

Three-Way 135° Corner Cover (FKCN133) and Hardware for Altos Corner Connections (FKCH133)

Three-Way 135° Corner Cover (FKCN133) can be found in the Fascias Section.

All dimensions are taken from center-line of connection (or point where connection changes direction) to center-line of adjacent reveal between wall modules.
Articulating Corners are used to change the angle of an Altos wall run.

- Articulating Corners are available in two-way and three-way configurations
- All Articulating Corners accommodate a range of adjustment from -10° to +10°
- Finished in anodized aluminum or painted

**Articulating Two-Way Corner (FKCA2)**
- Connects two Altos walls between 80° and 100°
- Articulating wall can be on either side of corner
- Provides both the connecting hardware and cover

**Articulating Three-Way Corner (FKCA3)**
- Connects two Altos walls between 80° and 100° with a third fixed Altos wall
- Both sides of corner can be angled independently, each side allows for a maximum 20° of rotation (+/- 10°)
- Provides both the connecting hardware and cover
The following should be considered when planning with Two-Way and Three-Way Articulating Corners.

The Articulating Two-Way Corner is available with two pivot point orientations to indicate which wall is the articulating one.

Note the different vertical post positions between left and right pivot point orientation.
**Articulating Corners restrictions with Barn Door**

When a barn door starts on the inside of a fixed wall with an Articulating Corner, the angle between the barn door front wall and the articulating wall cannot be less than 90°.

Similarly, when a barn door starts at an articulating wall, the inner angle is restricted to a minimum of 82°.
The Three-Way 180° Module Connection provides options for on and off-module connections to an existing wall run.

**Three-Way 180° Module Connection (FKM3_1) (On-Module)**
- Centers the connection at the vertical reveal between Fascias
- May **not** be attached at any other location

**Three-Way 180° Module Connection (FKM3_2) (Off-Module)**
- Creates a connection anywhere between reveals of Fascias
- May **not** be used at the vertical reveal
- Can be used at Solid and Double glass Fascias only
- Module Connection adds 1-1/4" Creep – this added dimension comes from the connection interface
The following should be considered when planning with module connections.

Electrics cannot be routed through the module connections.

Spine Wall
- Module Connection adds 1-1/4” Creep – This added dimension comes from the connection interface
- There is no creep added in spine wall

Off-Module connections may not be connected to a Fascia on the spine wall that is a Markerboard, Acoustic Tackable, Metal Micro Perforated fascia, or includes a Power Data Module or any other Power/Communication cut outs.

Attaching Module Connections to Double Glassed Fascia modules is not recommended as the connector will be visible.

Perpendicular Wall
There are no restrictions for Fascias on the perpendicular wall

Mounting the Landscape Collection
The Landscape desk, shelving and lighting offering is not available planned directly adjacent to a three-way 180˚ module connection.

Perpendicular Wall
For optimum planning, mounted Landscape components should be suspended from the perpendicular wall one module away from the three-way 180˚ module connection.
planning with module connections – landscape (continued)

Door type and location must be taken into consideration when planning with the Three-Way 180° Module Connection. The following chart shows where each door type can be used on the bisected spine wall.

Door type and location must be taken into consideration when planning with the Three-Way 180° Module Connection. The following chart shows where each door type can be used on the bisected spine wall.

There are no restrictions for doors located on the perpendicular wall.

Hinged Door, Hinged Glass Door, Pivot Door, Hinged Double Door

- Door **cannot** be specified at an ON-module connection point
- Door **may be located** at any full OFF-module wall module when the door opening is a minimum of 3” from the perpendicular wall

Barn Door

- Doors can be located adjacent to on- or off-module connection
- Move walls to accommodate appropriate door widths

There are no restrictions for doors located on the perpendicular wall.
Altos offers three types of wall starts and wall ends for completing Altos runs.

**Wall Start (FKW) and Adjustable Wall Start (FLKW)**
- Begins or ends a wall run at the building wall, column or mullion and provides a clean connection between the building and the Altos wall.
- Can accommodate spacing due to untrue or unlevel wall surfaces:
  - Wall Start: +1/4” to -1/4”
  - Adjustable Wall Start: +3/8” to -3/8”
- Adds to the wall run width:
  - Wall Start: 1”
  - Adjustable Wall Start: 1-3/4”
- Wall Start can be cut on site.
- Wall Start must be used with a Landscape Vertical Post Package when planning with Landscape fascias.
- Adjustable Wall Start includes Vertical Post Package.
- Does not route electrics or communication from the building architecture wall.

**Wall Finished End (FKF)**
- Is used to cap the end of a wall run where there is no connection to another wall run.
- Can be cut to size.
- Extends from floor to ceiling.
- The grain direction will run vertically, if applicable.

**Variable Angle Wall Start (FKWA)**
- Used at the beginning or end of a run connecting to building wall, mullion or columns.
- Accommodates minor width variation from -1/4” to +3/8”.
- When wall start is at nominal position from the building, the Altos wall can start at any angle between -45° and +45°.
- When wall start is at minimum position (1/2”) from building the Altos wall can start at any angle between -38° and +38°.
- Distance between rotation point of wall start and building wall is 3/4”.
- Distance between rotation point of wall start and centerline of the first vertical post is 2”.
- Must be used with a Landscape Vertical Post package when planning with Landscape fascias.
- Does not route electrics or communications from the building architecture.
- Finished in anodized aluminum or painted.
Altos frame kits come with all necessary connection components however, certain components can also be purchased individually if required. See Price & Product Guide for details of these products.

- **Base Levelers (FBB)**
- **Horizontal Shoulder Screw (FBN)**
- **Fascia Connector – Male (FBFM)**
- **Fascia Connector – Female (FBFF)**
- **Fascia Lock (FKL)**
- **Horizontal End Cap (FBE)**
Several frame packages are available for door packages. See price pages for details of these products.

- It is not recommended to install a door adjacent to a Wall Start (FKW) or Filler Panel (FPF)
- If Fascias are required to complete assembly they must be specified separately

<table>
<thead>
<tr>
<th>Double Door Frame – Full Height (FKTF/FPFDS)</th>
<th>Double Door Transom &amp; Frame – Segmented Height (FKTS)</th>
<th>Door Frame Kit for Full or Segmented Height (FKD) and Door Frame Kit for Full Height (FPFJS/FPFHS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required for Full Hinged Double Door (FDD/FPDD)</td>
<td>Required for Segmented Double Door (FDD/FPDD) at Segmented Height</td>
<td>Required for Full or Segmented Hinged Door (FDH/FPDH) or Glass Door (FDJ/FPDJ)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Landscape Barn Door Rail Kit for Full-Height Door (FLBFR) and Landscape Barn Door Jamb Kit for Full-Height Glass Door (FLBGFJ)</th>
<th>Landscape Barn Door Rail Kit for Segmented-Height Door (FLBSR) and Landscape Barn Door Jamb Kit for Segmented-Height Glass Door (FLBGSJ)</th>
<th>Hinged Glass Double Door Transom &amp; Frame Package – Segmented Height (FKTES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required for Full Height Glass Barn Door (FDC)</td>
<td>Required for Segmented Glass Barn Door (FDC)</td>
<td>Required for Segmented Hinged Glass Double Door (FDE/FPDE)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Glass Pivot Door Solid Frame Kit for Full or Segmented Height (FKPSZ) and Glass Pivot Door Solid Frame Kit for Full Height (FPFPS)</th>
<th>Landscape Barn Door Rail Kit for Full-Height Door – Low Profile (FLUGFR) and Landscape Barn Door Jamb Kit for Full-Height Glass Door – Low Profile (FLUGFJ)</th>
<th>Landscape Barn Door Rail Kit for Full-Height Door (FDPZ/FPDPZ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required for Framed Glass Pivot Door (FDPZ/FPDPZ)</td>
<td>Required for Full Height Landscape Glass Barn Door (FDCZ)</td>
<td></td>
</tr>
</tbody>
</table>
landscape –
lighting, electrics & communications
# Landscape Lighting, Electrics & Communications

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There are five methods of supplying power and communications in Altos Landscape, each method functions differently. The following chart will help you select the appropriate solution.

Check local codes for potential limits or restrictions on products. Local authority approval may be required prior use.

