altos

teknion

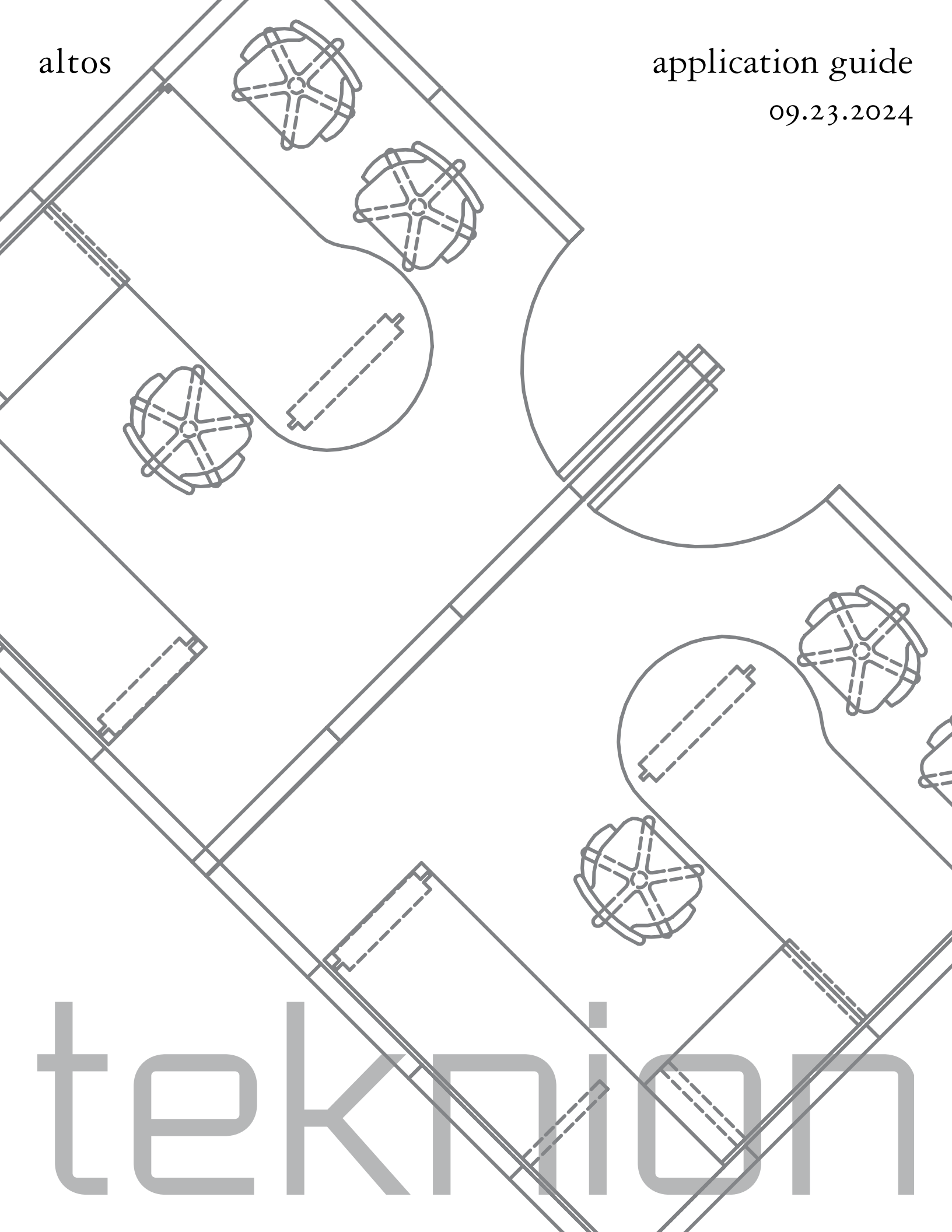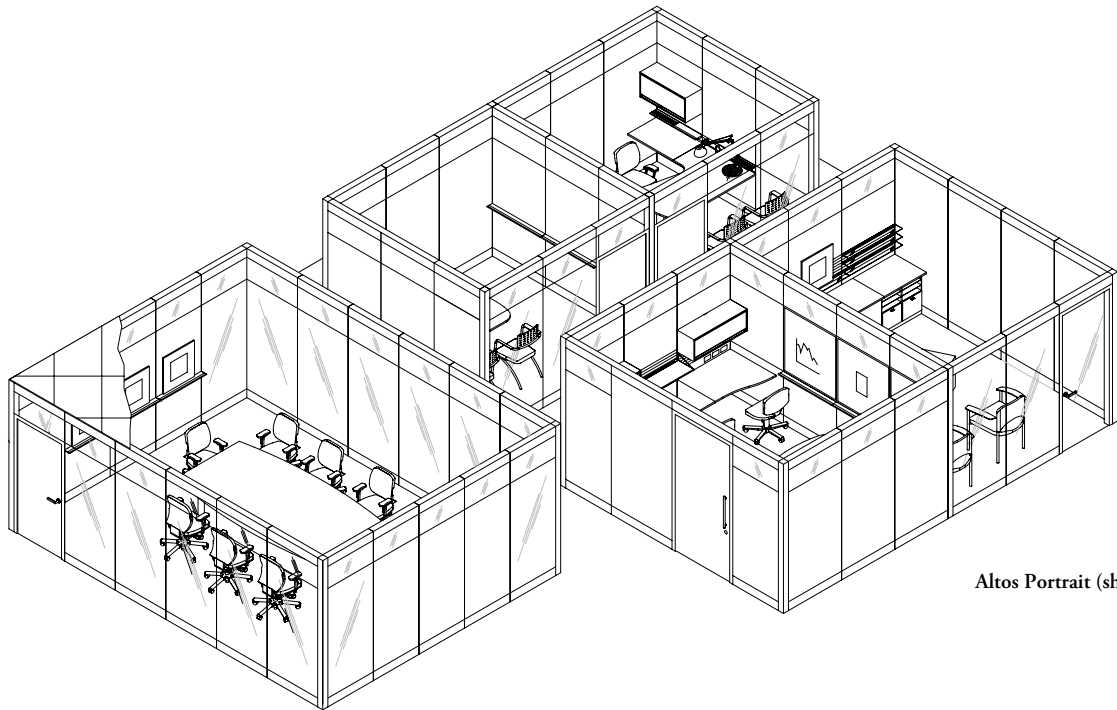what is altos

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

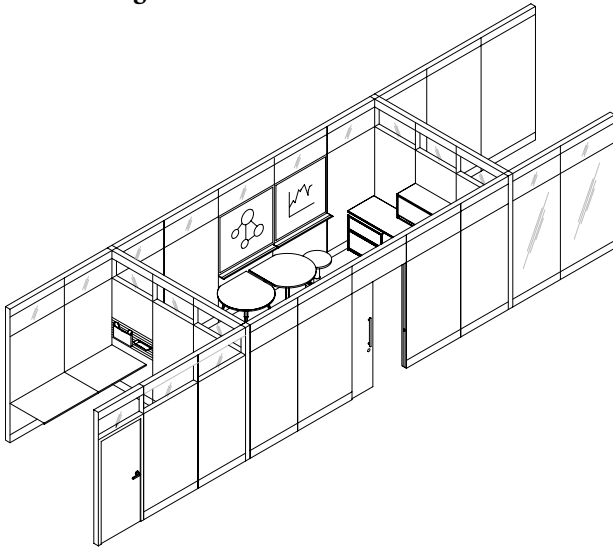- Altos can be simply reconfigured and relocated in a cost-efficient manner as required
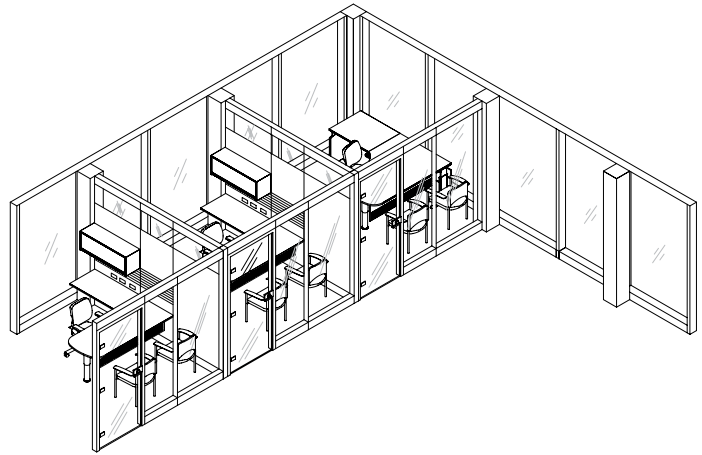
Altos Portrait (shown)

what is altos (continued)
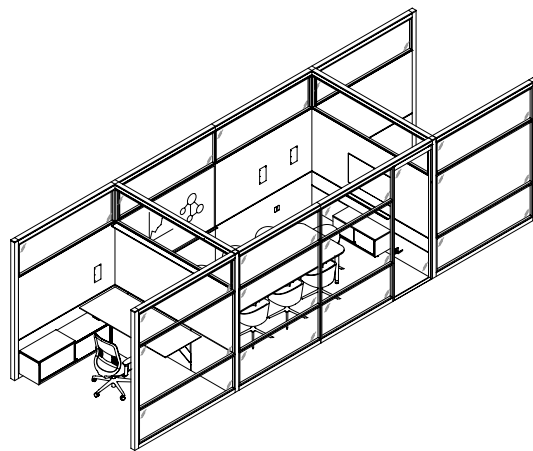
altos portrait

freestanding
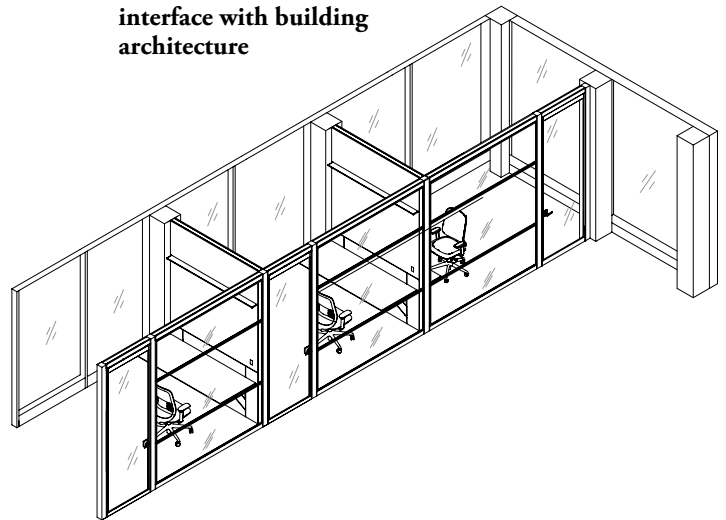
interface with building architecture
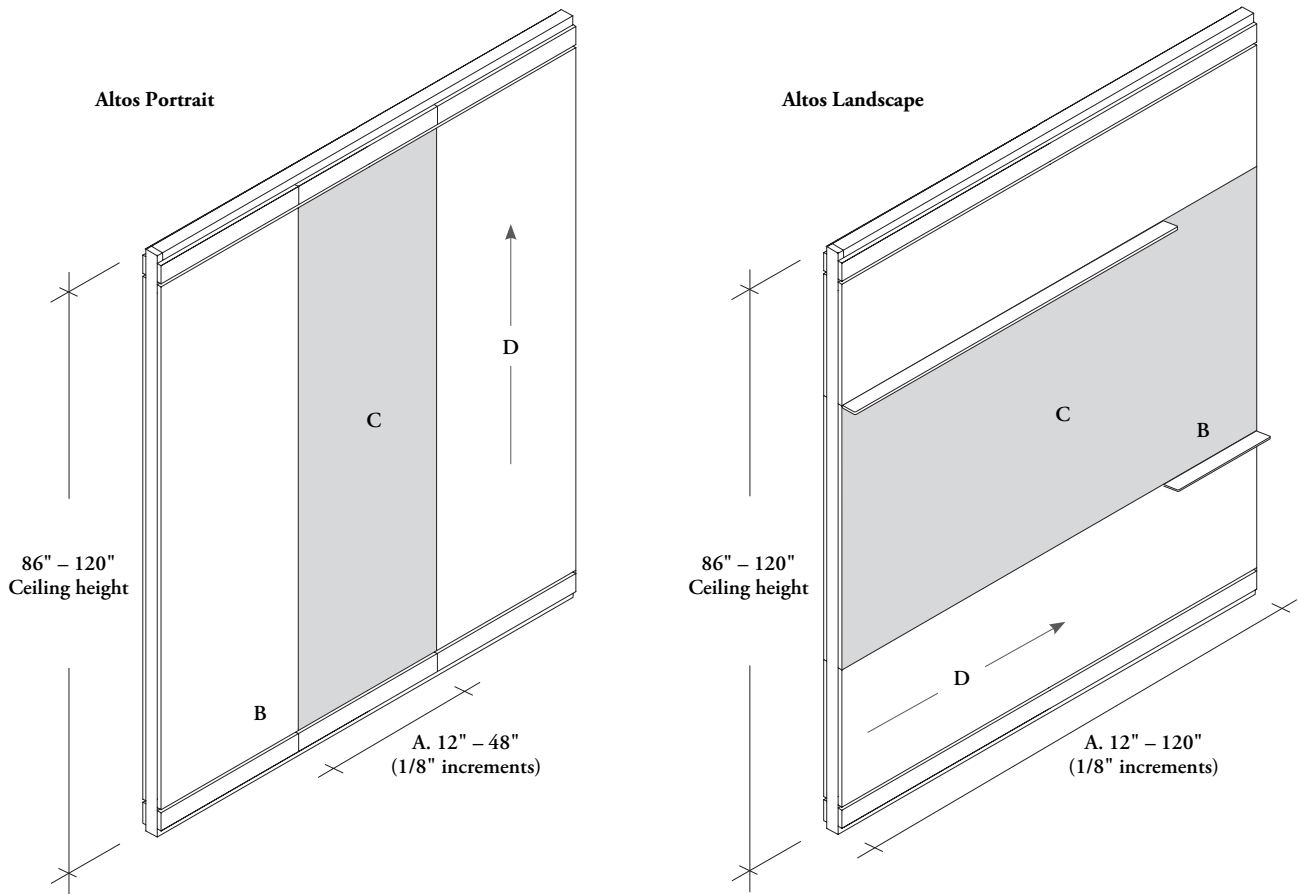

altos landscape

freestanding

interface with building architecture

comparing altos portrait to altos landscape

Altos Portrait frames and fascias span vertically and provide an on-module planning solution for consistent, reconfigurable spaces. Altos Landscape frames and fascias span horizontally and provide an off-module planning solution for more optimized spaces.

The following illustrations demonstrate the distinction between Altos Portrait and Altos Landscape.