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<tr>
<th>Method</th>
<th>Teknion</th>
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<tr>
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<td>Field-supplied Electrics</td>
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<tr>
<td>Daisy chaining</td>
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</tr>
<tr>
<td>Reconfigurations</td>
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<tr>
<td>Back to back applications</td>
<td>Good</td>
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<tr>
<td>Licensed electrician labor</td>
<td>Most labor required</td>
</tr>
<tr>
<td>Installer labor</td>
<td></td>
</tr>
<tr>
<td>Mounting method</td>
<td>Fastens to back of fascia</td>
</tr>
<tr>
<td>Compatibility with Altos</td>
<td>Portrait and Landscape</td>
</tr>
<tr>
<td>Standard cut out height</td>
<td>Base height, 18” height and worksurface height</td>
</tr>
<tr>
<td>Cut out orientation</td>
<td>Vertical and Horizontal</td>
</tr>
<tr>
<td>Control receptacles</td>
<td>✓</td>
</tr>
<tr>
<td>USB receptacles</td>
<td>✓</td>
</tr>
<tr>
<td>Wire systems</td>
<td>• Standard Circuit</td>
</tr>
<tr>
<td></td>
<td>• Isolated Circuit</td>
</tr>
<tr>
<td>Compatible with Teknion</td>
<td></td>
</tr>
<tr>
<td>Standard electrical wiring</td>
<td>All local options available</td>
</tr>
<tr>
<td>Type of circuit</td>
<td>Uses industry standard receptacles commonly used in drywall applications. Contractor provides all electrical components - only the Fascias are specified with cut outs</td>
</tr>
<tr>
<td>Electrical components available</td>
<td></td>
</tr>
</tbody>
</table>
### Teknion

<table>
<thead>
<tr>
<th>Landscape Collection Support Electrics</th>
<th>Altos Desk Power Accessories</th>
</tr>
</thead>
</table>
| **application**                        | • Used to support internal electrical requirements for Altos Desk and Altos Light  
• For more details please refer to Landscape wall-mounted light basics and Landscape Desk Basics  
• Electrics accessories for on the Altos Desk  
• For more details please refer to Desk Accessory Basics section |
| **benefits**                           | • Powers Altos Desk and Light with integrated cables and power feed contained within the wall  
• User accessible accessories available on the Altos Desk for power and data requirements |
| **features**                           | • Available in many wire systems  
• Comparable with standard electrical wiring systems  
• Easy to disconnect for relocation  
• Dual or Quad power cube available with power, USB or data options  
• Power Rod available with four power simplexes |
| **wire systems**                       | • 4B  
• 5D  
• 6G  
• 8T  
• 8K  
• Plugs into In-Wall Distribution Box (ELWDB) |
| **electrical components available**    | • ECF Ceiling/Underfloor Feed  
• Light Power Feed (ELPF)  
• In-Wall Distribution Box (ELWDB)  
• Landscape Desk Connecting Hardness (ELDH)  
• Landscape Light Wire Management (ELWMG)  
• Landscape Wall-Mounted Light (ELWML)  
• Power Cube (EPWRC)  
• Power Rod (ELPR)  
• Rectangular Grommet (FLGR) |
The following chart helps visualize the differences between Teknion’s Hardwire and Power Data electrical systems for Altos Landscape.

<table>
<thead>
<tr>
<th>Hardwire Electrics</th>
<th>Power Data Electrics</th>
</tr>
</thead>
</table>
| Vertical cut outs (applicable for 15”H) | Screwless Face plates.  
Self contained unit for an homogeneous, clean look.  
Data and Power in one box.  
Single face plate for entire box.  
Data jacks/faceplates are not included on Power Data modules.  
Images are for illustration purposes only. |
| ![Hardwire image] | ![Power Data image] |
| Horizontal cut outs (applicable for worksurface height) | Images are for illustration purposes only. |
| ![Horizontal Hardwire image] | ![Horizontal Power Data image] |
| Vertical cut outs (applicable for 15” high) |  |
| ![Vertical Hardwire image] |  |
| Horizontal cut outs (applicable for worksurface height) |  |
| ![Horizontal Hardwire image] |  |
Altos Landscape offers integrated lighting solutions that take advantage of the wall for wire routing and structural support.

Light Switch (ELS)
- Allows for user control of individual office ambient light or as a Remote Switch with the Landscape Wall Mounted Light (ELWML)
- Field installed on Landscape Solid and Fabric Wrapped Fascias and are cut on-site
- Can also be mounted to the Landscape Aluminium Fascia Kit (FLFK) at 42”
- It is recommended to locate the cut out 42” above finished floor, except when above a desk (46”)
- Light switches are supplied with 20’-0” cable and must be connected to building supply by a qualified electrician
- Black or White options available
The Landscape Wall-Mounted Light provides a lighting solution for both task and ambient lighting within a workspace.

Landscape Wall-Mounted Light (ELWML)
Provides lighting capability in task and ambient modes and can be mounted on the 60” or 84” horizontal datum.

Landscape Wall-Mounted Light (ELWML)
- Can be mounted to either the 60” or 84” horizontal datum using a Functional Rail
- Available 4” deep x 48-1/8” - 96” long in 1/8” nominal increments
- Select finishes available include:
  - Paint: Foundation, Accent, Mica
  - Clear Anodized

Light Power Feed (ELPF)
- This power feed harness can only be used to power one Altos Wall-Mounted Light
- Available in 120”, 180”, and 240” lengths

Landscape Light Wire Management (ELWMG)
- This cord is used to retain a low voltage wire from the task light power feed in applications where a task light is used without an in wall desk
- The wall start extruded wire manager is to be used on wall starts only
- Available in 36”, 96” and 156” lengths

switch options available:

Touch Sensitive Switch (left or right)
- Touch activated step dimming button located beside the lens
- Left handed light shown

Remote Wall-Mounted Switch
- Wall-Mounted Light Switch (ELS) can be connected to nearby Solid or Fabric Wrapped Fascia, or Landscape Aluminum Fascia Kit (FLFK)
- Left handed light (shown)

No Switch
- For building integrated solutions (connected to building power)
- Left handed light (shown)
Ceiling/Underfloor (ECF)
- Hardwired to the building power supply and brings power to other landscape electrics products
- Available in 120”, 240” and 360” lengths
- Must be routed through solid Fascias, Fabric wrapped Fascias, or corner connections (any elevation) – cannot be routed through Fascias with glass
- A connecting harness is required to connect to the first in wall distribution box

Landscape Desk Connecting Harness (ELDH)
- This harness can be used to connect two distribution boxes in a back to back or side by side desk application
- Use 24” length with Ceiling / Underfloor Feed (ECF) with a Desk
- Available in 24”, 48”, 72”, and 96” lengths

In-Wall Distribution Box (ELWDB)
- One distribution box can power up to four plug-in items
- It is used where power outlets are required inside the wall a connecting harness is required the ceiling feed to this distribution box
- Multiple boxes can be daisy chained using additional connecting harnesses
- Can be used to power the wall-mounted light

Collection support electrics – landscape
The following should be considered when planning with Landscape Wall-Mounted Lights.

The Landscape Wall-Mounted Light is available on either the 60” or 84” datum.

Placement horizontally on a wall
- The Landscape Wall-Mounted Light can be installed on the Functional Rail in 1/8” increments along the horizontal reveal
- The light’s nominal width must be equal to or less than the nominal width of the fascia

Placement above a desk
- When planning with a Landscape Desk and Wall-Mounted Light the light must align with the desk’s centerline and must be the same nominal width as the desk

Placement in a corner
- When planning two Lights in a corner wall module the adjacent Light must be specified to be a minimum of 4-1/8” from the edge of the wall module to accommodate the Lights depth as well as a 1/8” gap.
The Landscape Wall-Mounted Light can be mounted in two different applications; task and ambient.

**Task Light**
- Aims downward, casting direct light onto a workspace, markerboard or other fascia below

**Ambient Light**
- Aims upward, reflecting ambient light off a ceiling and upper fascia
- Functional Rail is mounted upside down for the ambient application

When Landscape Wall-Mounted Lights are planned back-to-back they must be specified as the same application on both sides of the wall.
• Handedness for both task and ambient applications is determined by the location of the wire exit when the user is facing the wall.
• When specifying a Light with a Touch Sensitive Switch, the switch will be located on the same side of the light as the wire exit.
• When planning a Light without a Desk, cables run along the horizontal and vertical fascia reveal before entering the wall before the floor or ceiling plane.
• Cables in the reveal can be managed with Landscape Light Wire Management (ELWMG).

- A Wall-Mounted Light can only be planned with one light per fascia module. If two fascia modules are side-by-side a light can be specified on each module but they cannot share the same vertical reveal for wire management.
• Lights cannot span across a vertical reveal.
Altos Landscape electrics are available in a base or ceiling feed condition. The following outlines the electrical routing scenarios encountered when planning with Landscape electrics.

**electrical routing scenarios:**

**Electrical Box (No Functional Rails)**
- Various Altos power and communications modules are available in the locations shown below
- Power and communications electrics are always routed independently from the Altos Landscape Light or Desk
- If the electrical feed must bypass a Functional Rail or a Glass Fascia, refer to scenario on bypassing Functional Rail or Glass Fascia

1. Worksurface Height Cut Out for:  
   - Receptacle Module (ERM)  
   - Communications Module (ECM)  
   - Fascia Cover Cap (EFCC)  
   - Power Data Horizontal Modules (EPDHC, EPDHS, EPDHD)

OR

2. 15” Height Vertical Cut Out for:  
   - Receptacle Module (ERM)  
   - Communications Module (ECM)  
   - Fascia Cover Cap (EFCC)  
   - Power Data Vertical Modules (EPDMC, EPDMS, EPDMQ, EPDMT, EPDMQ)
planning with wall-mounted lights – landscape (continued)

**Electrical Box (Bypassing Functional Rails or Glass Fascias)**

Electrical Feeds cannot run through a Functional Rail or a Glass Fascia and must be routed through:
- Landscape Aluminum Fascia Kit (FLFK)
- Adjacent Altos fascia without Functional Rails
- Adjacent Drywall partition

To bypass Functional Rails, route cables through:
A. Aluminum Fascia Kit (FLFK) (shown)
B. Altos fascia
C. Drywall partition

1. Worksurface Height Cut Out for:
   - Receptacle Module (ERM)
   - Communications Module (ECM)
   - Fascia Cover Cap (EFCC)
   - Power Data Horizontal Modules (EPDHC, EPDHS, EPDHD)

OR

2. 15” Height Vertical Cut Out for:
   - Receptacle Module (ERM)
   - Communications Module (ECM)
   - Fascia Cover Cap (EFCC)
   - Power Data Vertical Modules (EPDMC, EPDMS, EPDMD, EPDMT, EPDMQ)
planning with wall-mounted lights – landscape
(continued)

**Light (Touch Switch or No Switch)**

- When planning with the Landscape Wall-Mounted Light (ELWML) with either the Touch Switch or No Switch option, a Light Power Feed (ELPF) and Light Wire Management (ELWMG) must be specified as shown.
- When planning with a Desk and Light together, see Desk and Light electrical routing scenarios.
- Power and Communication electrics are routed independently from the Wall-Mounted Light or Desk.
- Landscape Wall-Mounted Light (ELWML) with left switch and cord location is shown.
- Use Installation Tool (FITK) to run the Light cord within the vertical and horizontal reveal.

Light cable is routed externally along horizontal and vertical reveal until entering the wall at the floor or ceiling.

To contain wire in reveal, use Landscape Light Wire Management (ELWMG).
planning with wall-mounted lights – landscape (continued)

Light (Remote Switch)

- When planning with the Landscape Wall-Mounted Light (ELWML) with the Remote Switch option, Light Power Feed (ELPF), Light Wire Management (ELWMG), and Light Switch (ELS) must be specified as shown.
- When planning with a Landscape Desk and Light together, see Desk and Light electrical routing scenarios.
- Remote Switch Lights must use an industry standard junction box to connect the Light Power Feed (ELPF) and Light Switch (ELS) in the floor or in the ceiling.
- Power and communication electrics are routed independently from the Wall-Mounted Light or Desk.
- Use Installation Tool (FTTK) to run the Light cord within the vertical and horizontal reveal.
planning with wall-mounted lights – landscape
(continued)

Desk with Light (Touch Switch or No Switch)

- When planning with a Landscape Desk (Fixed or Height-Adjustable) and a Wall-Mounted Light (ELWML) with the Touch Switch or No Switch option, an In-Wall Distribution Box (ELWDB) with Ceiling / Underfloor Feed (ECF) and Landscape Desk Connecting Harness (ELDH) must be specified with the desk as shown.

- In-Wall distribution Box (ELWDB) with Ceiling / Underfloor Feed (ECF) and Landscape Desk Connecting Harness (ELDH) can power both the Desk and Light at the same time. Light Power Feed (ELPF) is not necessary when planning with an Landscape Desk, except for when a Remote Switch is used.

- The Light cable is routed inside the wall through the desk framework. Light Wire Management (ELWMG) is not necessary when planning with a Landscape Desk.

- Landscape Underdesk Fascias (W1 and WM1) do not accept cut outs for power or communication electrical boxes.

- Recommended location for site-cut switch:
  - If above Desk: 46” AFF to avoid interference with a Height-Adjustable Desk

- Landscape Desk Height-Adjustable (FLDHA) with left switch location (shown)

- Landscape Wall-Mounted Light (ELWML) with left switch and cord location is (shown)

- Power Cube (EPWRC), Power Rod (ELPR) and Rectangular Grommet (FLGR) are optional

- When planning with two desks that are back-to-back or side-by-side, use Landscape Desk Connecting Harness (ELDH)

---

1. Power Cube (EPWRC)
2. Desk Switch
3. Power Rod (ELPR)
4. In-Wall Distribution Box (ELWDB)
5. Desk Control Box
6. Wire Management Reel

---

<table>
<thead>
<tr>
<th>1. Power Cube (EPWRC)</th>
<th>Ceiling Feed condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Desk Switch</td>
<td>Base Feed condition</td>
</tr>
<tr>
<td>3. Power Rod (ELPR)</td>
<td>Power Cube cable</td>
</tr>
<tr>
<td>4. In-Wall Distribution Box (ELWDB)</td>
<td>Desk Switch cable</td>
</tr>
<tr>
<td>5. Desk Control Box</td>
<td>Power Rod cable</td>
</tr>
<tr>
<td>6. Wire Management Reel</td>
<td>Motor Assembly cables</td>
</tr>
<tr>
<td></td>
<td>Control Box Power cable</td>
</tr>
</tbody>
</table>
planning with wall-mounted lights – landscape
(continued)

Desk with Light (Remote Switch)

- When planning with a Landscape Desk with a Wall-Mounted Light (ELWML) with the Remote Switch option, In-Wall Distribution Box (ELWDB), Ceiling / Underfloor Feed (ECF) and Landscape Desk Connecting Harness (ELDH) for the desk and Light Power Feed (ELPF) for the light must be specified as shown. It is important to note that the Light and the Desk must have independent power feeds when planning with a Remote Switch Light.
- Light cable is routed inside the wall through the desk framework. Light Wire Management (ELWMG) is not necessary when planning with an Landscape Desk.
- Remote Switch Lights use a industry standard junction box to connect the Light Power Feed (ELPF) and Light Switch (ELS) in the floor or in the ceiling.
- Both Height-Adjustable Desk (FLDHA) or Fixed Desk (FLDFX) can be used.
- Landscape Underdesk Fascias (W1 and WM1) do not accept cut outs for power and communication electrical boxes.

- Recommended location for site-cut switch:
  - If above Desk: 46” AFF to avoid interference with Height-Adjustable Desk.
- Landscape Desk Height-Adjustable (FLDHA) with left switch location (shown).
- Wall-Mounted Light (ELWML) with left switch and cord location is (shown).
- Power Cube (EPWRC), Power Rod (ELPR) and Rectangular Grommet (FLGR) are optional.
- When planning with two desks that are back-to-back or side-by-side, use Landscape Desk Connecting Harness (ELDH).

---

1. Power Cube (EPWRC)
2. Desk Switch
3. Power Rod (ELPR)
4. In-Wall Distribution Box (ELWDB)
5. Desk Control Box
6. Wire Management Reel
Electrics and communications receptacles can be specified at two levels: 15” height and worksurface height depending on type specified.

- Wall modules that require electrics or communications are specified by ordering Fascias that come complete with cut outs
- Fascia cut outs are required for accessing power and communications. Cut out locations vary depending on the application type
- All cut outs are located right of center-line on the front of the Fascia, this allows for electrics and communications to be specified on both inner and outer elevations of the same wall module
- At worksurface height, cut outs are always oriented horizontally. At 15” height, cut outs are always oriented vertically.
- Fascia cut out locations are available in the following finishes: Solid, and Fabric Wrapped

<table>
<thead>
<tr>
<th>Horizontal cut outs</th>
<th>Vertical cut outs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>15” height</strong></td>
<td>![Diagram for 15” height cut outs]</td>
</tr>
<tr>
<td>![Diagram for Worksurface Height cut outs]</td>
<td>![Diagram for Worksurface Height cut outs]</td>
</tr>
</tbody>
</table>

- **Hardwire**
- **Power Data**

15” above finished floor to center-line of cut out

33” above finished floor to center-line of cut out
fascia power/communication cut out options – landscape

The chart below outlines the styles of openings available for Fascias that accept electrical cut outs. Each letter represents a different cut out style. Cut out styles should be chosen depending on the electrical system being used.

<table>
<thead>
<tr>
<th>No need for electrical access</th>
<th>No cut outs</th>
</tr>
</thead>
<tbody>
<tr>
<td>15” AFF Height</td>
<td>SL</td>
</tr>
<tr>
<td></td>
<td>DL</td>
</tr>
<tr>
<td></td>
<td>TL</td>
</tr>
<tr>
<td></td>
<td>QL</td>
</tr>
<tr>
<td>33” AFF Height (worksurface height)</td>
<td>FL</td>
</tr>
<tr>
<td></td>
<td>GL</td>
</tr>
<tr>
<td>Combined Heights (15” and worksurface heights)</td>
<td>LL</td>
</tr>
<tr>
<td></td>
<td>ML</td>
</tr>
<tr>
<td>Hardwire</td>
<td>15” AFF Height</td>
</tr>
<tr>
<td></td>
<td>3L</td>
</tr>
<tr>
<td>33” AFF Height (worksurface height)</td>
<td>XL</td>
</tr>
<tr>
<td></td>
<td>YL</td>
</tr>
<tr>
<td></td>
<td>ZL</td>
</tr>
</tbody>
</table>
Fascia Cover Caps (EFCC) can be ordered to cover unused hardwired cut outs by size.