Altos Portrait

D

C

B

86" – 120"
Ceiling height

A. 12" – 48"
(1/8" increments)

Altos Landscape

C

B

D

86" – 120"
Ceiling height

A. 12" – 120"
(1/8" increments)

	Altos Portrait	Altos Landscape
Width range	12" - 48" (1/8" increment)	12" - 120" (1/8" increment)
Planning	On-module	Off-module
Acoustics	Enhanced	
Grain Direction	Vertical	Horizontal

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:
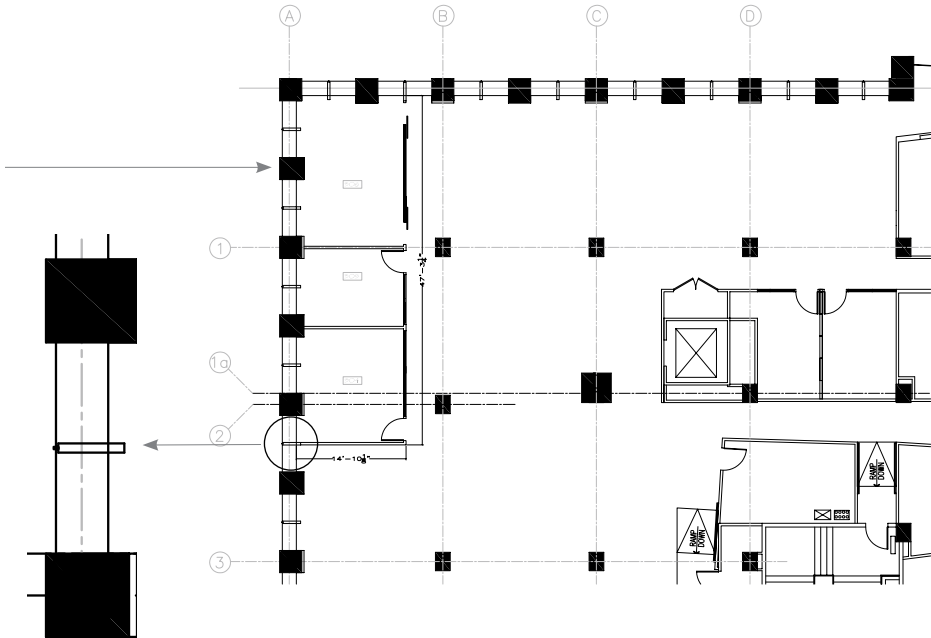
• Dimensioned plan identifying columns, sill conditions, window mullions, etc.

• 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
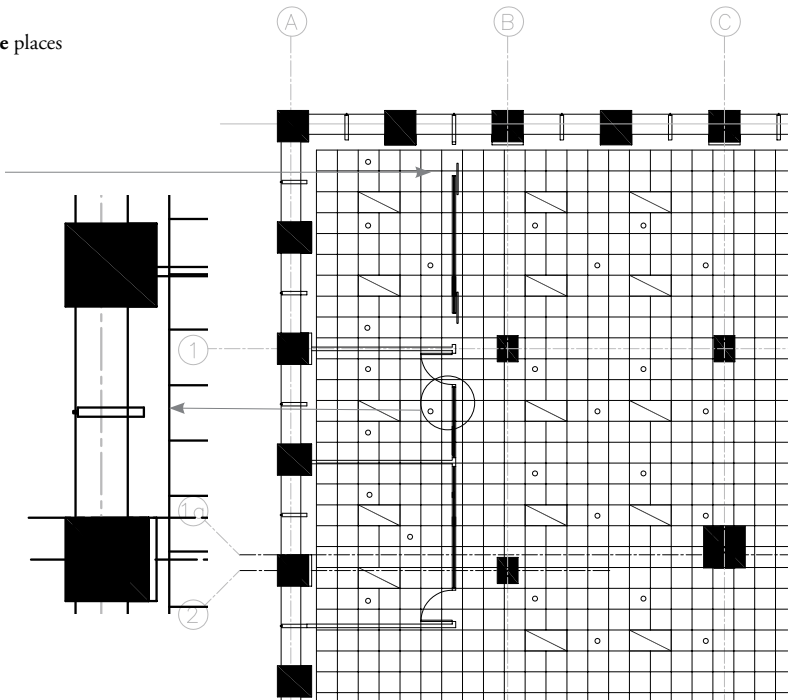
the reflected ceiling plan

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
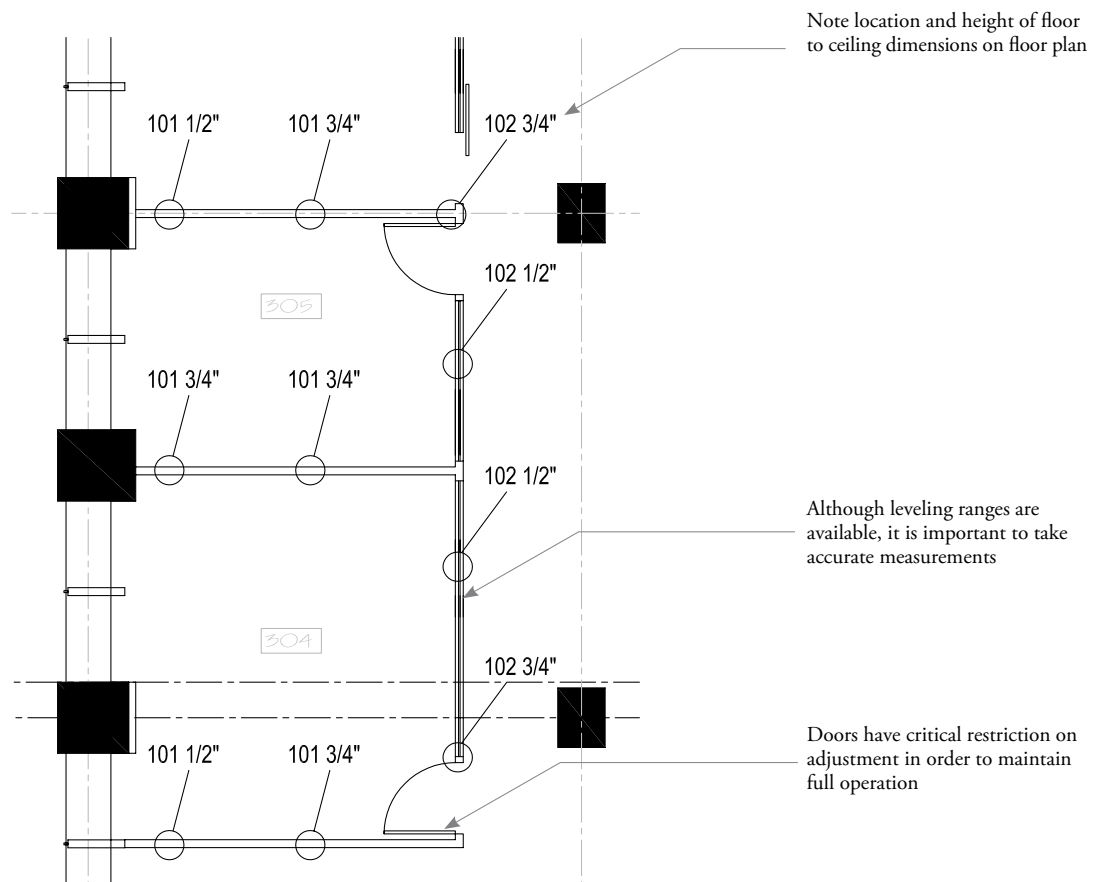
Identify sill and mullion conditions

initial considerations (continued)

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

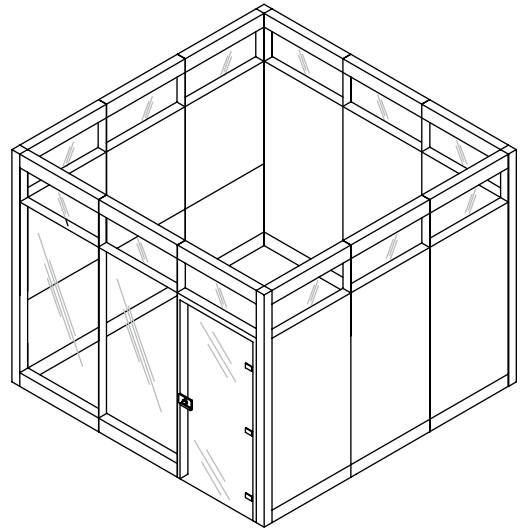• It is better to expand the vertical post levelers rather than compress them

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.

how to specify altos

Step 1 – Fascia & Door Packages

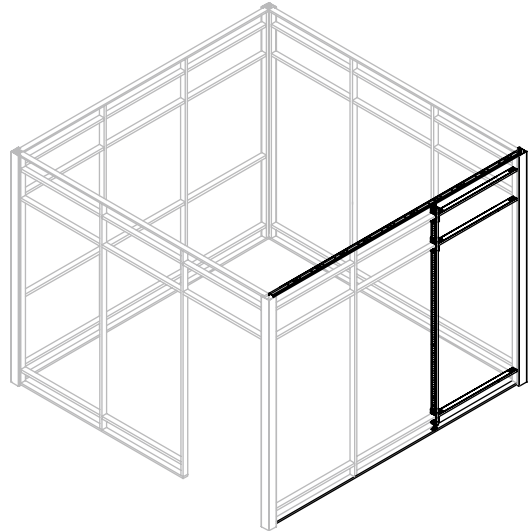Specifying Fascia types and sizes determines the footprint of the Altos office.

• 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

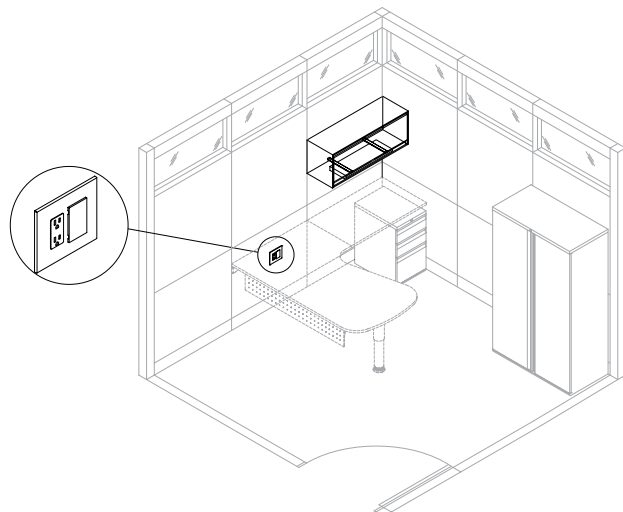Frames are specified to correspond to Fascia specifications.

• 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

how to specify altos (continued)

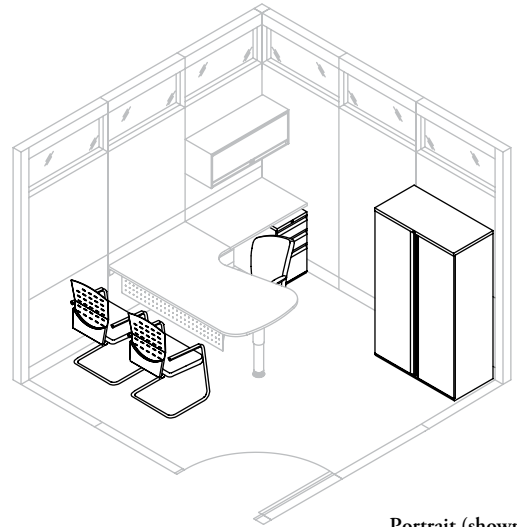## Step 4 – Worksurface & Storage

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)

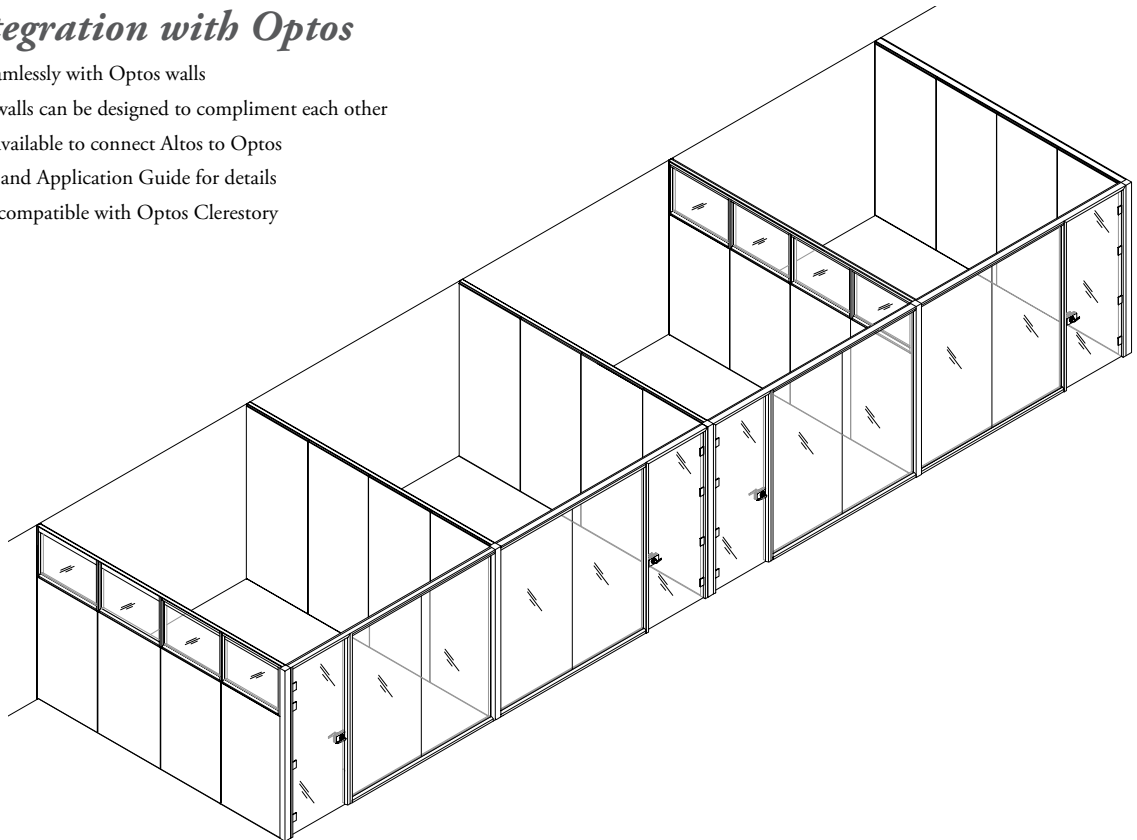• Specify worksurfaces, worksurface supports and storage as appropriate

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

Portrait (shown)

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

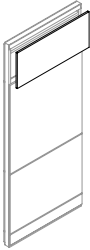application guide

application guide

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)**

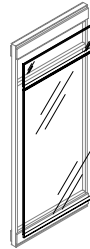Portrait

fascias (continued)

F P W M 3 **Solid Fascia – Working Wall Monolithic (Level III)**

F P G C R **Glass Fascia – Single Centered, Round Corner**
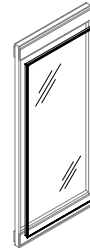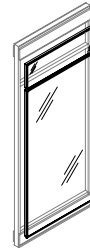
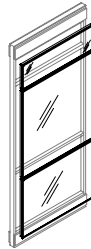Full Wall   Segmented Wall   Working Wall

F P G C S **Glass Fascia – Single Centered, Square Corner**
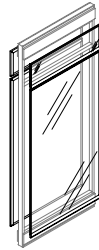
Full Wall   Segmented Wall   Working Wall

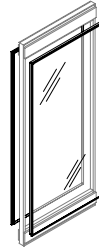**F P G D R** **Glass Fascia – Double, Round Corner**

Full Wall   Segmented Wall   Working Wall

F P G D S **Glass Fascia – Double, Square Corner**

Full Wall   Segmented Wall   Working Wall

F P A M 1 **Acoustic Fascia – Monolithic**

F P A F 1 **Acoustic Fascia – Full**

F P A S 1 **Acoustic Fascia – Segmented (Level I)**

F P A S 2 **Acoustic Fascia – Segmented (Level II)**

F P A S M 1 **Acoustic Fascia – Segmented Monolithic (Level I)**

F P A S M 2 **Acoustic Fascia – Segmented Monolithic (Level II)**

F P A W 1 **Acoustic Fascia – Working Wall (Level I)**

Portrait

fascias (continued)

F P A W 2 Acoustic Fascia – Working Wall (Level II)

F P A W 3 Acoustic Fascia – Working Wall (Level III)

F P A W M 1 Acoustic Fascia – Working Wall Monolithic (Level I)

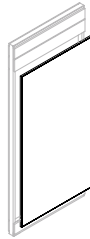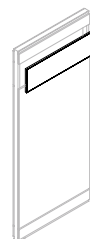**F P A W M 3** Acoustic Fascia – Working Wall Monolithic (Level III)

F P A T M 1 Acoustic Tackable Fascia – Monolithic

F P A T F 1 Acoustic Tackable Fascia – Full Height

F P A T S 1 Acoustic Tackable Fascia – Segmented (Level I)

F P A T S 2 Acoustic Tackable Fascia – Segmented (Level II)

F P A T S M 1 Acoustic Tackable Fascia – Segmented Monolithic (Level I)

F P A T S M 2 Acoustic Tackable Fascia – Segmented Monolithic (Level II)

F P A T W 1 Acoustic Tackable Fascia – Working Wall (Level I)

F P A T W 2 Acoustic Tackable Fascia – Working Wall (Level II)

Portrait

F P A T W 3 **Acoustic Tackable Fascia – Working Wall (Level III)**

F P A T W M 1 **Acoustic Tackable Fascia – Working Wall Monolithic (Level I)**

F P A T W M 3 **Acoustic Tackable Fascia – Working Wall Monolithic (Level III)**

F P M P S 1 **Micro Perforated Metal Acoustic Fascia – Segmented (Level I)**

F P M P S 2 **Micro Perforated Metal Acoustic Fascia – Segmented (Level II)**

F P M P S M 1 **Micro Perforated Metal Acoustic Fascia – Segmented Monolithic (Level I)**

F P M P S M 2 **Micro Perforated Metal Acoustic Fascia – Segmented Monolithic (Level II)**

F P M P W 1 **Micro Perforated Metal Acoustic Fascia – Working Wall (Level I)**

F P M P W 2 **Micro Perforated Metal Acoustic Fascia – Working Wall (Level II)**

F P M P W 3 **Micro Perforated Metal Acoustic Fascia – Working Wall (Level III)**

F P M P W M 1 **Micro Perforated Metal Acoustic Fascia – Working Wall Monolithic (Level I)**

F P M P W M 3 **Micro Perforated Metal Acoustic Fascia – Working Wall Monolithic (Level III)**

Portrait

fascias (continued)

F P M B S 1 Sheet Metal Backer –
Segmented (Level I)

F P M B S 2 Sheet Metal Backer –
Segmented (Level II)

F P M B S M 1 Sheet Metal
Backer – Segmented
Monolithic (Level I)

F P M B S M 2 Sheet Metal
Backer – Segmented
Monolithic (Level II)

F P M B W 1 Sheet Metal Backer
– Working Wall (Level I)

F P M B W 2 Sheet Metal Backer
– Working Wall (Level II)

F P M B W 3 Sheet Metal Backer
– Working Wall (Level III)

F P M B W M 1 Sheet Metal
Backer – Working Wall
Monolithic (Level I)

F P M B W M 3 Sheet Metal
Backer – Working Wall
Monolithic (Level III)

F P R B Fabric Wrapped Base
Fascia

F P R C Fabric Wrapped Ceiling
Fascia

F P R M 1 Fabric Wrapped Fascia
– Monolithic

F P R F 1   Fabric Wrapped Fascia – Full

F P R S 1   Fabric Wrapped Fascia – Segmented (Level I)

F P R S 2   Fabric Wrapped Fascia – Segmented (Level II)

F P R S M 1   Fabric Wrapped Fascia – Segmented Monolithic (Level I)

F P R S M 2   Fabric Wrapped Fascia – Segmented Monolithic (Level II)

F P R W 1   Fabric Wrapped Fascia – Working Wall (Level I)

F P R W 2   Fabric Wrapped Fascia – Working Wall (Level II)

F P R W 3   Fabric Wrapped Fascia – Working Wall (Level III)

F P R W M 1   Fabric Wrapped Fascia – Working Wall Monolithic (Level I)

F P R W M 3   Fabric Wrapped Fascia – Working Wall Monolithic (Level III)

F P M A   Smart Fascia – Accessory

F P M W   Smart Fascia – Whiteboard

Portrait

fascias (continued)

F P M T   Smart Fascia – Tackable

F P M M F   Framed Backpainted Glass Markerboard

F P M M F D   Portrait Framed Backpainted Glass Markerboard Double Span

F F F K   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 T W 1   Landscape Solid Fascia – Working Wall Top (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 T W 2   Landscape Solid Fascia – Working Wall Top (Level II)

Landscape

fascias (continued)

F L R B Landscape Fabric Wrapped Base Fascia

F L R C Landscape Fabric Wrapped Ceiling Fascia

F L R W 1 Landscape Fabric Wrapped Fascia (Level I)

F L R W 2 Landscape Fabric Wrapped Fascia (Level II)

F L R W 3 Landscape Fabric Wrapped Fascia (Level III)

F L R W M 1 Landscape Fabric Wrapped Fascia – Working Wall Monolithic (Level I)

F L R W M 3 Landscape Fabric Wrapped Fascia – Working Wall Monolithic (Level III)

F L R B W 1 Landscape Fabric Wrapped Fascia – Working Wall Bottom (Level I)

F L R T W 1 Landscape Fabric Wrapped Fascia – Working Wall Top (Level I)

F L R B W M 1 Landscape Fabric Wrapped Fascia – Working Wall Monolithic Bottom (Level I)

F L R B W 2 Landscape Fabric Wrapped Fascia – Working Wall Bottom (Level II)

F L R T W 2 Landscape Fabric Wrapped Fascia – Working Wall Top (Level II)

Landscape

fascias (continued)

Landscape

F L A T W 1 Landscape Acoustic Tackable Fascia (Level I)

F L A T W 2 Landscape Acoustic Tackable Fascia (Level II)

F L A T W 3 Landscape Acoustic Tackable Fascia (Level III)

F L A T B W 1 Landscape Acoustic Tackable Fascia – Working Wall Bottom (Level I)

F L A T T W 1 Landscape Acoustic Tackable Fascia – Working Wall Top (Level I)

F L A T B W 2 Landscape Acoustic Tackable Fascia – Working Wall Bottom (Level II)

F L A T T W 2 Landscape Acoustic Tackable Fascia – Working Wall Top (Level II)

F L M P W 1 Landscape Micro Perforated Sheet Metal Fascia (Level I)

F L M P W 3 Landscape Micro Perforated Sheet Metal Fascia (Level III)

F L M P B W 1 Landscape Micro Perforated Metal Acoustic Fascia – Working Wall Bottom (Level I)

F L M P T W 1 Landscape Micro Perforated Metal Acoustic Fascia – Working Wall Top (Level I)

F L M P B W 2 Landscape Micro Perforated Metal Acoustic Fascia – Working Wall Bottom (Level II)

fascias (continued)

F L M P T W 2 Landscape Micro Perforated Metal Acoustic Fascia – Working Wall Top (Level II)

F L M B W 1 Landscape Metal Backer – Working Wall (Level I)

F L M B W 3 Landscape Metal Backer – Working Wall (Level III)

F L M B B W 1 Landscape Metal Backer Bottom (Level I)

F L M B T W 1 Landscape Metal Backer Top (Level I)

F L M B B W 2 Landscape Metal Backer Bottom (Level II)

F L M B T W 2 Landscape Metal Backer Top (Level II)

F L M W N Landscape Markerboard Frameless

F L M M F Landscape Markerboard Framed

F L F K Landscape Aluminum Fascia Kit

F L G C Landscape Glazed Fascia Single Centered

F L G D Landscape Glazed Fascia Double

Landscape

fascias (continued)

F L D F W 1 Landscape Fixed Desk Fascia (Level I)

F L D F W M 1 Landscape Fixed Desk Fascia – Working Wall Monolithic (Level I)

F L D H W 1 Landscape Height-Adjustable Desk Fascia (Level I)

F L D H W M 1 Landscape Height-Adjustable Desk Fascia – Working Wall Monolithic (Level I)

F L J B Landscape Justified Base Fascia

F L J C Landscape Justified Ceiling Fascia

F L J W 2 Landscape Justified Solid Fascia – Working Wall (Level II)

F L J W 3 Landscape Justified Solid Fascia – Working Wall (Level III)

F L J W M 3 Landscape Justified Solid Fascia – Working Wall Monolithic (Level III)

F L J B W 2 Landscape Justified Solid Fascia – Working Wall Bottom (Level II)

F L J T W 2 Landscape Justified Solid Fascia – Working Wall Top (Level II)

F L J R B Landscape Justified Fabric Wrapped Base Fascia

Landscape

fascias (continued)

F L J R C Landscape Justified Fabric Wrapped Ceiling Fascia

F L J R W 2 Landscape Justified Fabric Wrapped Fascia – Working Wall (Level II)

F L J R W 3 Landscape Justified Fabric Wrapped Fascia – Working Wall (Level III)

F L J R W M 3 Landscape Justified Fabric Wrapped Fascia – Working Wall Monolithic (Level III)

F L J R B W 2 Landscape Justified Fabric Wrapped Fascia – Working Wall Bottom (Level II)

F L J R T W 2 Landscape Justified Fabric Wrapped Fascia – Working Wall Top (Level II)

F L J A T W 2 Landscape Justified Acoustic Tackable Fascia – Working Wall (Level II)

F L J A T W 3 Landscape Justified Acoustic Tackable Fascia – Working Wall (Level III)

F L J A T B W 2 Landscape Justified Acoustic Tackable Fascia – Working Wall Bottom (Level II)

F L J A T T W 2 Landscape Justified Acoustic Tackable Fascia – Working Wall Top (Level II)

F L J M P B W 2 Landscape Justified Micro Perforated Metal Acoustic Fascia Bottom (Level II)

F L J M P T W 2 Landscape Justified Micro Perforated Metal Acoustic Fascia Top (Level II)

Landscape

fascias (continued)

F L J M P W 3 Landscape Justified Micro Perforated Metal Acoustic Fascia (Level III)

F L J M B B W 2 Landscape Justified Metal Backer Bottom (Level II)

F L J M B T W 2 Landscape Justified Metal Backer Top (Level II)

F L J M B W 3 Landscape Justified Metal Backer (Level III)

F L J M W N Landscape Justified Markerboard Frameless

F L J M M F Landscape Justified Markerboard Framed

Landscape

fascias (continued)

F P F Filler Panel

F K C N 9 0 Two–Way 90˚
Corner Cover

F K C N 1 2 0 Two–Way 120˚
Corner Cover

F K C N 1 3 2 Two–Way 135˚
Corner Cover

F K C N 1 3 3 Three–Way 135˚
Corner Cover

F K C N 1 8 0 Three–Way 180˚
Corner Cover

doors

F D S S Z L Solid Hinged Door LP Leaf Single	**F D S N Z L** Solid Hinged Door LP Leaf with Glass Insert Single	**F D S G Z L** Glass Hinged Door LP Leaf Single

F D D S Z L Solid Hinged Door LP Leaf Double	**F D D N Z L** Solid Hinged Door LP Leaf with Glass Insert Double	**F D D G Z L** Glass Hinged Door LP Leaf Double

F D S S H L Solid Hinged Door Leaf Single	**F D S N H L** Solid Hinged Door Leaf with Glass Insert Single	**F D S G H L** Glass Hinged Door Leaf Single

F D D S H L Solid Hinged Door Leaf Double	**F D D N H L** Solid Hinged Door Leaf with Glass Insert Double	**F D D G H L** Glass Hinged Door Leaf Double

Leaves

doors (continued)

Leaves

F D S G P L   **Glass Pivot Door LP Leaf Single**

F D S G S L   **Glass Sliding Door Leaf Single**

F D S S S L   **Solid Sliding Door Leaf Single**

F D S N S L   **Solid Sliding Door Leaf with Glass Insert Single**

F D D G S L   **Glass Sliding Door Leaf Double**

Jambs and Rails

F D S S Z F   **Solid Hinged Door LP Jamb Kit Single**

F D S G Z F   **Glass Hinged Door LP Jamb Kit Single**

F D D S Z F   **Solid Hinged Door LP Jamb Kit Double**

F D D G Z F   **Glass Hinged Door LP Jamb Kit Double**

F D S S H F   **Solid Hinged Door Jamb Kit Single**

F D S G H F   **Glass Hinged Door Jamb Kit Single**

doors (continued)

Jambs and Rails

F D D S H F **Solid Hinged Door Jamb Kit Double**	**F D D G H F** **Glass Hinged Door Jamb Kit Double**	**F D S G P F** **Glass Pivot Door LP Jamb Kit Single**
F D S G S J **Glass Sliding Door Jamb Kit Single**	**F D S S S J** **Solid Sliding Door Jamb Kit Single**	**F D D G S J** **Glass Sliding Door Jamb Kit Double**
F D S S S R **Sliding Door Rail Single**	**F D D S S R** **Sliding Door Rail Double**	

Handles

F D H S S **Door Handle Schlage S Series**	**F D H S X** **Door Handle Schlage ALX Series**	**FD H S L** **Door Handle Schlage L Series**

doors (continued)

F D S C P **Door Handle Ceiling Pull**

F D S F P **Door Handle Floor Pull**

F D S L P **Door Handle Linear Pull**

F F K K **Control Key**

Handles

frame kits & components

F K N   Ceiling Channel

Xpress

F K C   Base Channel – Continuous

Xpress

F K P   Ceiling Clips

Xpress

F P K K   Horizontal Rail

F P K H   Horizontal Rail Packages

Xpress

F K V   Vertical Post Packages

Xpress

F K W   Wall Start

Xpress

F P K W   Adjustable Wall Start

Xpress

F K E   Adjustable Wall End

F K W A   Variable Angle Wall Start

F K F   Wall Finished End

F K C H   Hardware for Altos Corner Connections

frame kits & components (continued)

F K C 4   Four-Way Connection

F K C A 2   Articulating Two-Way Corner

F K C A 3   Articulating Three-Way Corner

F K M 3   Three-Way 180° Module Connection

F K J   Wall Gasket

Xpress

F K J C   Vertical Reveal Corner Kit

On-Module   Off-Module

F T T   Installation Tools

F B G   Horizontal Grommet

Male Connector
Insertion Tool

Reveal Wire
Management
Insertion Tool

Horizontal Field
Cut Kit

Fascia Removal
Tool

Foam
Tape (1)

Foam
Tape (2)

Drill Stop
Assembly

Jig To Drill Fascias
in the Field

F A I   Recycled Cotton Insulation

F B B   Base Leveler

F B E   Horizontal End Cap

frame kits & components (continued)

F B N   Horizontal Connector Bolt

F B F M   Fascia Connector – Male

F B F F   Fascia Connector – Female

F K L   Fascia Lock

F P K B   Base Channel – Modular

F L K F   Landscape Functional Rail Kit

F L K H   Landscape Horizontal Rail Package

F L K V   Landscape Vertical Post Package

F L K V P   Landscape to Portrait Vertical Post Package

F L K W   Landscape Adjustable Wall Start

F L D F   Landscape Desk Frame

tek pier – portrait

F K T K P   Frame Assembly for Tek Pier

F F M T K P   Monolithic Fascia

F F F T K P   Full Fascia Kit

F F S T K P   Segmented Fascia Kit

F F S M T K P   Segmented Monolithic Fascia Kit

F F C B T K P   4" Base and Ceiling Fascia Kit for Tek Pier (Opposite Side)