<table>
<thead>
<tr>
<th>Cut Out Descriptions</th>
<th>Width Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>No need for electrical access</td>
<td></td>
</tr>
<tr>
<td>1L No cut outs</td>
<td>for Fascias 12” to 120” wide</td>
</tr>
<tr>
<td>SL 15” AFF Height Vertical Cut Out for Single Module</td>
<td>for Fascias 14” to 120” wide</td>
</tr>
<tr>
<td>DL 15” AFF Height Vertical Cut Out for Double Module</td>
<td>for Fascias 18” to 120” wide</td>
</tr>
<tr>
<td>TL 15” AFF Height Vertical Cut Out for Triple Module</td>
<td>for Fascias 22” to 120” wide</td>
</tr>
<tr>
<td>QL 15” AFF Height Vertical Cut Out for Quad Module</td>
<td>for Fascias 26” to 120” wide</td>
</tr>
<tr>
<td>Power Data</td>
<td></td>
</tr>
<tr>
<td>FL 33” AFF (Worksurface Height) Horizontal Cut Out for Single Module</td>
<td>for Fascias 17” to 120” wide</td>
</tr>
<tr>
<td>GL 33” AFF (Worksurface Height) Horizontal Cut Out for Double Module</td>
<td>for Fascias 27” to 120” wide</td>
</tr>
<tr>
<td>LL Combination: 33” AFF (Worksurface Height) Horizontal Cut Out for Single Module and 15” AFF Height Vertical Cut Out for Double Module</td>
<td>for Fascias 17” to 120” wide</td>
</tr>
<tr>
<td>ML Combination: 33” AFF (Worksurface Height) Horizontal Cut Out for Double Module and 15” AFF Height Vertical Cut Out for Double Module</td>
<td>for Fascias 27” to 120” wide</td>
</tr>
<tr>
<td>Hardwire</td>
<td></td>
</tr>
<tr>
<td>4L 15” AFF Height 1 Vertical Cut Out</td>
<td>for Fascias 12” to 120” wide</td>
</tr>
<tr>
<td>3L 15” AFF Height 2 Vertical Cut Outs</td>
<td>for Fascias 21” to 120” wide</td>
</tr>
<tr>
<td>XL 33” AFF (Worksurface Height) 1 Horizontal Cut Out</td>
<td>for Fascias 17” to 120” wide</td>
</tr>
<tr>
<td>YL 33” AFF (Worksurface Height) 2 Horizontal Cut Outs</td>
<td>for Fascias 27” to 120” wide</td>
</tr>
<tr>
<td>ZL 33” AFF (Worksurface Height) 3 Horizontal Cut Outs</td>
<td>for Fascias 36” to 120” wide</td>
</tr>
</tbody>
</table>
Hardwire electrics & communications basics – landscape

Hardwire components consist of receptacle modules and communications modules.

- Connection to building supply must be done by a qualified electrician
- Fascia cut outs may not accept client-supplied standard electric/data boxes, receptacles and faceplates, the factory cut outs match factory electrics
- One size cut out fits both receptacle and communications modules. Any combination of Receptacles or Communications Modules are possible

Receptacle Module (ERM)
- Provides access to electrical power and can be installed at all Fascia cut outs located at base height, 18” height, and worksurface height
- Available in Standard or Isolated Ground
- Pre-wired with 20’-0” cable
- Altos receptacles are standard 120-volt with a choice of 15 or 20 amps
- Comes ready for installation and includes a standard electrical/data box, decora receptacle and faceplate

Communications Module (ECM)
- Voice and data are brought to the workspace via the Communications Module and can be used in all Fascia cut outs located at base height, 18” high and worksurface height
- Accepts modular furniture or decora strap faceplates
- Jacks/faceplates and cabling not included
- Can be specified to accept the pictured two faceplates
- Can be specified to accept twisted pair, fiber optic or coaxial cable (supplied by others)

Fascia Cover Cap (EFCC)
- The Fascia Cover Cap covers any unused Fascia cut outs for Hardwired electrics.
• One size cut out fits both receptacle and Communications Modules
• Any combination of Receptacles or Communications Module are possible
The following should be considered when planning with hardwire electrics and communications.

Electrical and communication cables are fed from the ceiling or from access floors through cut outs in the Ceiling or Base Channels to Receptacle and Communications Modules.

Ceiling feed must be routed vertically through corner connections when planning with clerestories or glazed Fascias and horizontally to Receptacle or Communications Modules.

Receptacle Modules are pre-wired with a 20'-0” cable and must be connected to building supply by a qualified electrician.

Communications Modules are not pre-wired
• All cables must be supplied by the cable contractor

Hardwired Circuit Diagram

Two options are available for wire systems in ERM receptacle modules, hardwire electrics:

<table>
<thead>
<tr>
<th>Standard Circuit</th>
<th>Isolated Ground Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>H Hot Wire</td>
<td>H Hot Wire</td>
</tr>
<tr>
<td>N Neutral Wire</td>
<td>N Neutral Wire</td>
</tr>
<tr>
<td>G Ground Wire</td>
<td>G Ground Wire</td>
</tr>
<tr>
<td></td>
<td>IG Isolated Ground Wire</td>
</tr>
</tbody>
</table>

(For isolated ground: orange receptacle)

Altos Receptacle Modules (ERM) consist of three wires (one circuit) for standard circuits and four wires for isolated ground circuits. Receptacles can be specified as standard or isolated ground.
Altos power data electrics allows for maximum flexibility and simple reconfiguration.

1. Power is provided to Altos walls by a building junction box provided by others.
2. Power Data Starter Cable (EPDSC) - Connects to the building’s junction box (by a certified electrician). Cables are fed from the ceiling or from access floors though cut outs in the ceiling or base channels to the Power Data Modules.
3. Four-Way Splitters (EPDDB) - Connects to the Starter Cable and allows daisy chaining as well as back to back.
4. Power Data Connecting Harness (EPDCH) can be specified to link modules or passing through panels without receptacles.
5. Modules can be mounted back to back to provide power to adjacent offices.
6. Reaching other power locations can be accomplished by adding an In-line connector (EPDIC) to lengthen the infeed with a power harness when is end of run, single sided.

Power can be accessed through the use of power modules, which are mounted on Fascias at 15” height, or 33” AFF. That is below or above the worksurface respectively (standard cut out locations). Power Data Modules are mounted from behind the fascia by fastening to the fascia.
Power data electrics consist of the following components that allow office spaces to be powered directly from Altos walls

- Power data components can be connected in series (daisy chained) and are non-directional
- Power from a single building supply may be routed to multiple offices
- Back-to-back installation of electrics and communications is possible because electrical box mounting if offset on the fascia
- All components must be specified from same wire system - systems available: 4B, 5D, 7G, 8T and 8K
- Certain Altos Fascias are available with cut outs to match each power data module type. See Fascia power/communication Cut Outs page for more details
- Power data components can not be connected with hardwired components nor Landscape Collection Support Electrics
- Electrical connections to the building power supply must be done on-site by a certified electrician
- Maximum number of Power Data Modules chained by one feed is limited by electrical loads. This will depend on number of receptacles per Power Module, what equipment will be plugged in to those receptacles, the number of circuits, and the local code’s requirements. For convenience, limit to four rooms/offices. Please contact your electrical contractor for further assessment

1. Power Data Starter Cable (EPDSC)
2. Power Data Four-Way Splitter (EPDDB)
3. Power Data Vertical Module - Triple (EPDMT)
4. Power Data Connecting Harness (EPDCH)
5. Power Data In-line Connector (EPDIC)
6. Power Data Vertical Module – Double (EPDMD)
# Power Data Consists of the Following Components

Power data modules mount to panel fascias to provide access to power and/or communications. The following chart will help you select the appropriate solution.

<table>
<thead>
<tr>
<th>Visual</th>
<th>Power Duplexes</th>
<th>Data Openings*</th>
<th>Conduit Length</th>
<th>Color</th>
<th>Electrical Voltage and Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Data Vertical Module – Communication (EPDMC)</td>
<td>![Image]</td>
<td>0</td>
<td>1</td>
<td>No conduit</td>
<td>Black or White</td>
</tr>
<tr>
<td>Power Data Vertical Module – Single (EPDMS)</td>
<td>![Image]</td>
<td>1</td>
<td>0</td>
<td>18” Long</td>
<td>Black or White</td>
</tr>
<tr>
<td>Power Data Vertical Module – Double (EPDMD)</td>
<td>![Image]</td>
<td>1</td>
<td>1</td>
<td>18” Long</td>
<td>Black or White</td>
</tr>
<tr>
<td></td>
<td>![Image]</td>
<td>2</td>
<td>0</td>
<td>18” Long</td>
<td>Black or White</td>
</tr>
<tr>
<td>Power Data Vertical Module – Triple (EPDMT)</td>
<td>![Image]</td>
<td>2</td>
<td>1</td>
<td>18” Long</td>
<td>Black or White</td>
</tr>
<tr>
<td>Power Data Vertical Module – Quad (EPDMQ)</td>
<td>![Image]</td>
<td>3</td>
<td>1</td>
<td>18” Long</td>
<td>Black or White</td>
</tr>
<tr>
<td>Power Data Horizontal Module – Communication (EPDHC)</td>
<td>![Image]</td>
<td>0</td>
<td>1</td>
<td>No Conduit</td>
<td>Black or White</td>
</tr>
<tr>
<td>Power Data Horizontal Module – Single (EPDHS)</td>
<td>![Image]</td>
<td>1</td>
<td>0</td>
<td>18” Long</td>
<td>Black or White</td>
</tr>
<tr>
<td>Power Data Horizontal Module – Double (EPDHD)</td>
<td>![Image]</td>
<td>1</td>
<td>1</td>
<td>18” Long</td>
<td>Black or White</td>
</tr>
<tr>
<td></td>
<td>![Image]</td>
<td>2</td>
<td>0</td>
<td>18” Long</td>
<td>Black or White</td>
</tr>
</tbody>
</table>

*All data openings include 1 cover plate for the communication outlet (color to match faceplate). Connects to building communication network (no power). Cables and data jacks for communication boxes to be provided by others.
Power data electrics consists of the following components to route power to Altos panels

<table>
<thead>
<tr>
<th>Description</th>
<th>Visual</th>
<th>Length</th>
</tr>
</thead>
</table>
| **Power Data Four-Way Splitter (EPDDDB)** | • Distributes power in two or three directions  
• Routes power between modules, harnesses, and/or starter cables  
• Includes two port covers | No conduit |
| **Power Data In-line Connector (EPDIC)** | • Routes power between modules, harnesses, and/or starter cables | No conduit |
| **Power Data Starter Cable (EPDSC)** | • Feeds building power from ceiling down to the Power Data Modules in a panel, or from base floor up to the modules  
• Always connects to a junction box (provided by electrician)  
• Includes an In-line Connector | Available in 18”, 120” and 240” lengths |
| **Power Data Connecting Harness (EPDCH)** | • Routes power between Power Data Modules and is non directional  
• Also connects to Starter Cables for routing power | Available in 48”, 72”, 96”, 120”, and 144” lengths |
Power data receptacles are available in 15 amp, 20 amp and with USB options. Please see chart for possible combinations.