T K P 1   Tek Pier Assembly 1

T K P 2   Tek Pier Assembly 2

T K P A   Spade Top Worksurface

T K P B   Pie Top Worksurface

T K P C   Wedge Top Worksurface

F F S F A   TV Shroud Fascia

F F S P F   TV Shroud Power Feed

F F S D B   TV Shroud Distribution Box

lighting, electrics & communications

E L S   Light Switch

E R M   Receptacle Module

E C M   Communications Module

E F C C   Fascia Cover Cap

Hardwire

E P D M C   Power Data Vertical Module – Communication

E P D M S   Power Data Vertical Module – Single

E P D M D   Power Data Vertical Module – Double

E P D M T   Power Data Vertical Module – Triple

E P D M Q   Power Data Vertical Module – Quad

E P D H C   Power Data Horizontal Module – Communication

Power Data

lighting, electrics & communications (continued)

E P D H S **Power Data Horizontal Module – Single**

E P D H D **Power Data Horizontal Module – Double**

E P D S C **Power Data Starter Cable**

E P D C H **Power Data Connecting Harness**

E P D I C **Power Data Inline Connector**

E P D D B **Power Data Four-Way Splitter**

E L W M P S **Portrait Wall-Mounted Light – Single**

E L W M P D **Portrait Wall-Mounted Light – Double**

Power Data

Portrait

lighting, electrics & communications (continued)

Landscape

E L W M L Landscape Wall-Mounted Light

E L P F Light Power Feed

E L W D B In-Wall Distribution Box

E L D H Landscape Desk Connecting Harness

E L W M G Landscape Light Wire Management

E C F   Ceiling/Underfloor Feed

Power Accessories

E L P R Power Rod

page 937

E P W R C Power Cube

page 938

E P W R H Power Cube, High Capacity

page 939

mounted storage & accessories

F M C H   Coat Hook   **F M A H   Art Hook**   **F M O S   Office Signage**

KT   Touch-Up Kits   **FLON   On-Module Cantilever**

Small Brushes (KT100)   Edge Banding (KT500)   Crayon (KT401)   Marker (KT402)   Filler Panel Edge Kit (KT600)   Right   Left

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TLFL   Fixed Height Gable   **FLCB   On-Module Corner Bracket**

Left   Right

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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

portrait overview

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

freestanding

interface with building architecture

planning possibilities – private office

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 worksurface 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

planning possibilities – boardroom

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

planning possibilities – training room

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

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

fascia elevation overview (continued)

	Possible Configurations
Monolithic Elevation	**Monolithic Fascias (M1):** • Provides a single Fascia from floor-to-ceiling • No Base or Ceiling Fascia
Full Elevations	**Full Fascias (F1):** • One surface Fascia between the 4" or 6" Base and Ceiling Fascias
Segmented Elevations	**Segmented Fascias (S1, S2):** • Two surface Fascias between the 4" or 6" Base and Ceiling Fascias **Segmented Monolithic Fascias (SM1, SM2):** • These Fascias incorporate the 4" or 6" Base or Ceiling Fascia
Working Wall Elevations	**Working Wall Fascias (W1, W2, W3):** • Three surface Fascias between the 4" or 6" Base and Ceiling Fascias • Accommodates Smart Fascias **Working Wall Monolithic Fascias (WM1, WM3):** • These Fascias are used in conjunction with W2 Fascias and incorporate the 4" or 6" Base or Ceiling Fascia
Base Fascia and Ceiling Fascia	**Base Fascias:** • Provides a solid flush finish at the bottom of a wall elevation • Accommodates base electrics and communications option • Two cut outs cannot be specified for Fascias less then 21" wide • Three cut outs cannot be specified for Fascias less than 30" wide • Can not be used with Monolithic Fascias **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".

| Monolithic | Full | Segmented | Segmented Monolithic | Working Wall | Working Wall Monolithic |

Product Code	Fascia Description	M1	F1	S1	S2	SM1	SM2	W1	W2	W3	WM1	WM3
		Fascia Height Calculation (inch)										
		X"=CH	X"=CH-8	80	X"=CH-88	84	X"=CH-84	32	48	X"=CH-88	36	X"=CH-84
		Fascia Height Range (inch)										
FP_	Solid	86-120	74-112		6-32	84	6-36				36	6-36
FPGCR_	Single Glass, Round Corner											
FPGCS_	Single Glass, Square Corner	n/a	06-112		6-32	n/a	n/a			6-32	n/a	n/a
FPGDR-	Double Glass, Round Corner											
FPGDS_	Double Glass, Square Corner			80				32				
FPA_	Acoustic	86-120	74-112				8-36					8-36
FPAT_	Acoustic Tackable				12-32	84				12-32	36	
FPMP_	Micro Perforated Metal Acoustic	n/a	n/a				12-36		48			12-36
FPMB_	Sheet Metal Backer											
FPR_	Fabric Wrapped	86-120	74-112		6-32		6-36			6-32		6-36
FPMA_	Smart Accessories											
FPMT_	Smart Tackable											
FPMW_	Smart Whiteboard	n/a	n/a	n/a	n/a	n/a	n/a	n/a		n/a	n/a	n/a
FDMMF_	Framed Backpainted Glass											
FPMMFD_	Framed Backpainted Glass, Double											
FFFK	Aluminum	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".

| Monolithic | Full | Segmented | Segmented Monolithic | Working Wall | Working Wall Monolithic |

Product Code	Fascia Description	M1	F1	S1	S2	SM1	SM2	W1	W2	W3	WM1	WM3
		Fascia Height Calculation (inch)										
		X"=CH	X"=CH-12	78	X"=CH-90	84	X"=CH-84	30	48	X"=CH-90	36	X"=CH-84
		Fascia Height Range (inch)										
FP	Solid	86-120	74-112	78	6-32	84	6-36	30	48	6-32	36	6-36
FPGCR	Single Glass, Round Corner	n/a	06-112		6-32	n/a	n/a			6-32	n/a	n/a
FPGCS	Single Glass, Square Corner											
FPGDR	Double Glass, Round Corner											
FPGDS	Double Glass, Square Corner											
FPA	Acoustic	86-120	74-112				8-36					8-36
FPAT	Acoustic Tackable											
FPMP	Micro Perforated Metal Acoustic	n/a	n/a		12-32	84	12-36		48	12-32	36	12-36
FPMB	Sheet Metal Backer											
FPR	Fabric Wrapped	86-120	74-112		6-32		6-36			6-32		6-36
FPMA	Smart Accessories	n/a	n/a	n/a	n/a	n/a	n/a	n/a		n/a	n/a	n/a
FPMT	Smart Tackable											
FPMW	Smart Whiteboard											
FDMMF	Framed Backpainted Glass											
FPMMFD	Framed Backpainted Glass, Double											
FFFK	Aluminum	86-120							n/a			

specifying fascias widths

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

Fascia	Widths	Fascia	Widths
Base Fascia (FPB)	12" – 48"	**Ceiling Fascia (FPC)**	12" – 48"
Fabric Wrapped Base Fascia (FPRB)	12" – 48"	**Fabric Wrapped Ceiling Fascia (FPRC)**	12" – 48"
Solid Fascia – Monolithic, Full, Segmented, Working (FPM, FPF, FPS, FPSM, FPWM, FPW)	12" – 48"	**Glass Fascia – Single Center, Double (FPG)**	12" – 48"
Acoustic Fascia – Monolithic, Full, Segmented, Working (FPAM, FPAF, FPAS, FPAW, FPASM, FPAWM)	12" – 48"	**Fabric Wrapped Fascia – Monolithic, Full, Segmented, Working (FPRM, FPRF, FPRS, FPRSM, FPRW, FPRWM)**	12" – 48"
Smart Fascia – Accessory, Whiteboard, Tackable, Framed Backpainted Glass Markerboard (FPMA, FPMW, FPMT, FPMMF)	30" – 48"	**Framed Backpainted Glass – Markerboard Double Span (FPMMFD)**	24" – 96"

Micro Perforated Metal Acoustic Fascia - Segmented, Working — 12" – 44"
(FPMPS1, FPMPS2, FPMPSM1, FPMPSM2, FPMPW1, FPMPW2, FPMPW3, FPMPWM1, FPMPWM3)

planning with fascia widths

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" (Sliding 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

planning with acoustic & fabric wrapped fascias

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.

Working Wall Monolithic

training room

Ceiling and Base Fascias are available fabric wrapped only

Working wall

IMPORTANT:

Acoustic fascias have a backer that sits within the wall cavity and therefore cannot span any internal framework (horizontals/verticals).

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.

Working Wall Monolithic

meeting room

private office

smart fascia basics

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

Whiteboard (FPMW)
- Provides a dry erasable 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)

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

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

Smart Fascia – Tackboard (FPMT)

Tackboards used in a private office

Smart Fascia – Accessory (FPMA)

Accessory Rail used in a private office

Smart Fascia – Whiteboard (FPMW), Framed Backpainted Glass – Markerboard (FPMMF)

Whiteboards used in a meeting area

Framed Backpainted Glass – Markerboard Double Span (FPMMFD)

Whiteboards used in meeting area spanning across two panels.

filler panel basics

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.

Height	Ceiling Height Range
102" (8'-6")	86" to 102" (7'-2" to 8'-6")
108" (9'-0")	103" to 108" (8'-7" to 9'-0")
114" (9'-6")	109" to 114" (9'-1" to 9'-6")
120" (10'-0")	115" to 120" (9'-7" to 10'-0")

Filler Panel

Filler Panel (FPF)

- 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

86" – 120" ceiling height

Bulkhead area removed

Cut outs made on site

Base Area Removed

24" or 30" w

Bulkhead
Area Removed

Filler Panel Kit

Base
Area Removed

24" – 30"

fascia finishes - portrait

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

The illustration above demonstrates the grain direction of Cathedral Flintwood finishes for fascias.

The illustration above demonstrates the grain direction of Standard Flintwood finishes for 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

The illustration above demonstrates the Railroad fabric direction for Fabric Wrapped fascias.

The illustration above demonstrates the Off-the-bolt fabric direction for Fabric Wrapped fascias.

Framed Backpainted Glass – Markerboard Fascias
- Available 24" - 48" wide nominal in 1/8" increments
- Available magnetic or non-magnetic
- Frame finishes include:
  - Anodized
  Painted
  - Soft Black
  - Platinum
  - Warm Nickel
  - Mulled Wine
  - Boreal
  - Ocean Abyss
- 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 - portrait (continued)

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

• Optional sheet metal backer can be specified to improve STC rating

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.

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

• Available in painted finishes:

  - Soft Black
  - Platinum
  - Warm Nickel
  - Mulled Wine
  - Boreal
  - Ocean Abyss

• Optional sheet metal backer can be specified to improve STC rating.

fascia finishes - portrait (continued)

Glass Fascias - Single

• Available in 6mm Glass

• Glass Fascias are available in Square and Round Profiles

• Available 6" - 12" high in 1" increments

• Glass options: Tempered or Laminated
  - Tempered Glass Finish: Clear
  - Laminated Glass Finish: Clear, 80% Cool White, 65% White, Polar White

• Available 12" - 48" wide nominal in 1/8" increments

• Frame Finishes include
  - Anodized
  - Painted

• Electrical boxes and switches are not available on glass fascias

Level W2
(48" High)

**Working Wall
elevation shown**

Round Profile   **Square Profile**

Glass Fascias - Double

• Available in double layer of 6mm Glass

• Glass Fascias are available in Square and Round Profiles

• Available 6" - 12" high in 1" increments

• Glass options: Tempered or Laminated
  - Tempered Glass Option:
    - Both panes will be tempered
    - Glass Finish: Clear, Ceramic Frit
      - When Clear is specified, both panes of glass will be clear
      - When Ceramic Frit is specified, only outer glass will be ceramic frit, the inner stays clear
  - Laminated Glass Option:
    - Inner pane will be tempered glass, outer will be laminated glass
    - Glass Finish: Clear

• Available 12" - 48" wide nominal in 1/8" increments

• Frame Finishes include
  - Anodized
  - Painted

• Electrical boxes and switches are not available on glass fascias.

Level W2
(48" High)

**Working Wall
elevation shown**

Round Profile   **Square Profile**

fascia finishes - portrait (continued)

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

| Base and Ceiling Fascia | Three-Way 180° | Two-Way 90° | 6" Fascia | articulating corner |

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)

	Monolithic	Full	Segmented				Working Wall					Ceiling Fascia	Base Fascia
	M1	F1	S1	S2	SM1	SM2	W1	W2	W3	WM1	WM3		
Solid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Acoustic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Acoustic Tackable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Fabric Wrapped	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glass *1		✓	✓	✓			✓	✓	✓				
Framed Backpainted Glass Markerboard *2								✓ *2					
Smart Fascia Accessory								✓					
Smart Fascia Whiteboard								✓					
Smart Fascia Tackable								✓					
Sheet Metal Backer			✓	✓	✓	✓	✓	✓	✓	✓	✓		
Micro Perforated Metal			✓	✓	✓	✓	✓	✓	✓	✓	✓		
Aluminum												✓	✓

*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 – frame kits & components

portrait – frame kits & components

frame kit overview

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, FKC4, 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.

Vertical Post Package (FKV)

Ceiling Channel (FKN),
Ceiling Clips (FKP)

Wall Gasket (FKJ)

Horizontal Rail Package (FPKH)

Wall Gasket (FKJ)

Door Frame Kit (FDSSHF) (shown)

Also Available:
FDDSHF, FDDGZF, FDDGHF, FDDSZF, FDSGHF, FDSGPF, FDSSZF, FDSGZF

Base Channel Continuous (FKC)

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

Adjustable Wall End (FKE)

Drywall or Building Perimeter

Wall Start (FKW/FPKW)

Drywall or Building Perimeter

Wall Finished End (FKF)

Variable Angle Wall Start (FKWA)

ceiling & base channel basics

A Ceiling Channel is required over entire wall run, including 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 Clip Upper

Ceiling Clip Lower

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

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 Kit (FKJC)

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

Horizontal Rail Package (FPKH)

- Consist of horizontal rails and one Base Channel – Modular (FPKB)

- Horizontal 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 both Solid and Glass Fascias

- **Must** specify base and ceiling fascia height being used

- When the 4" fascia is specified, female mounting clips are installed on the Horizontal Rail. When the 6" fascia is specified then female clips are mounted on the Vertical Posts

12", 18", 24", 30", 40", 42", 48" and in 1" increments from 12" - 48"

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

10'-3/8"

10'-8-3/8"

10'-8-3/8"

10'-3/8"

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

Ceiling Channel

Power and Communications Feed

Base Channel (FKC)

- Horizontal frame work of all wall assemblies

- 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 10" widths only

planning with ceiling clips

The following should be considered when planning with Ceiling Clips.

Ceiling Profile	Ceiling Clip	Ceiling Profile	Ceiling Clip
5/16" 9/16"	FKP1 + FKP3	5/16" 9/16"	FKP5
5/16" 15/16"	FKP2 + FKP3	5/16" 9/16"	FKP5
9/16"	FKP1	5/16" 9/16"	FKP5
15/16"	FKP2	5/16" 9/16"	FKP5

• 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

vertical post basics

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

Hold Fascias in place to finish the surface and provide space division

Accept horizontal rails to complete the frame structure

Slots are punched into the face of the vertical post to accept hang on products such as worksurfaces or storage

Two cut outs near the bottom of the post are provided for electrics and communications pass-through

Allows horizontal pass through for electrics (total of 6 jumpers) and communications

Vertical Post Package (FKV)

Base Leveler

Connector Bolt

Fascia Connector

Vertical Post

Base Leveler

1" increments between 86" and 120"

FKVG: No fascia clips

FKVF: For Monolithic and Full Elevations

FKVS: For Segmented Elevations, regardless if a base or a ceiling fascia is used or not.

FKVW: For Working Wall Elevations, regardless if a base or a ceiling fascia is used or not.