- USB receptacles are only available in Circuit 1
- USB receptacles cannot be on a controlled circuit

<table>
<thead>
<tr>
<th>Receptacle outlets</th>
<th>Power Receptacles</th>
<th>Data Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15 amp</td>
<td>20 amp</td>
</tr>
<tr>
<td>Standard Outlet (S)</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td>Controlled Outlet (D)</td>
<td><img src="image3" alt="Image" /></td>
<td><img src="image4" alt="Image" /></td>
</tr>
<tr>
<td>USB (A+C)* Outlet (U)</td>
<td><img src="image5" alt="Image" /></td>
<td><img src="image6" alt="Image" /></td>
</tr>
<tr>
<td>Standard Outlet (T)</td>
<td><img src="image7" alt="Image" /></td>
<td><img src="image8" alt="Image" /></td>
</tr>
<tr>
<td>Controlled Outlet (E)</td>
<td><img src="image9" alt="Image" /></td>
<td><img src="image10" alt="Image" /></td>
</tr>
<tr>
<td>USB (A+C)* Outlet (W)</td>
<td><img src="image11" alt="Image" /></td>
<td><img src="image12" alt="Image" /></td>
</tr>
<tr>
<td>Data Opening (0)</td>
<td><img src="image13" alt="Image" /></td>
<td><img src="image14" alt="Image" /></td>
</tr>
</tbody>
</table>

*USB (A+C)

Cable compatibility: USB C
  USB 2.0
  USB 3.0

USB charger provides a total combined output of up to 25 Watts (5 Amps).
Maximum output on the USB-A port is 10 Watts (2 Amps).
Output voltage is fixed at 5 Volts DC.

Faceplate opening dimensions for Data:

![Image](image15)

Data opening accepts modular furniture faceplates (supplied by others)
Altos based solution for the controlling function that addresses the ASHRAE/Title 24 energy conservation requirements.

Power Data electrics offers standard and controlled power receptacles for Altos walls. Controlled receptacles are any receptacles connected to an automatic shut-off controller.

- Shut-off controllers turn electrical power on and off in those controlled receptacles to:
  - Save electrical consumption,
  - Reduce carbon footprint,
  - Comply with energy codes, and
  - To earn points for LEED rewards/certifications

- When devices such as monitors, televisions, or task lights, are left ON or plugged in when not in use, they still consume energy. Power controlled receptacles will automatically switch off to minimize wasted energy. Power can be switched off by means of an occupancy sensor, timer or other method as chosen by the site electrician or contractor. This allows for ASHRAE/Title 24 compliance

- Receptacles are typically controlled by circuit in a modular power distribution system. This means that all receptacles on the same circuit will be controlled together. For example, if circuit #2 is connected to a sensor placed in the ceiling, then all receptacles on circuit #2 powered from the same feed harness will switch on and off together. Even if they are in separate rooms. This is important to remember/understand when specifying or planning the electrical layout

- Controlled receptacles are simple to identify. They are marked with the universally recognized power symbol and the word “controlled”. This permanent marking allows users to differentiate them from standard receptacles and inform employees, guest users and others which receptacles have constant power availability and which receptacles may have power switched off at predetermined times or occupancy conditions

- Identifying which outlets automatically shut-off and which remain constantly powered is important, so the correct equipment and devices may be plugged into the appropriate outlet

---

**Constant Power Outlet (Standard receptacle):**
Plug in:
- Computer CPUs,
- Internet routers
- Devices which must always be on

**Shut-off controlled Outlet (Controlled receptacle):**
Plug in:
- Displays/monitors
- Task lights
- Space heaters/Fans
- Printers
- Televisions
- Water fountains
determining harness lengths – landscape

The following outlines the harness lengths required for connecting Power Data Modules.

- It is important to include in-line connectors and four-way splitters to connect Power Data Modules
- All Power Data Modules have 18” long conduits
- Altos Landscape vertical posts have 3.5” high openings at 12” and 30” AFF
- Cut outs on the horizontals are located 3” from the vertical reveal line, to the center of the cut outs at each end. They are 1.2” by 3.1”

Add the following applicable length then use the harness length matrix to order harness product/s:
1) 1/2 the wall segment width on the starting Power Data Module
2) 1/2 the wall segment width on the destination Power Data Module
3) One full wall segment width on any pass-through walls
4) 14” when passing through a connector post (two-way, three-way or four-way)
5) 30” for dropping and rising to pass through base (applies to 15” high AFF and worksurface height)
6) No length required to transition for a back to back application (applies only when connecting two modules)
7) When three or four power modules are in the same frame section (ie. at 15”AFF and 33”AFF, back-to-back) you need two additional splitters and a short harness: EPDCH48

harness length matrix

<table>
<thead>
<tr>
<th>Calculated Length</th>
<th>Product combination to order</th>
</tr>
</thead>
<tbody>
<tr>
<td>0” to 47”</td>
<td>EPDCH48</td>
</tr>
<tr>
<td>48” to 71”</td>
<td>EPDCH72</td>
</tr>
<tr>
<td>72” to 95”</td>
<td>EPDCH96</td>
</tr>
<tr>
<td>96” to 119”</td>
<td>EPDCH120</td>
</tr>
<tr>
<td>120” to 143”</td>
<td>EPDCH144</td>
</tr>
<tr>
<td>144” to 167”</td>
<td>EPDCH120, EPDIC, EPDCH48</td>
</tr>
<tr>
<td>168” to 191”</td>
<td>EPDCH120, EPDIC, EPDCH72</td>
</tr>
<tr>
<td>192” to 215”</td>
<td>EPDCH120, EPDIC, EPDCH96</td>
</tr>
<tr>
<td>216” to 239”</td>
<td>EPDCH120, EPDIC, EPDCH120</td>
</tr>
<tr>
<td>240” to 263”</td>
<td>EPDCH120, EPDIC, EPDCH144</td>
</tr>
<tr>
<td>264” to 287”</td>
<td>EPDCH144, EPDIC, EPDCH144</td>
</tr>
</tbody>
</table>

Always remember to include in-line connectors and four-way splitters to connect Power Data Modules and/or harnesses.
determinating harness lengths – landscape (continued)

The following examples will further explain these rules:

Adjacent panels with Power Data Modules at the same height.

Passing through more than one panel, at the same height.

Harness calculation: \[
\text{EPDCH96} = \frac{72''}{2} + \frac{72''}{2} = 72''
\]

Harness calculation: \[
\text{EPDCH120} = \frac{72''}{2} + \frac{72''}{2} + \frac{72''}{2} = 144''
\]

Passing through more than one panel, when dropping and rising through the base.

When passing through unpowered fascias with obstructions such as glass panels, a change of height is necessary to route power at base.

Harness calculation: \[
\text{EPDCH120} = \frac{72''}{2} + \frac{72''}{2} + \frac{72''}{2} + 30'' = 174''
\]
The following outlines the harness lengths required for connecting Power Data Modules.

### Back-to-back modules

Back to back modules do not require harnesses to connect them together.

### Passing through corner connections

<table>
<thead>
<tr>
<th>Harness calculation:</th>
<th>72” + 72” + 14” = 86”</th>
<th>EPDCH96</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
<td>pass thru post</td>
</tr>
<tr>
<td>calculated length</td>
<td>product to order</td>
<td></td>
</tr>
</tbody>
</table>

When connecting three or four modules in a single panel, such as the case of back-to-back situation, a 48” harness and two additional splitters are required.
Altos framing system has cut outs that allow for routing cables. Cables can be fed through ceiling or base channels, horizontals, vertical posts, as well as space under base fascias. The following should be considered when routing Power Data electrics.

<table>
<thead>
<tr>
<th>Power path</th>
<th>Portrait Power Data</th>
<th>Landscape Power Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-line through two vertical post</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Through horizontal</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Through horizontal at the base</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Two-Way 90˚, through two vertical posts</td>
<td>3-3 as shown</td>
<td>2-2 limit</td>
</tr>
<tr>
<td>Three-Way 90˚, through three vertical posts</td>
<td>3-3 as shown</td>
<td>2-2 limit</td>
</tr>
<tr>
<td>Three-Way 90˚, through three vertical posts</td>
<td>3-2-1</td>
<td>3-2-1</td>
</tr>
</tbody>
</table>

The Adjustable Wall End, Wall Start, and Spine Wall Off-Module do not route electrics or communications to adjacent walls.
The Adjustable Wall End, Wall Start, and Spine Wall Off-Module do **not** route electrics or communications to adjacent walls.