*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)

└ Horizontal Rail

└ Base Channel

Full Fascia Package
(FPKHF)

└ Horizontal Rail

┌ Horizontal Rail

└ Base Channel

Segmented Fascia Package
(FPKHS)

└ Horizontal Rail

└ Horizontal Rail

┌ Horizontal Rail

└ Base Channel

Working Wall Fascia Package
(FPKHW)

└ Horizontal Rail

└ Horizontal Rail

┌ Horizontal Rail

┌ Horizontal Rail

└ Base Channel

Monolithic Fascia Package
(FPKHM)

└ Horizontal Rail

└ Base Channel

Full Fascia Package
(FPKHF)

└ Horizontal Rail

└ Horizontal Rail

└ Base Channel

Full Fascia Package
(FPKHF)

└ Horizontal Rail

└ Horizontal Rail

└ Base Channel

Segmented Wall Fascia Package
(FPKHS)

└ Horizontal Rail

└ Horizontal Rail

└ Horizontal Rail

└ Base Channel

Full-Height Door
(FPKHG)

Horizontal Rail

Segmented-Height Door x 2
(FPKHG)

← Horizontal Rail

← Horizontal Rail

planning with vertical post

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

Vertical Post packages are required between each adjacent Fascia package or Fascia configuration

Vertical Post packages are required at each end of a wall run

- The starting point for selecting the proper Vertical Post Package is at the inner and outer elevations of each wall module that will share a Vertical Post Package

- The Fascia packages or Fascia configurations that create these elevations determine which type of Vertical Post Package to select

- Always select the post for the highest connector requirements

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

Outer Elevation of Wall Module Full Wall requires Full Vertical Post Package (FKVS), therefore, Vertical Post Package (FKVS) should be specified because all post requirements are the same

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)

Outer Elevation of Wall Module Full Wall requires Full Vertical Post Package (FKVF)

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

vertical post package selector

This chart demonstrates which Vertical Post Package should be selected for each application.

Adjacent Wall Modules: Inner and Outer	Single Wall Modules: Inner and Outer Elevations											
	Mono + Mono FKVF	Mono + Full FKVF	Mono + Seg FKVS	Mono + WW FKVW	Full + Full FKVF	Full + Seg FKVS	Full + WW FKVW	Seg + Seg FKVS	Seg + WW FKVW	WW + WW FKVW	F/H Door FKVF	Seg Door FKVS
Mono + Mono FKVF	FKVF	FKVF	FKVS	FKVW	FKVF	FKVS	FKVW	FKVS	FKVW	FKVW	FKVF	FKVS
Mono + Full FKVF	FKVF	FKVF	FKVS	FKVW	FKVF	FKVS	FKVW	FKVS	FKVW	FKVW	FKVF	FKVS
Mono + Seg FKVS	FKVS	FKVS	FKVS	FKVW	FKVS	FKVS	FKVW	FKVS	FKVW	FKVW	FKVS	FKVS
Mono + WW FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW
Full + Full FKVF	FKVF	FKVF	FKVS	FKVW	FKVF	FKVS	FKVW	FKVS	FKVW	FKVW	FKVF	FKVS
Full + Seg FKVS	FKVS	FKVS	FKVS	FKVW	FKVS	FKVS	FKVW	FKVS	FKVW	FKVW	FKVS	FKVS
Full + WW FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW
Seg + Seg FKVS	FKVS	FKVS	FKVS	FKVW	FKVS	FKVS	FKVW	FKVS	FKVW	FKVW	FKVS	FKVS
Seg + WW FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW
WW + WW FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW	FKVW
F/H Door FKVF	FKVF	FKVF	FKVS	FKVW	FKVF	FKVS	FKVW	FKVS	FKVW	FKVW	FKVF	FKVS
Seg Door FKVS	FKVS	FKVS	FKVS	FKVW	FKVS	FKVS	FKVW	FKVS	FKVW	FKVW	FKVS	FKVS

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:

Height Code	Height Range	Height Code	Height Range
102	86"–102"	**108**	103"–108"
114	109"–114"	**120**	115"–120"

These height ranges are for pricing only. Be sure to indicate the exact height required for the Vertical Post Package in the product code.

corner & module connection overview

> **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

Two–Way 90° Corner Cover (FKCN90) and Hardware for Altos Corner Connections (FKCH90)

Four-Way Corner Connection (FKC4)

Three–Way 180° Corner Cover (FKCN180) and Hardware for Altos Corner Connections (FKCH180)

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

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

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

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modular connections

Module Connections create three-way intersections behind the bisected wall

On-Module (FKM3_1)

Off-Module (FKM3_2)

Off-Module (FKM3_3)

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

Hardware for Altos Corner Connections (FKCH90)

Provides the framework to connect two walls at 90°.

Four-Way Connection 90° Connection (FKC4)

Creates a full-height connection between four walls which are connected at 90°.

Hardware for Altos Corner Connections (FKCH180)

Provides the framework to connect three walls at 180°.

planning with 90° corner 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

3-15/16"

3-15/16"

42-1/8"

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

42"

42-1/8"

40-1/8"   36-1/8"   42-1/8"

3 modules

3 modules

42-1/8"   36-1/8"   40-1/8"

• 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°.

135°   135°

90°

Two–Way 135˚ Corner Cover (FKCN132)

Provides the frame work for two walls to be connected at 135°.

planning with 135° corner covers

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.

Center-line of corner
Center-line of reveal
2-3/4"
1-1/8"

Outside of connection = 2-3/4"
Inside of connection = 1-1/8"
in each direction

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.

1-1/8"
1-1/8"

Inside of connection = 1-1/8"
in each direction

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

planning with articulating corners

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.

Articulating Two-Way Corner shown with **left** pivot point orientation:

Articulating Two-Way Corner shown with **right** pivot point orientation:

Note the different vertical post positions between left and right pivot point orientation.

planning with articulating corners (continued)

Articulating Corners restrictions with Sliding door.

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

Similarly, when a Sliding 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.

Spine Wall

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

86" -120"h in 1" increments

Perpendicular Wall

Spine Wall

Three-Way 180° Module Connection (FKM3_2) (Off-Module)

• Creates a connection anywhere between reveals of Fascias

• May **not** be used a 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

86" -120" h

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

For the **Wall Gasket** at Base do **not** include any doorway opening dimensions

• 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.

Wall Gasket (FKJ)

• Required at both sides of a wall module at floor and ceiling junctions

• Used as a sound and light seal

• Is not required at the bottom of a door opening

wall start & end basics

Building Architecture

Altos Wall

108" or 120", cut on site

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 (FKEG) 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

86"-120" in 1" increments (full-height 86" - 108") only

Adjustable Wall End (FKEG)   **Adjustable Wall End (FKES)**

wall start & end basics (continued)

Building Architecture   **Altos Wall**

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

+45° max
−45° max

2"

3/4"

Nominal Adjustment

+38° max
−38° max

½"

Minimum Adjustment

planning with wall starts & ends

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

Building
Architecture

Adjustable
Wall End

Fascias

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

Adjustable Wall End

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

Power

Full Height – Ceiling Height

86" - 108"
1" increments

96" - 120"
1" increments

96" - 120"
1" increments

Full

Segmented

Working Wall

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 th 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 Segmented and Working Wall Elevations, it is offered in each 1" increment from 96" 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

planning with module connections

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

Spine Wall

Off-Module connections may not be connected to a Fascia on the spine wall that includes Smart Fascias – Accessory (FPMA), Whiteboard (FPMW), Power Communications Module (FPPC) or any 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

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

Spine Wall

Perpendicular Wall
For optimum planning, hang on components should be suspended from the perpendicular wall

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.

Single Hinged Doors
Double Hinged Doors
Single Pivot Doors

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

Single Sliding Doors

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

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:

Gasket color visible

Very White or Platinum wall gasket

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

New plastic reveal insert

Reveals remain black

The Vertical Reveal Cover Kit is black to match reveal lines.

frame kit component basics

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)

Base Channel - Modular (FPKB)

portrait – tek pier

portrait – tek pier

application guide

what is 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

Frame Assembly

Fascia

Assembly

Worksurface

what is tek pier (continued)

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	tek pier assembly 2	tek pier assembly 2
Spade Top	**Pie Top**	**Wedge Top**

• Up to five collaborators	• Up to three collaborators, one primary and two guests	• Up to three collaborators, one primary and two guests
• Symmetrical	• Left and right handed versions	• Left and right handed versions
• Sit Stand Range 24" - 43"	• Sit Stand Range 24" - 43"	• Sit Stand Range 24" - 43"
• Ideal for meeting rooms and collaboration	• Ideal for small enclaves and private offices	• 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

frame assembly basics

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.

Single Sided Shown

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

planning with frame assembly

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

Anderson connector at every junction box (if modular hardwired)

Junction box 4

Splitter

Junction box 2

Building power: 15 amp circuit x2

Junction box 3

Junction box 1

tek pier fascia basics

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

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

Monolithic Fascia (FFMTKP)

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

Full Fascia Kit (FFFTKP)

Level 1 Fascia is available 84" - 112" in 1" increments.

Segmented Fascia Kit (FFSTKP)

- Level 1 Fascia is available 78" and 80" high
- Level 2 Fascia is available 6" - 32" in 1" increments

Segmented Monolithic Fascia Kit (FFSMTKP)

- Level 1 Fascia is available 84" high
- Level 2 Fascia is available 10" - 36" in 1" increments

4" Base and Ceiling Fascia Kit for Tek Pier (Opposite Side) (FFCBTKP)

Available 42" and 48" wide.

planning with tek pier 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.

tek 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).

Spade Top Worksurface

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.

tek pier assembly 2

When a 42" wide fascia is specified, it must be specified on a 42" wide Frame Assembly for Tek Pier (FKTKP) and also with Tek Pier Assembly 2 (TKP2).

Wedge Top Worksurface   **Pie 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.

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.

Centered

Right Justified
(shown)

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.

tek pier assembly basics

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.

Finishes:

Shroud surface finish is Glacier White solid surface

Metal finishes include Very White and Platinum paint

Tek Pier Assembly 1 (TKP1)

• Accommodates Spade Top Worksurface (TKPA)

• Must be specified on a 48" wide Frame Assembly for Tek Pier (FKTKP)

• 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 (FKTKP)

• Recommended monitor is 30" - 38" and is restricted to 35 lbs

planning with tek pier assembly

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

1	Actuator
2	Vertical Wire Carrier
3	Shroud
4	Origami arm
5	Tek Pier electrics beam
6	Height-adjustable leg

*Monitor supplied by customer

Worksurface specified separately

origami arm

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

Shroud

Monitor

Flat on wall   Extended off wall   Angled right   Angled left

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.

Drywall   Altos   Drywall

Drywall

Altos

planning with tek pier assembly (continued)

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

**Left handed Wedge Top Worksurface
(TKPC) and left handed electrics beam shown**

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.

**Left handed electrics beam corresponds with
left-handed and symmetrical worksurfaces**

**Right-handed electrics beam corresponds with
right-handed and symmetrical worksurfaces**

planning with tek pier assembly (continued)

wire management

Tek Pier offers integrated cable routing, allowing for height-adjustability, technology connectivity and optional wireless control downloadable application.

planning with tek pier assembly (continued)

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 .

monitor
back

monitor
back

monitor
back

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

planning with tek pier assembly (continued)

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

Back of monitor

Back of monitor

VESA pattern hole

• Select a monitor with an HDMI port to connect to the electrics beam

• Maximum monitor weight is 35 lbs

Back of monitor

• VESA plate with vertical adjustment

• Vertical adjustment is available with 100 x 100mm, 200 x 200mm, 300 x 300mm, 400 x 200mm patterns

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 worksurface basics

Tek Pier worksurfaces are available in three shapes: Spade, Pie and Wedge Tops to match Tek Pier assembly sizes.

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

Pie Top Worksurface (left-handed) (shown)

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)

planning with tek pier worksurfaces

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')

The Spade Top Worksurface is not handed

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

The Pie Top worksurface is handed and is determined by the location of primary user

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.

| Wedge Top with Tek Pier Assembly 2 | Wedge Top with Tek Pier Assembly 2 |

| Wedge Top with Tek Pier Assembly 2 | Spade Top with Tek Pier Assembly 1 |

Different Tek Pier assembly

| Pie Top with Tek Pier Assembly 2 | Pie Top with Tek Pier Assembly 2 |

| Pie Top with Tek Pier Assembly 2 | Spade Top with Tek Pier Assembly 1 |

Different Tek Pier assembly

| Spade Top with Tek Pier Assembly 1 | Spade Top with Tek Pier Assembly 1 |

| Spade Top | Spade Top |

Not aligned

| Wedge Top with Tek Pier Assembly 2 | Pie Top with Tek Pier Assembly 2 |

| Wedge Top | Pie Top |

Not aligned

portrait —
lighting, electrics & communications

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.

		Teknion	
	Field-supplied Electrics	**Hardwire Electrics**	**Power Data Electrics**
Daisy chaining			✔
Reconfigurations			✔
Back to back applications	Good	Good	Best
Licensed electrician labor	Most labor required	Most labor required	Minimum labor
Installer labor			Minimum labor
Mounting method	Fastens to back of fascia	Fastens to back of fascia with provided screws	Fastens to back of fascia with provided screws
Compatibility with Altos	Portrait and Landscape	Portrait and Landscape	Portrait and Landscape
Standard cut out height	Base height, 18" height and worksurface height	Base height, 18" height and worksurface height	18" height (portrait) and worksurface height
Cut out orientation	Vertical and Horizontal	Vertical and Horizontal	Vertical and Horizontal
Control receptacles	✔		✔
USB receptacles	✔		✔
Wire systems	• Standard Circuit • Isolated Circuit	• Standard Circuit • Isolated Circuit	• 4B • 7G • 8K • 5D • 8T
Compatible with Teknion Standard electrical wiring systems			✔
Type of circuit	All local options available	120 volt; 15 amp and 20 amp options	120 volt; 15 amp and 20 amp options
Electrical components available	Uses industry standard receptacles commonly used in drywall applications. Contractor provides all electrical components - only the Fascias are specified with cut outs	ERM, ECM, ELS, EFCC	EPDMC, EPDMS, EPDMD, EPDMT, EPDMQ, EPDDB, EPDIC, EPDSC, EPDCH, EPDHC, EPDHS, EPDHD

comparing electrics & communication methods (continued)

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)

Duplexes and data boxes are specified separately.

Data jacks/faceplates are not included on communications module.

Images are for illustration purposes only.

Power Data Electrics

Vertical cut outs (applicable for 18" high)

Horizontal cut outs (applicable for worksurface height)

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.

comparing electrics & communication faceplates

The following chart helps visualize the differences in sizing for Teknion's Hardwire and Power Data electrical systems for Altos Portrait.

Description	Where Used	Overall Dimensions & Image
Single size faceplate for Horizontal and Vertical Power Data Module	EPDHC EPDHS EPDMC EPDMS ERGMS	Width= 4.196 inches (107 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs
Double size faceplate for Vertical Power Data Modules	EPDMD ERGMD	Width= 6.262 inches (159 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs
Triple size faceplate for Vertical Power Data Modules	EPDMT ERGMT	Width= 8.329 inches (212 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs
Quad size faceplate for Vertical Power Data Modules	EPDMQ ERGMQ	Width= 10.396 inches (264 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs
Double size faceplate for Horizontal Power Data Modules	EPDHD	Width= 10.449 inches (265 mm) Height= 4.208 inches (107 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs

Portrait light comes in two options: single and double fascia.

Portrait Wall-Mounted Light – Single (ELWMP)

• For lights spanning a single portrait fascia

• Light orientation: up or down

• Widths: 36"-48" (1/8" increments)

• Valance optional

• Corded left or right

• Finish: Mica, Foundation, Accent (excl. textured) or Anodized

Portrait Wall-Mounted Light – Double (ELWMD)

• For lights spanning two portrait fascias of equal size

• Light orientation: up or down

• Widths: 48"-96" (1/4" increments)

• Valance optional

• Corded left or right

• Finish: Mica, Foundation, Accent (excl. textured) or Anodized

The following illustrates the light in the up and down position, and with and without a valance.