<table>
<thead>
<tr>
<th>Power path</th>
<th>Portrait Power Data</th>
<th>Landscape Power Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-Way 90°, through three vertical posts</td>
<td>3-2-3</td>
<td>3-2-3</td>
</tr>
<tr>
<td>Three-Way 90°, through three vertical posts</td>
<td>2-3-3 as shown</td>
<td>2-2-2 limit</td>
</tr>
<tr>
<td>Three-Way 90°, through three vertical posts</td>
<td>2-2-2</td>
<td>2-2-2</td>
</tr>
<tr>
<td>Four-Way, through vertical post. Must drop down to make a turn</td>
<td>1-1</td>
<td>1-1</td>
</tr>
<tr>
<td>4&quot; base fascia power routing</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Routed vertically through corner connection</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
planning with power data power distribution – landscape (continued)

Power data electrics can be daisy chained above ceiling, inside panels, or below floor

power distribution inside panels

power distribution above ceiling
planning with power data power distribution – landscape (continued)

The following should be taken into consideration when planning for power distribution:

planning with glass fascias and functional rails

Power data components cannot be routed through Fascia packages that include glazed Fascias nor functional rails.

Power data components can be routed through a 4” base Fascia when glass is above.

planning with light switches

Power data modules cannot be linked together with light switches. Light switches are pre-wired with a 20’-0” cable and must be connected to building supply by a qualified electrician.
Harnesses cannot be linked together. An in-line connector or a four-way splitter should be specified to connect them.

Power data modules cannot be linked together. A four-way splitter should be specified to connect them.
Connection to a grounded 3 phase WYE system - 120/208 V.

- Five wiring systems are available for power data, 4B, 5D, 7G, 8T and 8K.
- It is important to specify each power product accordingly with the wire system in use. Components are marked with the wire system to avoid connecting mismatched parts.
- For sites where Isolated Ground is not available, Teknion offers Non-Isolated Ground options for powering walls. The site electrician or electrical contractor/consultant can identify sites where Isolated Ground is not available. For those sites, please specify Teknion 4B or 5D wiring systems.

**4B 4-wire 2 circuit**

**5D 5-wire 3 circuit**
power data information for electricians – landscape (continued)

7G 7 Wire 3 circuit (2+1 Isolated Ground)

8T 8 Wire 4 circuit (3+1 Isolated Ground)

8K 8 Wire 4 circuit (2+2) - Dual isolated
4B 4-wire 2 circuit

5D 5-wire 3 circuit

7G 7 Wire 3 circuit (2+1 Isolated Ground)
power data information for electricians – landscape (continued)
specifying altos electrics & communications – landscape

The following steps should be followed when specifying electrics.

- The inside and outside elevations of one wall module can both be installed with Receptacle and/or Communications Modules
- Back-to-back installation of electrics and communications is possible due to offset mounting on Fascias

specifying method

step 1

Determine Fascia configuration and level of cut out

When power and/or communications is required, Altos Fascias must be specified with corresponding cut outs. Non-powered Fascias can be retrofitted with electrics and communications by ordering a single new Fascia with appropriate cut out(s) and required electrical components

- All cut outs are located right of center-line on the front of the Fascia so electrics and communications can be specified on both inner and outer elevations of the same wall module
- At worksurface height, cut outs are always oriented horizontally. At 15” height, cut outs are always oriented vertically

step 2

Order appropriate Power and Communications electrical boxes. The total number should match the total number of cut outs specified on Fascias.

fascia cut out locations

Fascia cut outs are required for accessing power and communications. Cut out locations vary depending on the application type.
determining electrics & communications requirements – landscape

The following steps should be followed when determining electrical requirements.

- The distribution of power is the responsibility of the electrical contractor
- The number of power outlets and voice/data jacks per workspace should be determined by end-user requirements
- Voice/data jack/faceplates are supplied by the cable contractor
- Check amperage of specific equipment that will be used. Amperage used below are for sample purposes only

**step 1:**
List all office equipment and lighting requirements for each workspace with appropriate amperage loads. Calculate total amperage required for each workspace. Altos receptacles are standard 120-volt, 15 or 20A. 220-volt equipment should be assigned to an alternative electrical distribution system.

<table>
<thead>
<tr>
<th>Work Space #</th>
<th>Requirement</th>
<th>Amps</th>
<th>Module Required</th>
<th>Type of Circuit</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Personal Computer</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amps #1</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Personal Computer</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amps #2</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Personal Computer</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Laser Printer</td>
<td>7.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Desk Lamp x 2</td>
<td>2.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amps #3</td>
<td>13</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Amperage 31 amps

- The distribution of power is the responsibility of the electrical contractor
- The number of power outlets and voice/data jacks per workspace should be determined by end-user requirements
- Voice/data jack/faceplates are supplied by the cable contractor
- Check amperage of specific equipment that will be used. Amperage used below are for sample purposes only
determining electrics & communications requirements – landscape (continued)

step 2:
Determine the number and location of Power and Communication electrical boxes needed in each workspace. Some equipment (e.g., computers) may require an isolated circuit and this should be specified at this stage.

<table>
<thead>
<tr>
<th>Work Space #</th>
<th>Requirement</th>
<th>Amps</th>
<th>Module Required</th>
<th>Type of Circuit</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground or Standard, 120 V, 15 amp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amps #1</td>
<td>9 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground or Standard, 120 V, 15 amp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amps #2</td>
<td>9 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground or Standard, 120 V, 15 amp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Laser Printer</td>
<td>7.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Desk Lamp x 2</td>
<td>2.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amps #3</td>
<td>13 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Amperage</td>
<td>31 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
determining electrics & communications requirements – landscape (continued)

step 3:
Balance the electrical load by assigning equipment to specific circuits. It is necessary to know the building’s circuit capacity to do this. Also check local code requirements so that the maximum number of receptacles per circuit is not exceeded.

<table>
<thead>
<tr>
<th>Work Space #</th>
<th>Requirement</th>
<th>Amps</th>
<th>Module Required</th>
<th>Type of Circuit</th>
<th>Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground or Standard, 120 V, 15 amp</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>B</td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>B</td>
</tr>
<tr>
<td></td>
<td>Total Amps #1</td>
<td>9 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground or Standard, 120 V, 15 amp</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Desk Lamp</td>
<td>1.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>One Convenience Outlet</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>Total Amps #2</td>
<td>9 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Personal Computer</td>
<td>4.00</td>
<td>Duplex Receptacle</td>
<td>Isolated Ground or Standard, 120 V, 15 amp</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Laser Printer</td>
<td>7.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>D</td>
</tr>
<tr>
<td></td>
<td>Desk Lamp x 2</td>
<td>2.00</td>
<td>Duplex Receptacle</td>
<td>Standard, 120 V, 15 amp</td>
<td>D</td>
</tr>
<tr>
<td></td>
<td>Total Amps #3</td>
<td>13 amps</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Amperage: 31 amps

Altos receptacles are decora-style and are rated for 15 or 20 amps. For continuous loads, de-rate load capacity of the circuit to 80% of rating or what’s required by local codes. It is advised to consult with local electrician.

step 4:
Determine the number of voice and data jacks required for each workspace. Communication jacks, faceplates and cables are supplied by the cabling contractor.

step 5:
Translate electrics and communications requirements into appropriate Altos product.
landscape – collection & accessories
landscape – collection & accessories

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The Landscape Collection consists of wall-integrated shelving, lighting, storage and height adjustable and fixed desks. The Landscape Collection can be mounted off-module, allowing for greater planning flexibility and maximizing floor space.

1. **Landscape Wall-Mounted Light (ELWML)**
   - Provides task or ambient lighting applications above a desk, markerboard, or along a storefront corridor

2. **Power Cube (EPWRC)**
   - Provides user accessible Power, USB and Data to the Landscape Desk

3. **Landscape Desk Fixed (FLDFX), Height-Adjustable (FLDHA)**
   - Landscape desks provide a Wall-Mounted desking solution to keep overall footprint of the room to a minimum
   - Ideal enclave or office spaces
   - Fixed or Height-Adjustable options available

4. **Landscape Wall-Mounted Cabinet Open (FLWCO), Sliding Door (FLWCS)**
   - Landscape Wall-Mounted cabinets provide a semi-permanent or temporary storage application
   - Available as an open cubby or with a sliding door

5. **Landscape Fitted Seat Cushion (FLFC)**
   - Provides temporary seating solution on Wall-Mounted Cabinet
   - Available in upholstery fabrics
Landscape shelves are available in various materials and are ideal for personal or occasional storage. They can be mounted to the 36” and 60” horizontal datum.

**Landscape Shelf Solid (FLSS)**
- Ideal for larger item storage and accommodates letter-sized paper
- 9” deep x 48-1/8” - 96” wide in 1/8” increments
- 1” thick with integrated connecting beam
- Available with flat edge
- Finishes:
  - Shelf: Foundation Laminate, Flintwood
  - Connecting Beam: Paint: Foundation, Mica

**Landscape Shelf Aluminum (FLSA)**
- 4” deep x 48-1/8” - 120” wide in 1/8” increments
- 7mm thick extruded profile
- Finishes:
  - Paint: Foundation, Accent, Mica

**Landscape Shelf Glass (FLSG)**
- 4” deep x 48-1/8” - 96” wide in 1/8” increments
- 6mm tempered glass

**Landscape Shelf Whiteboard (FLTW)**
- Used below a backpainted glass fascia or wall-mounted monitor
- 4” deep x 48-1/8” - 120” wide in 1/8” increments
- 7mm thick extruded profile
- Finishes:
  - Paint: Foundation, Accent, Mica
The following should be considered when planning with Landscape shelves.

horizontal placement

- The shelf can be installed within the Functional Rail in 1/8” increments along the horizontal reveal
- When fully justified to the left or right on the wall the shelf will align to the edge of the fascia

above a desk

- When planning with an Altos desk the shelf must align with the desk’s centerline and be the same nominal width as the desk
- Wood, Aluminum, Glass and Whiteboard Tray shelves are available on 36” and 60” horizontal reveals only
- Multiple Shelves can be installed on each reveal
When planning two shelves side by side, it is recommended to specify shelf widths so that there is a spacing of 6mm between them to match the vertical fascia reveal.

The shelves **cannot** span across a vertical reveal.

When planning two shelves in a corner, the adjacent shelf must be specified to be a minimum of 4-1/8" or 9-1/8" from the edge of the fascia to accommodate the shelf depth as well as a 1/8" gap.
- Aluminum, Glass and Whiteboard shelves: 4-1/8"
- Solid shelf: 9-1/8"
Landscape desks provide a wall-mounted desking solution that maximizes usable space in an environment and hides unnecessary cables.

- Available fixed or height-adjustable
- Available single or double sided within a 4” thick Altos Landscape wall
- Depths available:
  - 24” (nominal)
  - 30” (nominal)
- Widths available include 60” - 84” (nominal) in 6” increments
- Available with desk-mounted Power / USB / Data options
- Worksurface Edges include:
  - Flat
  - Knife
  - Eased

**Landscape Desk Fixed (FLDFX)**
- Heights available include:
  - 29”
  - 42”
- Leveling capability independent from the wall
- The back of the cantilever allows for electrical routing into the wall

**Landscape Desk Height-Adjustable (FLDHA)**
- Height-adjustable leveling range is 28” - 44”
- Vertical Wire Carrier allows for electrical routing into the wall

**Landscape Desk Switch**
- Intuitive form and function (lift up to move desk up, push down to move desk down)
- Memory positions
- Support/instructional content available on the Linak website: www.linak.com
The following should be considered when planning with Landscape desks.

Desks must be installed so worksurfaces are at the same height relative to each other.

Desks do not follow the floor as worksurfaces will not align.
The Landscape Desk (fixed or height-adjustable) can be planned centered on the wall or justified to the left or the right of the wall.

- Upper fascias are above the 36” datum while under desk fascias are below 36”
- Upper and under desk fascias must correspond to the desk location, centered or justified
- When a desk is centered on the wall module use standard Landscape fascias above the desk, except the ceiling and base fascia which must be justified.

When a desk is centered on the wall module use standard Landscape fascias above the desk, except the ceiling and base fascia which must be justified.
Altos Desks sharing a wall module back to back must be the same width, the same type (fixed or height-adjustable), and in alignment as they share the same supporting frame and wall connection.

Correct Application
- Same width
- Same type
- In alignment

Different types (fixed/height-adjustable)
- Must be both Height-Adjustable or both Fixed

Different widths
- Must be the same width

Not aligned
- Must be in alignment with each other on the wall
Landscape Desks have an actual width that is less than the nominal width to allow for a 1-1/8" gap around both sides and back of the desk.

**Example:**

30" x 60" Nominal = 28-7/8" x 57-3/4" Actual

<table>
<thead>
<tr>
<th>Wall Module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Depth (example: 30&quot;)</td>
</tr>
</tbody>
</table>

1-1/8" gap for spacing at back and each side

| Actual Desk Width (example: 58-3/4") |

If the Desk is height-adjustable, a minimum of 1" gap is required between the end of shelf at 36" datum and the Desk's worksurface edge:

- Full overlap is permitted if the desk is a fixed
- Full overlap is permitted for shelves / lights mounted at 60" or 84" datums

Lights and shelving must be specified at the 60" or 84" datum. They must also be the same nominal width and be specified centered over the desk.

* When a Landscape Desk has been specified on a wall run, storage cabinets cannot be mounted on the same wall module as horizontal rails are in different locations.
Cabinets overlapping below the Landscape Desk can be no more than 18" from edge of fascia. It is not recommended to keep anything in the overlap zone below a height-adjustable desk.

Overlapping with a 24" deep desk

![Diagram of overlapping with a 24" deep desk]

Overlapping with a 30" deep desk

![Diagram of overlapping with a 30" deep desk]
When planning two worksurfaces in the corner of a room it is recommended that the one corner desk be specified up to the corner and the adjacent desk be specified 1" from the front edge of the corner desk.

The adjacent desk can be specified centered, justified left or justified right on the wall.

Centered on wall module

Justified left on wall module

Justified right on wall module

Wall module = \( A + B \)

Wall module = \( A + B + A \)

Wall module = \( A + B \)

1-1/8” gap accounted for (built into wall module for desk)

A = Nominal depth of desk (24” or 30”)

B = Nominal width of desk (60”, 66”, 72”, 78”, or 84”)

Wall module width depends on the type of fascia used (maximum width = 120”)

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Wall module width depends on the type of fascia used (maximum width = 120”)

A = Nominal depth of desk (24” or 30”)
When planning with three desks in a room, adjacent desks are best planned centered on the wall between two corner desks.

Centered on wall module

A = Nominal depth of desk (24” or 30”)
B = Nominal width of desk (60”, 66”, 72”, 78”, or 84”)

Wall module width depends on the type of fascia used (maximum width = 120”)

When planning corner desks as below creates undesirable layouts. This also increases planning complexity and is not a recommended planning application.
**single application**

Desks should have a minimum of 42” of space between the front of the desk and back wall or any wall-mounted component.

Example:

![Diagram of single application with desks and measurements.](image)

**back-to-back application**

Desks should have a minimum of 42” of space between the front of the desk and the center of the room to allow for adequate spacing.

Example:

![Diagram of back-to-back application with desks and measurements.](image)
When planning two adjacent desks on a wall run, fascias must be split between the desks.

- Adjacent desks can be centered or justified on their individual fascia modules
- Adjacent desks and wall modules do not have to be the same width increment

Example:

Two 60” Center Desk Modules
The following electrical accessories are available on Landscape desks to provide desktop power and cable routing capabilities. For more details please see Lighting, Electrics & Communications section.

1 **Power Cube (EPWR):**
   • Dual or Quad power cube available with power, USB or data options
   • Available on left or right side of desk
   • Power Cube and Vertical Wire Carrier comes on the same specified location as the switch
   • Appropriate cut out locations must be specified on Desk to accommodate On-desk Accessories

2 **Rectangular grommet (FLGR):**
   • For cables routing to under-desk Power Rod (ELPR)
   • Cut out accommodates Expansion grommet for Mast Monitor Arm
   • Available centered on worksurface if center grommet cut out is specified

3 **Power Rod (ELPR):**
   • For powering permanent devices under the desk (example: Monitors, Docking Stations)
   • Available centered below desk
The following finishes are available on Landscape fixed and height-adjustable desks.

Material and finish options:

1. Worksurface available in:
   - Laminate
   - Flintwood

2. Power Cube (EPWRC) available painted:
   - Foundation
   - Accent
   - Mica

3. Underside finish is Painted (Foundation, Mica) or Clear Anodized
   - Underside components consist of Cantilever legs and Cross Beam
   - If Clear Anodized underside is specified, Cross Beam will be painted Platinum to coordinate with the anodized Cantilever leg

4. Wire Management: Black or Grey depending on underside finish selection:
   - Wire Management for height-adjustable desks is a Vertical Wire Carrier and Wall Port (not shown)
   - Wire Management for Fixed Desks is mounted on the back of the Cantilever leg. (shown)
   - Black Wire Management if underside is specified as:
     - Granite
     - Ebony
     - Anthracite
     - Burnished Bronze
     - Slate
     - Gilded Ash
     - Sepia Bronze
     - Graphite
     - Earth
     - Titanium Grey
   - Grey Wire Management if underside is specified as:
     - Crisp Grey
     - Soft Gris
     - Sand
     - Platinum
     - Very White
     - Clear Anodized

5. Rectangular Grommet (FLGR) available in Foundation (excluding Textured), Mica (excluding Textured) and Accent paint finishes
Landscape elevated cabinets provide a wall-mounted storage solution for temporary or personal storage. Elevated cabinets can be mounted to the 21” high functional rail only.

**Landscape Wall-Mounted Sliding Door Cabinet (FLWCS) / Open Cabinet (FLWCO)**
- Available 16” deep x 15” high
- Can be mounted in front of solid fascias only
- 30” - 60” wide in 6” increments
- Finishes:
  - Case: Seamless, Flintwood, Source Laminate
  - Fronts: Seamless, Flintwood, Source Laminate, Glass (Backpainted or Frosted)
  - Wall Mounting brackets: Painted (Foundation, Mica)
  - Legs painted Ebony

**Fitted Seat Cushion (FLFC)**
- Can be used on Landscape Cabinets as temporary guest seating
- 16” deep and 24” - 60” wide in 6” increments
- Available in Upholstery or COM Fabrics
- Fabric Directionality is railroad
The following should be considered when planning with Landscape Elevated Cabinets.

Multiple Cabinets can be planned on a single datum within one Fascia Module.
Two cabinets side by side can be installed with no gap between them.

When planning with a cabinet that is the same nominal width as the wall module, the cabinet will overhang the fascia edge by 1-1/2mm.

Landscape Elevated Cabinets cannot span across a vertical reveal.
Landscape Cabinets can be installed along the Functional Rail in 1/8" increments on the horizontal reveal.