• 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

planning with wall-mounted lights – portrait

The following should be considered when planning with Portrait Wall-Mounted Lights.

The Portrait Wall-Mounted Light is available for single or double fascia spans.

Single Fascia
• 36" - 48" (1/8" increments)

Double Fascia
• 48" - 96" (1/4" increments)
• Fascia must be equal size

Double Fascia
• 48" - 96" (1/4" increments)
• Light does not need to match horizontal reveal line

Placement horizontally on a wall:

• The Portrait Wall-Mounted Light can be installed on the verticals in 1" increments along the vertical reveal line.

• The light maximum height requires 3" space from the ceiling for installation purposes.

• The recommended min height is 53" AFF

• The light's nominal width must be equal to the nominal width of the fascia

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.

planning with wall-mounted lights – portrait (continued)

The Portrait 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

Light Beam

Light Beam

Light Beam

When Portrait Wall-Mounted Lights are planned back-to-back they must be specified as the same application on both sides of the wall.

Task and Task

Light Beam

Light Beam

planning with wall-mounted lights – portrait (continued)

- 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)

Wire Exit on left

Altos Light

Left Handed

Wire Exit on right

Altos Light

Right Handed

Left handed Lights have wire exits on the left when facing the wall.

Right handed Lights have wire exits on the right when facing the wall.

Fascia Module   Fascia Module

Light 1   Light 2

Vertical Reveal

- Two Wall-Mounted Lights can be mounted side by side on two fasicas.
- The lights share one reveal line in the middle.

planning with wall-mounted lights – portrait (continued)

Light (Touch Switch or No Switch)

• When planning with the Portrait Wall-Mounted Light (ELWMPS or ELWMPD) with either the Touch Switch or No Switch option, a Light Power Feed (ELPF) must be specified as shown

• Power and Communication electrics are routed independently from the Wall-Mounted Light or Desk

• Portrait Wall-Mounted Light (ELWMPS) with left switch and cord location is shown

• Use Installation Tool (FTTK) to run the Light cord within the vertical and horizontal reveal

Transformer and Bracket

Light Power Feed (ELPF) and Bracket

To building power

Ceiling

Portrait Wall-Mounted Light (ELWMP) Switch Type: Touch Switch or No Switch

Floor

Transformer and Bracket

Light Power Feed (ELPF) and Bracket

To building power

planning with wall-mounted lights – portrait (continued)

Light (Remote Switch)

• When planning with a Portrait Wall-Mounted Light(ELWMPS or ELWMPD) with the Remote Switch option, Light Power Feed (ELPF), Light Wire Management (ELWMG), and Light Switch (ELS) must be specified as shown.

• Remote Switch Lights must use a 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

• Portrait Wall-Mounted Light (ELWMPS) with left switch and cord location is (shown)

• Use Installation Tool (FTTK) to run the Light cord within the vertical and horizontal reveal

To building power

Transformer and Bracket

Light Power Feed (ELPF) and Bracket

Junction Box (not Teknion)

Ceiling

Portrait Wall-Mounted Light (ELWMS) Switch Type: Touch Switch or No Switch

Use Light Switch (ELS) as Remote Switch (42" AFF)

Use Light Switch (ELS) as Remote Switch (site-cut location)

Transformer and Bracket

Light Power Feed (ELPF) and Bracket

Floor

To building power

planning with power/communication fascias

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

	Horizontal cut outs	Vertical cut outs
Base height* Applicable to 6" base only	✓ Hardwire ✗ Power Data 2-1/2" above finished floor to center-line of cut out	
18" height		✓ Hardwire ✓ Power Data 18" above finished floor to center-line of cut out
Worksurface height	✓ Hardwire ✓ Power Data 33" above finished floor to center-line of cut out	

fascia power/communication cut out options

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.

No need for electrical access	No cut outs	1			
Power Data	18" AFF Height	S	D	T	Q
	33" AFF Height (worksurface height)	F	G		
	Combined Heights (18" and worksurface heights)	L	M		
Hardwire	Base Height	6	7	8	
	18" AFF Height	4	3		
	33" AFF Height (worksurface height)	X	Y	Z	

fascia power/communication cut out restrictions

The number of cut outs for hardwire and power data electrics depends on Fascia width. The chart below outlines the number of openings available by size in Altos Portrait.

Fascia Cover Caps (EFCC) can be ordered to cover unused hardwired cut outs by size.

		Cut Out Descriptions	Width Restrictions
No need for electrical access	1	No cut outs	for Fascias 12" to 48" wide
Power Data	S	18" AFF Height Vertical Cut Out for Single Module	for Fascias 14" to 48" wide
	D	18" AFF Height Vertical Cut Out for Double Module	for Fascias 18" to 48" wide
	T	18" AFF Height Vertical Cut Out for Triple Module	for Fascias 22" to 48" wide
	Q	18" AFF Height Vertical Cut Out for Quad Module	for Fascias 26" to 48" wide
	F	33" AFF (Worksurface Height) Horizontal Cut Out for Single Module	for Fascias 17" to 48" wide
	G	33" AFF (Worksurface Height) Horizontal Cut Out for Double Module	for Fascias 27" to 48" wide
	L	Combination: 33" AFF (Worksurface Height) Horizontal Cut Out for Single Module and 18" AFF Height Vertical Cut Out for Double Module	for Fascias 17" to 48" wide
	M	Combination: 33" AFF (Worksurface Height) Horizontal Cut Out for Double Module and 18" AFF Height Vertical Cut Out for Double Module	for Fascias 27" to 48" wide
Hardwire	6	Base Height 1 Horizontal Cut Out	for Fascias 13" to 48" wide
	7	Base Height 2 Horizontal Cut Outs	for Fascias 23" to 48" wide
	8	Base Height 3 Horizontal Cut Outs	for Fascias 32" to 48" wide
	4	18" AFF Height 1 Vertical Cut Out	for Fascias 12" to 48" wide
	3	18" AFF Height 2 Vertical Cut Outs	for Fascias 21" to 48" wide
	X	33" AFF (Worksurface Height) 1 Horizontal Cut Out	for Fascias 13" to 48" wide
	Y	33" AFF (Worksurface Height) 2 Horizontal Cut Outs	for Fascias 23" to 48" wide
	Z	33" AFF (Worksurface Height) 3 Horizontal Cut Outs	for Fascias 32" to 48" wide

hardwire electrics & communications basics

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

Electrical and communication cut outs installed in these locations

Faceplate

Decora Receptacle

Electrical Box

Wiring

Modular Furniture Faceplate

Decora Strap

1.38"

2.72"

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.

hardwire electrics & communications basics (continued)

• One size cut out fits both receptacle and Communications Modules

• Any combination of Receptacles or Communications Module are possible

planning with hardwire electrical & 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

understanding power data electrics

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 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 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 detail
- Power Data Components can not 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 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 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.

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

*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 components (continued)

Power data electrics consists of the following components to route power to Altos panels

	Description	Visual	Length
Power Data Four-Way Splitter (EPDDB)	• 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 outlets

Power data receptacles are available in 15 amp, 20 amp and with USB options. Please see chart for possible combinations.

- Control receptacles combined with Power Data circuits allows plug loads control for reducing energy consumption. Ref ANSI/ASHRAE/IES Standard 90.1, California Energy Commission (CEC) Title 24, part 6.
- USB receptacles are only available in Circuit 1
- USB receptacles cannot be on a controlled circuit

	Power Receptacles						Data Openings
	15 amp			20 amp			
Receptacle outlets	Standard Outlet (S)	Controlled Outlet (D)	USB (A+C)* Outlet (U)	Standard Outlet (T)	Controlled Outlet (E)	USB (A+C)* Outlet (W)	Data Opening (0)

*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:

2.72"

1.38"

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

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

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

determinating 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

Calculated Length	Product combination to order
0" to 47"	EPDCH48
48" to 71"	EPDCH72
72" to 95"	EPDCH96
96" to 119"	EPDCH120
120" to 143"	EPDCH144
144" to 167"	EPDCH120, EPDIC, EPDCH48
168" to 191"	EPDCH120, EPDIC, EPDCH72
192" to 215"	EPDCH120, EPDIC, EPDCH96
216" to 239"	EPDCH120, EPDIC, EPDCH120
240" to 263"	EPDCH120, EPDIC, EPDCH144
264" to 287"	EPDCH144, EPDIC, EPDCH144

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.

48" harness

← 36" Panel A → ← 36" Panel B →

Harness calculation: $\frac{36"}{2}$ + $\frac{36"}{2}$ = 36" ⟶ EPDCH48

A   B   calculated length   product to order

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

96" harness

← 36" Panel A → ← 36" Panel B → ← 36" Panel C →

Harness calculation: $\frac{36"}{2}$ + 36" + $\frac{36"}{2}$ = 72" ⟶ EPDCH96

A   B   C   calculated length   product to order

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

144" harness

When passing through unpowered fascias with obstructions such as glass panels, a change of height is necessary to route power at base.

← 36" Panel A → ← 36" Panel B → ← 36" Panel C → ← 36" Panel D →

Harness calculation: $\frac{36"}{2}$ + 36" + 36" + $\frac{36"}{2}$ + 30" = 138" ⟶ EPDCH144

A   B   C   D   drop and rise   calculated length   product to order

determinating harness lengths (continued)

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

Back-to-back modules

No harness required

36" Panel A

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

Passing through corner connections

72" harness

36"
Panel A

36"
Panel B

Harness calculation:

$$\frac{36"}{2} + \frac{36"}{2} + 14" = 50" \longrightarrow EPDCH72$$

| A | B | pass thru post | calculated length | | product to order |

Connecting a module at 33" AFF with one at 18" AFF on the same panel

36" Panel A

Connecting three or four Modules in the same panel

48" harness

36" Panel A

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.

planning with power data power distribution

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.

Power path	Number of maximum connectors per cut out	
	Portrait Power Data	Landscape Power Data
In-line through two vertical post	3	3
Through horizontal	2	2
Through horizontal at the base	2	2
Two-Way 90°, through two vertical posts	3-3 as shown	2-2 limit
Three-Way 90°, through three vertical posts	3-3 as shown	2-2 limit
Three-Way 90°, through three vertical posts	3-2-1	3-2-1

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 path	Number of maximum connectors per cut out	
	Portrait Power Data	Landscape Power Data
Three-Way 90°, through three vertical posts	3-2-3	3-2-3
Three-Way 90°, through three vertical posts	2-3-3 as shown	2-2-2 limit
Three-Way 90°, through three vertical posts	2-2-2	2-2-2
Four-Way, through vertical post. Must drop down to make a turn	1-1	1-1
4" base fascia power routing	2	2
Routed vertically through corner connection	1	1

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.

planning with power data power distribution (continued)

harness

Harnesses cannot be linked together.
An in-line connector or a four-way splitter should be specified to connect them.

power data modules

Power data modules cannot be linked together.

A four-way splitter should be specified to connect them.

power data information for electricians

- 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 (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

power data information for electricians (continued)

4B 4-wire 2 circuit

5D 5-wire 3 circuit

7G 7 Wire 3 circuit (2+1 Isolated Ground)

power data information for electricians (continued)

8T 8 Wire 4 circuit (3+1 Isolated Ground)

8K 8 Wire 4 circuit (2+2) - Dual isolated

determining electrics & communications requirements

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.

Work Space #	Requirement	Amps	Module Required	Type of Circuit	Circuit
1	Personal Computer	4.00			
	Desk Lamp	1.00			
	One Convenience Outlet	4.00			
	Total Amps #1	**9 amps**			
2	Personal Computer	4.00			
	Desk Lamp	1.00			
	One Convenience Outlet	4.00			
	Total Amps #2	**9 amps**			
3	Personal Computer	4.00			
	Laser Printer	7.00			
	Desk Lamp x 2	2.00			
	Total Amps #3	**13 amps**			
	Total Amperage	**31 amps**			

Work Space 1   **Work Space 2**   **Work Space 3**

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.

Work Space #	Requirement	Amps	Module Required	Type of Circuit	Circuit
1	Personal Computer	4.00	Duplex Receptacle	Isolated Ground or Standard, 120 V, 15 amp	
	Desk Lamp	1.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	One Convenience Outlet	4.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	Total Amps #1	**9 amps**			
2	Personal Computer	4.00	Duplex Receptacle	Isolated Ground or Standard, 120 V, 15 amp	
	Desk Lamp	1.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	One Convenience Outlet	4.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	Total Amps #2	**9 amps**			
3	Personal Computer	4.00	Duplex Receptacle	Isolated Ground or Standard, 120 V, 15 amp	
	Laser Printer	7.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	Desk Lamp x 2	2.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	Total Amps #3	**13 amps**			
	Total Amperage	**31 amps**			

Work Space 1   Work Space 2   Work Space 3

Legend

⊖=	**Duplex Receptacle, Standard Electrical Outlet 120 volt, 15 or 20 amp**	◁	**Telephone Outlet**
●=		⟨	**Communications Outlet with Twisted Pair Signal Cable**
	Duplex Receptacle, Isolated Ground 120 volt, 15 or 20 amp		

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.

Work Space #	Requirement	Amps	Module Required	Type of Circuit	Circuit
1	Personal Computer	4.00	Duplex Receptacle	Isolated Ground, 120 V, 15 amp	A
	Desk Lamp	1.00	Duplex Receptacle	Standard, 120 V, 15 amp	B
	One Convenience Outlet	4.00	Duplex Receptacle	Standard, 120 V, 15 amp	B
	Total Amps #1	**9 amps**			
2	Personal Computer	4.00	Duplex Receptacle	Isolated Ground, 120 V, 15 amp	A
	Desk Lamp	1.00	Duplex Receptacle	Standard, 120 V, 15 amp	C
	One Convenience Outlet	4.00	Duplex Receptacle	Standard, 120 V, 15 amp	C
	Total Amps #2	**9 amps**			
3	Personal Computer	4.00	Duplex Receptacle	Isolated Ground, 120 V, 15 amp	A
	Laser Printer	7.00	Duplex Receptacle	Standard, 120 V, 15 amp	D
	Desk Lamp x 2	2.00	Duplex Receptacle	Standard, 120 V, 15 amp	D
	Total Amps #3	**13 amps**			
	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 whats 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 out-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

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**

(Y) **Elevation**

(Z) **Elevation**

On Elevation Y, build up Fascias and specify electrics and communications option at worksurface height for Fascia (FPW12)

On Elevation Z, build up a Fascias and specify electrics and communications option at 18" height for Fascias (FPW13, FPW14, FPW15)

Work Space 1   **Work Space 2**   **Work Space 3**

(X) **Elevation**

(Z) **Elevation**

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

portrait – mounted storage & accessories

planning with mounted storage

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)

application guide

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 Sliding Door or Adjustable Wall End

Adjustable Wall End

Sliding Door

Sliding Door

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 Sliding 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 Sliding Door

load restrictions

single-sided applications per portrait wall module

These four applications can be planned in any combination on up to a 16' wall run.

2 On-Module Cantilever + (FLON) or

2 On-Module Corner + Brackets (FLCB)

1 Worksurface (FW)

1 Overhead Cabinet

1 Overhead Cabinet

2 On-Module Cantilever (FLON) or

2 On-Module Corner Brackets (FLCB) +

1 Worksurface (FW)

1 Overhead Cabinet per side

2 C-Leg (TLCL) per side

1 Worksurface (FW) per side

portrait – integration

portrait – integration

integration overview

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

On-Module Worksurface

parallel to the wall

On-Module Worksurface

combination

Freestanding Filing

Freestanding Table

Work Table

in a corner

Work Table

On-Module Worksurface

freestanding

Freestanding Table

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.

On-module (wall-mounted)

Altos wall module →

Worksurface →

All worksurfaces, wall-mounted and semi-suspended, must be on-module because the surfaces are suspended from the Slotted standards on the Vertical Post Packages between the fascias

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

Off-module (Freestanding)

Specify one On-Module Cantilever (FLON) for each worksurface where height changes are greater than 1" to ensure sufficient support

- 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

Worksurface mounted 33" above the finished floor

Worksurface mounted 29" above the finished floor

On-Module Cantilever
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

On-Module Cantilever

Two cantilevers can fit into the same slotted channel

planning with worksurfaces (continued)

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

| 36" | 36" | 36" |

Spans greater than 60" may require additional support

corner applications

| 35" | 1" gap | 35" |

1" gap

1" gap

1" gap

1" gap

41"

1" gap   41"

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

perpendicular applications

30"

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

planning with worksurfaces (continued)

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

u-shaped configurations

On-module

30" wide wall

30" deep/30" wide worksurface
(FWRR)

On-module

On-module

- Start the configuration so that the depth of the worksurface matches the width of the wall

- In all cases, a 30" wide wall and 30" deep 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 direction

30" wide wall

On-module

30" deep/72" wide worksurface
(FWRR)

On-module

- 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

planning with supports

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

On-Module Cantilever (FLON)

On- Module Corner Bracket (FLCB)

- 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

Open-End (TLOE)

Off-module

C-Leg (TLCL)

Semi-Suspended Monoleg (TLSM)

or

Post Leg (TLSP)

- 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

planning with supports (continued)

The following are typical examples of the supports that would be used for mounting worksurfaces.

One support is required at the end of each worksurface. Some supports can be shared between two adjacent worksurfaces.

On-Module Corner Bracket (FFLCB)

On-Module Cantilever (FLON)

On-Module Cantilever (FLON)

Semi-Suspended Monoleg (TLSM)

On-Module Cantilever (FLON)

On-Module Cantilever (FLON)

Semi-Suspended Monoleg (TLSM)

On-Module Corner Bracket (FLCB)

Wall-mounted worksurfaces require support every 60".

Flush Plates (TLFP)

On-Module Corner Bracket (FLCB)

On-Module Cantilever (FLON)

Flush End (TLFE)

On-Module Cantilever (FLON)

On-Module Corner Bracket (FLCB)

Open End (TLOE)

understanding landscape

understanding landscape

overview – landscape

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.

Nine Landscape offices

Seven traditional offices

A

B

7'

9'

A

Nine offices

Seven offices

B

planning possibilities – enclaves – landscape

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

enclaves

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 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

landscape planning possibilities – enclaves (continued)

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

landscape planning possibilities – enclaves (continued)

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

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 Sliding 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 Sliding Doors

landscape – fascias

landscape – fascias

understanding fascias – landscape

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

	Monolithic		Base/Ceiling Fascia
120"		W3	AF/MP G
84"	MB AF G	W2	MB AF G
36"		W1	AF/MP G
0"			

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

	Monolithic		Base/Ceiling Fascia
120"		W3	AF/MP G
84"	AF/MP	TW2	AF/MP
60"	AF/MP	BW2	AF/MP
36"		W1	AF/MP
0"			

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

	Monolithic		Base/Ceiling Fascia
120"		W3	AF/MP G
84"	MB AF G	W2	MB AF G
36"	AF/MP	TW1	AF/MP
21"		BW1	AF/MP
0"			

Legend:

code	description	width range
S	Solid (available on all fascias)	12" - 120"
FW	Fabric Wrapped (available on all fascias)	12" - 120"
MB	Markerboard Framed	12" - 118"
MB	Markerboard Frameless	12" - 96"
AF	Acoustic Tackable Fabric	12" - 120"
MP	Metal Micro Perforated	12" - 96"
G	Glass	12" - 96"

fascia elevation overview – landscape

Landscape Fascias are used to create the faces of Altos walls and are configured into six elevations depending on the Fascia selection.

- 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

Cabinet Working Wall with Base/Ceiling

Light Working Wall with Base/Ceiling

Standard Working Wall with Base/Ceiling

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.

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°

fascia elevation basics – landscape

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.

Landscape Arrangement	Fascias Available
Standard Working Wall Monolithic WM3 W2 WM1	• **WM3** FLWM3 and FLRWM3 are 12 - 36" high in 1" increments to accommodate ceiling height • **W2** FLW2, FLRW2, FLATW2, FLMWN, FLMMF, FLGC, FLGD are 48" high • **WM1** FLWM1 and FLRWM1 are 36" high
Standard Working Wall Base/Ceiling ← Ceiling W3 W2 W1 ← Base	• **Ceiling** FLC is 4" high and available in Solid, Fabric Wrapped, Anodized and Painted • **W3** FLW3, FLRW3, FLATW3, FLMPW3, FLMBW3, FLGC and FLGD are 12 - 32" high in 1" increments to accommodate ceiling height • **W2** FLW2, FLRW2, FLATW2, FLMWN, FLMMF, FLGC and FLGD are 48" high • **W1** FLW1, FLRW1, FLATW1, FLMPW1, FLMBW1, FLGC and FLGD are 32" high • **Base** FLB is 4" high and available in Solid, Fabric Wrapped, Anodized and Painted
Light Working Wall Monolithic WM3 TW2 BW2 WM1	• **WM3** FLWM3 and FLRWM3 are 12 - 36" high in 1" increments to accommodate ceiling height • **TW2** FLTW2, FLRTW2, FLATTW2, FLMPTW2 and FLMBTW2 are 24" high • **BW2** FLBW2, FLRBW2, FLATBW2, FLMPBW2 and FLMBBW2 are 24" high • **WM1** FLWM1 and FLRWM1 are 36" high
Light Working Wall Base/Ceiling ← Ceiling W3 TW2 BW2 W1 ← Base	• **Ceiling** FLC is 4" high and available in Solid, Fabric Wrapped, Anodized and Painted • **W3** FLW3, FLRW3, FLATW3, FLMPW3, FLMBW3, FLGC and FLGD are 12 - 32" high in 1" increments to accommodate ceiling height • **TW2** FLTW2, FLRTW2, FLATTW2, FLMPTW2 and FLMBTW2 are 24" high • **BW2** FLBW2, FLRBW2, FLATBW2, FLMPBW2 and FLMBBW2 are 24" high • **W1** FLW1, FLRW1, FLATW1, FLMPW1, FLMBW1, FLGC and FLGD are 32" high • **Base** FLB is 4" high and available in Solid, Fabric Wrapped, Anodized and Painted
Cabinet Working Wall Monolithic WM3 W2 TW1 BWM1	• **WM3** FLWM3 and FLRWM3 are 12 - 36" high in 1" increments to accommodate ceiling height • **W2** FLW2, FLRW2, FLATW2, FLMWN, FLMMF, FLGC and FLGD are 48" high • **TW1** FLTW1, FLRTW1, FLATTW1, FLMPTW1 and FLMBTW1 are 15" high • **BWM1** FLBWM1 and FLRBWM1 are 21" high
Cabinet Working Wall Base/Ceiling ← Ceiling W3 W2 TW1 BW1 ← Base	• **Ceiling** FLC is 4" high and available in Solid, Fabric Wrapped, Anodized and Painted • **W3** FLW3, FLRW3, FLATW3, FLMPW3, FLMBW3, FLGC and FLGD are 12 - 32" high in 1" increments to accommodate ceiling height • **W2** FLW2, FLRW2, FLATW2, FLMWN, FLMMF, FLGC and FLGD are 48" high • **TW1** FLTW1, FLRTW1, FLATTW1, FLMPTW1 and FLMBTW1 are 15" high • **BW1** FLBW1, FLRBW1, FLATBW1, FLMPBW1 and FLMBBW1 are 17" high • **Base** FLB is 4" high and available in Solid, Fabric Wrapped, Anodized and Painted

justified fascia overview – landscape

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.

Justified Ceiling Fascia

Justified Fascia

Justified Fascia

Justified Base Fascia

Justified Left Desk

Upper Fascias (W2 and W3)

Underdesk Fascias (W1)

Justified Ceiling Fascia

Justified Fascia

Justified Fascia

Justified Base Fascia

Justified Right Desk

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.

Justified Ceiling Fascia

Standard Fascia

Standard Fascia

Justified Base Fascia

Centered Desk

Upper Fascias (W2 and W3)

Underdesk Fascias (W1)

justified fascia elevation basics – landscape

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, FLJMWN and FLJMMF are 48" high
Working Wall Base / Ceiling	• **Ceiling:** FLJC is 4" high and available in Solid, Fabric Wrapped, Anodized and Painted • **W3** FLJW3, FLJRW3, FLJATW3, FLJMPW3 and FLJMBW3 are 12 - 32" high in 1" increments to accommodate ceiling height • **W2** FLJW2, FLJRW2, FLJATW2, FLJMWN and FLJMMF are 48" high • **Base** FLJB is 4" high and available in Solid, Fabric Wrapped, Anodized and Painted
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 FLJMBTW2 are 24" high • **BW2** FLJBW2, FLJRBW2, FLJATBW2, FLJMPBW2 and FLJMBBW2 are 24" high
Light Working Wall Base / Ceiling	• **Ceiling** FLJC is 4" high and available in Solid, Fabric Wrapped, Anodized and Painted • **W3** FLW3, FLRW3, FLATW3, FLMPW3, FLMBW3, FLGC and FLGD are 12 - 32" high in 1" increments to accommodate ceiling height • **TW2** FLJTW2, FLJRTW2, FLJATTW2, FLJMPTW2 and FLJMBTW2 are 24" high • **BW2** FLJBW2, FLJRBW2, FLJATBW2, FLJMPBW2 and FLJMBBW2 are 24" high • **Base** FLJB is 4" high and available in Solid, Fabric Wrapped, Anodized and Painted

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

The illustration above demonstrates the grain direction of Cathedral Flintwood finishes for fascias.

The illustration above demonstrates the grain direction of Standard Flintwood finishes for 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

The illustration above demonstrates the Railroad fabric direction for Fabric Wrapped fascias.

Markerboard Framed Fascias

• Available 12" - 118" wide nominal in 1/8" increments

• Available magnetic or non-magnetic

• Frame Finishes include:
 - Anodized
 Painted
 - Soft Black
 - Platinum
 - Warm Nickel
 - Mulled Wine
 - Boreal
 - Ocean Abyss

• 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

• Optional sheet metal backer can be specified to improve STC rating

The illustration above demonstrates the Railroad fabric direction 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

• Available in painted finishes:

  - Soft Black
  - Platinum
  - Warm Nickel
  - Mulled Wine
  - Boreal
  - Ocean Abyss

• Optional sheet metal backer can be specified to improve STC rating

fascia finishes – landscape (continued)

Glass Fascias - Single

• Available in 6mm Glass

• Glass Fascias are available in Square Profiles

• Available 6" - 12" high in 1" increments

• Glass Finish: Clear, 80% Cool White, 65% White
  - Clear Glass finish is only Tempered glass
  - Other glass finishes are laminated glass

• Available 12" - 96" wide nominal in 1/8" increments

• Frame Finishes include:
  - Anodized
  - Painted

• Electrical boxes and switches are not available on glass fascias.

Section of square profile glass fascia

Single glass

Glass Fascias - Double

• Available in double layer of 6mm Glass

• Glass Fascias are available in Square Profiles

• Available 6" - 12" high in 1" increments

• Glass options: Tempered or Laminated
  - Tempered Glass Option:
    - Both panes will be tempered
    - Glass Finish: Clear, Ceramic Frit
      - When Clear is specified, both panes of glass will be clear
      - When Ceramic Frit is specified, only outer glass will be ceramic frit, the
        inner stays clear
  - Laminated Glass Option:
    - Inner pane will be tempered glass, outer will be laminated glass
    - Glass Finish: Clear

• Available 12" - 96" wide nominal in 1/8" increments

• Frame Finishes include
  - Anodized
  - Painted

• Electrical boxes and switches are not available on glass fascias.

Section of square profile glass fascia

Double glass

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

• Finish options:
 - Anodized
 Painted
 - Soft Black
 - Platinum
 - Warm Nickel
 - Mulled Wine
 - Boreal
 - Ocean Abyss

4" Base and Ceiling Fascia

Three-Way 180°

Two-Way 90°

Articulating Corner

Aluminum

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

fascia finishes – landscape (continued)

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.

| **Fascia – Portrait** | **Fascia – Landscape** | **Fascia – Portrait** |

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.

Vertical Trim

Grain / Fabric Direction

specifying fascia heights – landscape

base and ceiling fascia height is 4" only (FLB, FLC, FLRB, FLRC, FLJB, FLJC, FLJRB, FLJRC), 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".

Standard Working Wall Monolithic | Standard Working Wall Base/Ceiling | Light Working Wall Monolithic | Light Working Wall Base/Ceiling | Cabinet Working Wall Monolithic | Cabinet Working Wall Base/Ceiling

Product Code	Fascia Description	W1	W2	W3	WM1	WM3	BW1	TW1	BW2	TW2	BWM1
		Fascia Height Calculation (inch)									
		32	48	X"=CH-88	36	X"=CH-84	17	15	24	24	21
		Fascia Height Range (inch)									
FL_	Solid	32	48	8-32	36	8-32	17	15	24	24	21
FLR_	Fabric Wrapped										
FLAT_	Acoustic Tackable										
FLMP_	Micro Perforated Sheet Metal		n/a		n/a	n/a					
FLMB	Sheet Metal Backer										
FLMWN_	Markerboard Frameless	n/a	48	n/a							n/a
FLMMF_	Markerboard Framed										
FLGC_	Glass Single	12-48							n/a	n/a	
FLGD_	Glass Double										
FLDF_	Fixed Desk	32	n/a	n/a	36						
FLDH_	Height-Adjustable Desk						n/a	n/a			
FLJ_	Justified Solid	n/a	48	8-32	n/a	8-36			24	24	
FLJR_	Justified Fabric Wrapped										
FLJAT_	Justified Acoustic Tackable										
FLJMP_	Justified Micro Perforated		n/a			n/a					
FLJMB	Justified Metal Backer										
FLJMWN	Justified Markerboard Frameless	48	n/a						n/a	n/a	
FLJMMF	Justified Markerboard Framed										

Aluminum fascia FLFK height range is 96"-120", monolithic elevation only

planning with fascias – landscape

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

planning with fascias – landscape (continued)

Altos Landscape is available with various fascia elevations on either side of the wall.

Wall Side 2: Landscape

Shared Framework

Wall Side 1: Landscape

Standard Working Wall

Light Working Wall

Altos **cannot** be planned with Landscape fascias on one side and Portrait fascias on the other.

Wall Side 2: Portrait

Framework cannot be shared

Wall Side 1: Landscape

planning with fascia widths – landscape

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

Transition to Drywall or Building Perimeter

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.

EQ   EQ

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

Acoustic Tackable Fabric fascia

Fabric Wrapped fascia

Ceiling and Base Fascias are available Fabric Wrapped and Solid

private office

Acoustic Tackable Fabric fascia

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

Working Wall Monolithic

glass fascias above 84"h – landscape

- 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 W3 glass fascia cannot span over both a Landscape fascia module and an Altos/Optos door together.

planning with glass fascias above 84" h – landscape

The following should be considered when planning with Landscape glass fascias above 84"h.

When planning in proximity to a door, the vertical trim must continue through the W3 glass fascia 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 W3 glass fascia

Maximum Glass fascia span of 96"

Possible - Segmented Height Door

Hinged/Pivot Door under spanning W3 glass fascia

A Landscape glass fascia cannot span over an Altos wall module and a Door.