- Cabinets will align to the edge of the fascia when fully justified left or right on the wall
- Cabinets are only used along the 21" datum
- The Cabinet Working Wall fascia arrangement must be used when using a Landscape cabinet

Planning with a Sliding Door Cabinet in a corner application is not recommended due to difficulties accessing the Corner Cabinet door handle. A minimum gap of 1" is recommended between the side of the Adjacent Cabinet and the Corner Cabinet.
TV Shroud is a Fascia integrated solution for mounting a television in Altos wall system. The following outlines the key concepts behind the TV Shroud.

Clean Aesthetic
• The TV is partially recessed within the cavity of the wall.
• Concealed hardware and cables.

Seamless Technology Integration
• Provides the opportunity for mounting audio-visual equipment within the Shroud Fascia.
• Convenient, easy access for servicing equipment without having to disrupt the workday flow.

ADA compliance
• TV and components can be pushed enough to allow for ADA compliance:
  Not to protrude more than 4” from the wall (depending on TV and Wall mount thickness)
The Shroud consists of the following discrete elements.

TV Shroud Fascia (FFSFA)
- Available in six configurations for 75", 70", 65", 60", 55", 50" TVs (not included)
- Fascia can be placed at 36”-42” AFF in 1” increments
- The Frame is available in a Clear Anodized or Painted Finish. The Fascia backing is available in a Painted Finish.
- Base and Ceiling feed electrical type options
- Fascias around and behind the TV Shroud must be ordered separately

TV Shroud Power Feed (FFSPF)
- Hardwired to the building power supply and brings power to the TV Shroud Distribution Box (FFSDB)
- Can feed power from the ceiling or underfloor
- Available in 72”, 120”, and 240” lengths
- Cannot be routed through Fascias with glass
- Wire System: 4B, 5D, 7G, 8T, 8K

TV Shroud Distribution Box (FFSDB)
- One distribution box can power up to four plug-in items
- It is used to plug TV and other AV items behind the TV Shroud Fascia
- Can be installed with outlets to face right or left
- Wire System: 4B, 5D, 7G, 8T, 8K
- Outlet Configuration: Various options
dimensions

The TV Shroud Fascia is available in the following configurations.

![TV Shroud Configurations](image)

* Extended Height Available. Up to 48" High in 1" increments

- TV Sizes are based on 16:9 aspect ratio, which follows the vast majority of TVs being currently sold.
- When Fascia height is 45" (nominal) or higher, the metal fascia will come in two pieces and with a seam in the middle of the fascia.
- TV size drives the mounting pan sizes. Bigger mounting pan cannot be used to hang smaller TVs.
- Access from the back of the Fascia is not necessary for installation.
- TV mounting pan (Designated Area to hang the TV) is always centered and does not increase when extended height is requested.

components

The TV Shroud consists of the following components:

- **Pre-assembled Frame Fascia**
- **Insulation**
- **TV Mounting Pan**
- **Data Box**

```
Frame Assembly including:
• Horizontals with electrical cutouts
• Internal vertical reinforcements behind the TV shroud
• Internal vertical reinforcements below the TV shroud
• One Floor Channel
```

TV Mounting Pan
Recessed area for mounting the TV bracket and AV equipment

Data Box
Designated area for mounting data (faceplate not included)

Base Feed Position Shown
The following should be considered when specifying the TV Shroud.

planning considerations

1. Determine what size of TV is required for the space being designed.

2. Determine if AV tech support is required - video cameras, speakers, or microphones.

3. The size of the TV will determine which Shroud Fascia dimension should be used. For best aesthetics, select the smallest height available.
   
   If additional AV devices are needed, consider increasing the height of the Shroud Fascia to allow for the AV devices to be installed below or above the TV.
   
   Determine what AFF height will best suit the application that the Shroud will be used for: Lounge, Task, Counter, Bar heights, or other.

4. Specify fascias above and below the TV Shroud. These fascias might need to be customized depending on the application.

5. Specify fascias adjacent to the TV Shroud. Portrait and landscape fascias can be planned next to the shroud.

6. Specify fascias behind the TV shroud. Same datums should be used on the other side of the wall.

7. TV Shroud Power Feed (FFSPF) connects to the building’s junction box (by a certified electrician). Cables are fed from the ceiling or from access floors though cutouts in the ceiling or base channels to the TV Shroud Distribution Box (FFSDB).
The following should be considered when planning with the TV Shroud.

**fascias around the TV Shroud**

The TV Shroud Fascia allows for multiple configurations based on specific TV height requirements. Shroud Fascia size and location should be defined based on ideal viewer height needs as well as smallest possible spacing between the TV and the Shroud.

The Shroud Fascia can be placed in various height locations. The Shroud Fascia does not need to follow the standard Portrait and Landscape datums of 36” and 84” AFF. On those configurations, fascias above and below the TV may need to be customized.

In elevations in which Shroud datums are different than 36” and 84” AFF, adjacent Fascias should be Portrait Monolithic or Full Height. In elevations in which Shroud datums follow 36” and 84” AFF, adjacent Fascias can be any standard Portrait or Landscape wall configuration.

Fascias behind the TV can only be fabric wrapped, solid, Landscape Markerboard Frameless and Framed. Fascias below the TV Shroud can only be fabric wrapped, solid, microperforated and acoustic tackable.

**Shroud elevations with datums different than 36” and 84” AFF:**

- Adjacent to Monolithic configuration
- Adjacent to Full Height configuration
- Custom adjacent datums to match Shroud’s datums

**Shroud elevations with Standard 36” and 84” AFF datums:**

- Shroud elevation with extended height to accommodate for a camera below the TV
- Horizontal datum lines do not align with surrounding fascias
planning with tv shroud (continued)

The following should be considered when planning with the TV Shroud.

addressing the opposite side

• Fascias above and below the Shroud are always landscape as they are dictated by TV width sizes.
• The Fascia on the opposite side of the TV Shroud must follow the same size and datums.

planning with vertical posts

Vertical posts are required to connect the TV Shroud fascia to adjacent fascias.

In elevations in which the TV Shroud datums are different than 36” and 84” AFF, a Working Wall Vertical Post Package (FKVW_4) is required. Please note that inner and/or outer elevations might require on-site fascia clip height reconfiguration. If preconfigured vertical post is preferred, please order special FLKVP to have the clips at required locations on both sides.

In elevations in which Shroud datums follow 36” and 84” AFF, refer to the section Planning with Vertical Post - Landscape for details on which vertical post to order.
planning with tv shroud (continued)

grain and fabric direction

When planning with finishes it is important to note the fabric and grain direction for the fascias surrounding the TV Shroud.

Fascias above and below the Shroud are always landscape as they are dictated by TV width sizes.

When creating compositions that incorporate both portrait and landscape panels special considerations for fabric direction and selection apply.

The fabric direction will vary when mixing landscape and portrait panels, as seen in the example below. Landscape panels have the fabric applied railroad and portrait panels have the fabrics applied off the bolt.

fascias around the TV Shroud

addressing the opposite side
proper ventilation
The Altos TV Shroud is inset inside the wall.

To ensure proper ventilation, and to avoid overheating of the TV, it is important to leave space between the television and the shroud frame. Failing to do so may result in a fire or problems with the TV caused by an increase in internal temperature. A minimum 3” space is recommended. This clearance might also be required to reach a lock strap when removing and installing a TV from a mounting bracket.

selecting a TV
The Shroud supports TVs from 50” to 75”.
48” TV could be used for 50” configuration.
Maximum TV weight allowed is 90 lbs (for 75” TV).

It is recommended that a smaller TV be used for collaboration purposes in small meeting rooms or in private offices. Medium or large TVs are more suitable for lounge applications or applications where groups larger than four people will be collaborating and viewing the TV.

selecting a TV mount
TV Mounts (provided by others) are required to hang the TVs from the TV Shroud Fascia.

• Slim profile mounts are recommended to ensure the TV remains concealed within the Shroud.
• Minimum 2.25” distance must be kept between the back of the TV and the TV mounting pan for power access.
• Retractable mounts are recommended in order to gain better access to the back of the TV as well as AV equipment.
• Retractable mounts should not protrude more than 12” when fully extended. TV mount should only be extended out for data management purpose only, and the TV should be fully retracted when it is being used.

audio visual devices
• Streaming devices can be installed behind the TV, depending on the size of the hardware kits.
• Cameras, microphones or speakers can be installed above or below the TV, depending on the size of the devices. Smaller shrouds can be specified with increased height in those situations.
power routing

- TV and other AV cables can be managed behind the TV.
- The TV Shroud is available in a base feed or ceiling feed condition. The Shroud Fascia can be installed with the power cutout at the bottom for a base feed configuration, or rotated 180° for a ceiling feed configuration.

base feed scenario

Power Distribution Box
- 4 Outlets
- Hardwired
- Can be installed with the outlets facing to the left or facing to the right
- Allows for connecting TV, cameras, speakers, streaming devices.

Power Feed
- Can be installed as base feed or ceiling feed

Powering the TV Shroud
- Electrical connections to the building power supply must be done on-site by a certified electrician
- The TV Shroud components can not be connected with Power data, hardwired components or Landscape Collection Support Electrics
understanding tv shroud

how to order a complete elevation package

Shroud specific items:
• FFSFA x 1 (TV Shroud Fascia)
• FFSPF x 1 (TV Shroud Power Feed)
• FFSDB x 1 (TV Shroud Distribution Box)

Additional items:
• Ceiling Channel
• Verticals: 2x Vertical Post Packages
• Bottom Fascias: 1x Inner side and 1x Outer side
• Top Fascias: 1x Inner side and 1x Outer side
• Fascia opposite from the shroud

Optional items:
• Data Faceplate, provided by others