Landscape Desk under W3 glass fascia

Glass fascias cannot be planned above a Landscape Desk

planning with glass fascias above 84" h – landscape (continued)

sliding doors

Full height Sliding Door

Maximum fascia span of 72" beside Sliding Doors

Possible - Full height door

Sliding Door under W3 glass fascia

Maximum fascia span of 72" beside Sliding Doors

Possible - Segmented height door

Sliding Door under spanning W3 glass fascia

A Landscape glass fascia cannot span over an Altos wall module and a Door

filler panel basics – landscape

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.

Height	Ceiling Height Range
102" (8'-6")	86" to 102" (7'-2" to 8'-6")
108" (9'-0")	103" to 108" (8'-7" to 9'-0")
114" (9'-6")	109" to 114" (9'-1" to 9'-6")
120"(10'-0")	115" to 120" (9'-7" to 10'-0")

Filler Panel (FPF)

- 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

- Has a vertical grain direction for directional finishes

aluminum fascia kit basics – landscape

When electrics must be routed around a Functional Rail or a Glass Fascia, the Landscape Aluminum Fascia Kit (FLFK) can be used to run cables to the floor or ceiling.

The Landscape Aluminum Fascia Kit can be Clear Anodized or Painted in any of the eight Architectural Paints.

Landscape Aluminum
Fascia Kit

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 – frame kits & components

landscape – frame kits & components

frame kit overview – landscape

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

1 Landscape Vertical Post Package (FLKV)
2 Landscape Horizontal Rail Package (FLKH)
3 Landscape Functional Rail Kit (FLKF)
Not Shown:
Landscape Desk Frame (FLDF)

Wall Start (FKW/FLKW)

Drywall
or
Building
Perimeter

Wall Finished End (FKF)

Variable Angle Wall Start (FKWA)

vertical post basics – landscape

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

- Accept horizontal rails to complete the frame structure
- Hold Fascias in place to finish the surface and provide space division
- Two cut outs near the bottom of the post are provided for electrics and communications pass-through (total of 6 jumpers)

Landscape Vertical Post Package (FLKV)

Landscape to Portrait Vertical Post Package (FLKVP)

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.

Base Leveler
Connector Bolt

Fascia Connector

Vertical Post

Base Leveler

planning with verticals – landscape

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

Landscape
Aluminum
Fascia Kit

| Landscape
Fascias | Landscape
Fascias |

Landscape
Fascias

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 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

| Portrait
Fascia | Landscape
Fascias |

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

planning with vertical post – landscape

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

Vertical Post packages are required at each end of a wall run

- 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)

planning with the vertical post – landscape (continued)

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 (FPF).

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

Landscape Fascias

Standard
Working Wall (W)

Vertical Post ⟶
Package

Light Working Wall (L)

Landscape Fascias

Cabinet
Working Wall (C)

Standard
Working Wall (W)

Landscape Fascias

Standard
Working Wall (W)

Vertical Post ⟶
Package

Light Working Wall (L)

Landscape Transition

Door
Corner
Wall Start
Wall End
Desk Frame
Aluminum Fascia Kit

step 2

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

Fascia Elevation Combinations														
W	W	W	W	C	L	L	L	L	W	W	W	W	W	W
W	W	W	C	C	C	L	L	L	L	W	W	W	L	L
W	W	C	C	C	C	C	L	L	L	L	W	L	L	C
W	C	C	C	C	C	C	C	L	L	L	L	C	C	C
FLKV W	FLKV C	FLKV C	FLKV C	FLKV C	CR*	CR*	CR*	FLKV L	FLKV L	FLKV L	FLKV L	CR*	CR*	CR*
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

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:

Height Code	Height Range	Height Code	Height Range
102	86"–102"	108	103"–108"
114	109"–114"	120	115"–120"

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

← Landscape to Portrait
Vertical Post Package

Light Working Wall (L)   Portrait Fascia

step 2

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

Landscape Elevation Combinations					
W W	W C	C C	L C	L L	W L
FLKV W	FLKV C	FLKV C	CR*	FLKV L	FLKV L
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)

vertical post package selector – landscape

To select the appropriate Landscape Vertical Post Package (FLKV) or Landscape to Portrait Vertical Post Package (FLKVP), consult the following chart:

Adjacent Wall Modules: Inner and Outer Elevations	Single Wall Modules: Inner and Outer Elevations								
	W+ W FLKV W	W+L FLKV L	W+C FLKV C	C+C FLKV C	L+L FLKV L	L+C CR	Landscape Aluminum Fascia Kit	Altos Desk W	Altos Desk L
W+W FLKV W	FLKV W								
W+L FLKV L	FLKV L	FLKV L							
W+C FLKV C	FLKV C	CR	FLKV C						
C+C FLKV C	FLKV C	CR	FLKV C	FLKV C					
L+L FLKV L	FLKV L	FLKV L	CR	CR	FLKV L				
L+C CR	CR	CR	CR	CR	CR	CR			
Land. Alum Fascia Kit	FLKV W	FLKV L	FLKV C	FLKV C	FLKV L	CR	FLKV W		
Altos Desk W	FLKV W	FLKV L	FLKV C	FLKV C	FLKV L	CR	FLKV W	FLKV W	
Altos Desk L	FLKV L	FLKV L	CR	CR	FLKV L	CR	FLKV L	FLKV L	FLKV L
*Doors	FLKV W	FLKV L	FLKV C	FLKV C	FLKV L	CR	FLKV W	FLKV W	FLKV L
*Corners	FLKV W	FLKV L	FLKV C	FLKV C	FLKV L	CR	FLKV W	FLKV W	FLKV L
*Wall Starts / *Wall Ends	FLKV W	FLKV L	FLKV C	FLKV C	FLKV L	CR	FLKV W	FLKV W	FLKV L
Portrait Fascia	FLKVP W	FLKVP L	FLKVP C	FLKVP C	FLKVP L	CR	FLKVP W	FLKVP W	FLKVP L
Tek Pier	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.

base & ceiling channel overview – landscape

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.

1. Ceiling Clip (FKP)
2. Ceiling Channel (FKN)
3. Horizontal Grommet (FBG)
4. Base Channel (FKC)
5. Wall Gasket (FKJ)
6. Vertical Reveal Cover Kit (FKJC)
7. Landscape Horizontal Rail Package (FLKH)

base & ceiling channel basics – landscape

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 Upper

Ceiling Clip Lower

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

Power and Communications Feed

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

Horizontal Grommet (FBG)
(not shown)
- 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

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

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

12" - 120" in ⅛
1/8" increments

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

planning with ceiling clips – landscape

The following should be considered when planning with Ceiling Clips.

Ceiling Profile	Ceiling Clip	Ceiling Profile	Ceiling Clip
5/16" 9/16"	FKP1 + FKP3	5/16" 9/16"	FKP5
5/16" 15/16"	FKP2 + FKP3	5/16" 9/16"	FKP5
9/16"	FKP1	5/16" 9/16"	FKP5
15/16"	FKP2	5/16" 9/16"	FKP5

• 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

planning with horizontal rails – landscape

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.

Standard Working Wall
• Functional Rails are available at the 36" and 84" datums

120"	Horizontal Rail
84"	Horizontal Rail
36"	Horizontal Rail
0"	Horizontal Rail / Base Channel

Monolithic or Base/Ceiling Fascia

Light Working Wall
• Functional Rails are available at the 36", 60" and 84" datums

120"	Horizontal Rail
84"	Horizontal Rail
60"	Horizontal Rail
36"	Horizontal Rail
0"	Horizontal Rail / Base Channel

Monolithic or Base/Ceiling Fascia

Cabinet Working Wall
• Functional Rails are available at the 21", 36", and 84" datums

120"	Horizontal Rail
84"	Horizontal Rail
36"	Horizontal Rail
21"	Horizontal Rail
0"	Horizontal Rail / Base Channel

Monolithic or Base/Ceiling Fascia

planning with horizontal rails – landscape (continued)

Full-Height Door (FPKHG)

Segmented-Height Door x 2 (FPKHG)

Horizontal Rail

Horizontal Rail

Horizontal Rail

Double Doors require a Double Door Transom & Frame Package as shown:

Horizontal Rail

Horizontal Rail

Hinged Double Door – Full-Height

Hinged Double Door – Segmented

Sliding Doors require Sliding Door Rail and Jamb Kits for Full or Segmented heights.

Rail

Horizontal Rail

Rail

Right-handed Glass Sliding Door – Full Height

Right-handed Glass Sliding Door – Segmented Height

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:

Fascia Elevation Combinations					
W W	C C	L L	W C	W L	L C
FLKH W	FLKH C	FLKH L	FLKH C	FLKH L	Additional Components Required*
Horizontal Rail Package Required					

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)

Shared Framework

Wall Side 2: Landscape

Wall Side 1: Landscape

Standard Working Wall

Light Working Wall

functional rail kit basics – landscape

The Functional Rail provides a universal continuous mounting location for the Altos Landscape shelving and accessories program.

Functional Rail

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)

desk frame basics – landscape

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

wall gasket basics – landscape

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

For the **Wall Gasket** at Base do **not** include any doorway opening dimensions

- 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.

Wall Gasket (FKJ)

- Required at both sides of a wall module at floor and ceiling junctions

- Used as a sound and light seal

- Is not required at the bottom of a door opening

fascia reveal inserts – landscape

An optional Black Vertical Reveal Cover Kit (FKJC) is available when planning with Platinum or Very White wall gaskets.

The following outlines the features:

Gasket color visible

Very White or Platinum wall gasket

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

New plastic reveal insert

Reveals remain black

The plastic reveal insert is black to match reveal lines.

corner & module connection overview – landscape

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.

Two–Way 90° Corner Cover (FKCN90) and Hardware for Altos Corner Connections (FKCH90)

Four-Way Corner Connection (FKC4)

Three–Way 180° Corner Cover (FKCN180) and Hardware for Altos Corner Connections (FKCH180)

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

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

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

On-Module
(FKM3_1)

Off-Module
(FKM3_2)

Off-Module
(FKM3_3)

90° corner connection basics – landscape

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

Two-Way 90˚ Frame Hardware Kit (FKCH90)

Provides the framework to connect two walls at 90°.

Four-Way Connection 90˚ Connection (FKC4)

Creates a full-height connection between four walls which are connected at 90°.

Three-Way 180˚ Frame Hardware Kit (FKCH180)

Provides the framework to connect three walls at 180°.

planning with 90° corner connections – landscape

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

Wall thickness should be accommodated in the planning process

3-15/16"

3-15/16"

42-1/8"

42"

42-1/8"

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

120"

1 module

2 modules

60"

59-7/8"

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.

135° corner cover basics – landscape

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°.

135°

135°

90°

Two–Way 135˚ Corner Cover (FKCN132)

Provides the frame work for two walls to be connected at 135°.

planning with 135° corner covers – landscape

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˚.

Placement 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.

Center-line of corner
Center-line of reveal
2-3/4"
1-1/8"

Outside of connection = 2-3/4"
Inside of connection = 1-1/8"
in each direction

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.

1-1/8"
1-1/8"

Inside of connection = 1-1/8"
in each direction

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 corner basics – landscape

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

Fixed Wall   Articulating Wall

FKCA2   FKCA3

planning with articulating corners – landscape

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.

Articulating Two-Way Corner shown with **left** pivot point orientation:

Articulating Two-Way Corner shown with **right** pivot point orientation:

Note the different vertical post positions between left and right pivot point orientation.

planning with articulating corners – landscape (continued)

Articulating Corners restrictions with Sliding Door

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

Similarly, when a Sliding door starts at an articulating wall, the inner angle is restricted to a minimum of 82˚.

module connection basics – landscape

The Three-Way 180° Module Connection provides options for on and off-module connections to an existing wall run.

Spine Wall

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

86" -120" high in 1" increments

Perpendicular Wall

Spine Wall

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

86" -120" high in 1" increments

Perpendicular Wall

planning with module connections – landscape

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

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.

Spine Wall

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.

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

Single Hinged Doors
Double Hinged Doors
Single Pivot Doors

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

Single Sliding Doors

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

Move walls to accommodate appropriate door widths

wall start & end basics – landscape

Altos offers three types of wall starts and wall ends for completing Altos runs.

Building Architecture

Altos Wall

108" or 120",
cut on site

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

Building Architecture

Altos Wall

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

+45° max

-45° max

2"

3/4"

+38° max

-38° max

½"

Nominal Adjustment

Minimum Adjustment

frame kit component basics – landscape

Base Levelers (FBB)

Horizontal Shoulder Screw (FBN)

Fascia Connector – Male (FBFM)

Fascia Connector – Female (FBFF)

Fascia Lock (FKL)

Horizontal End Cap (FBE)

landscape —
lighting, electrics &
communications

landscape – lighting, electrics & communications

comparing electrics & communication methods – landscape

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.

		Teknion	
	Field-supplied Electrics	Hardwire Electrics	Power Data Electrics
Daisy chaining			✓
Reconfigurations			✓
Back to back applications	Good	Good	Best
Licensed electrician labor	Most labor required	Most labor required	Minimum labor
Installer labor			Minimum labor
Mounting method	Fastens to back of fascia	Fastens to back of fascia with provided screws	Fastens to back of fascia with provided screws
Compatibility with Altos	Portrait and Landscape	Portrait and Landscape	Portrait and Landscape
Standard cut out height	Base height, 18" height and worksurface height	Base height, 18" height and worksurface height	15" height (landscape) and worksurface height
Cut out orientation	Vertical and Horizontal	Vertical and Horizontal	Vertical and Horizontal
Control receptacles	✓		✓
USB receptacles	✓		✓
Wire systems	• Standard Circuit • Isolated Circuit	• Standard Circuit • Isolated Circuit	• 4B • 7G • 8K • 5D • 8T
Compatible with Teknion Standard electrical wiring systems			✓
Type of circuit	All local options available	120 volt; 15 amp and 20 amp options	120 volt; 15 amp and 20 amp options
Electrical components available	Uses industry standard receptacles commonly used in drywall applications. Contractor provides all electrical components - only the Fascias are specified with cut outs	ERM, ECM, ELS, EFCC	EPDMC, EPDMS, EPDMD, EPDMT, EPDMQ, EPDDB, EPDIC, EPDSC, EPDCH, EPDHC, EPDHS, EPDHD

comparing electrics & communication methods – landscape (continued)

	Teknion	
	Landscape Collection Support Electrics	**Altos Desk Power Accessories**
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 • 7G • 5D • 8T • 6G • 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 Cube, High Capacity (EPWRH) • Power Rod (ELPR) • Rectangular Grommet (FLGR)

power accessories

Power Cube (EPWRC)

Power Cube, High Capacity (EPWRH)

Power Rod (ELPR)

Rectangular Grommet (FLGR)

comparing electrics & communication methods – landscape (continued)

The following chart helps visualize the differences between Teknion's Hardwire and Power Data electrical systems for Altos Landscape.

Hardwire Electrics

Vertical cut outs (applicable for 15"H)

Duplexes and data boxes are specified separately.

Data jacks/faceplates are not included on communications module.

Images are for illustration purposes only.

Horizontal cut outs (applicable for worksurface height)

Power Data Electrics

Vertical cut outs (applicable for 15" high)

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.

Horizontal cut outs (applicable for worksurface height)

comparing electrics & communication faceplates – landscape

The following chart helps visualize the differences in sizing for Teknion's Hardwire and Power Data electrical systems for Altos Landscape.

Description	Where Used	Overall Dimensions & Image
Single size faceplate for Horizontal and Vertical Power Data Module	EPDHC EPDHS EPDMC EPDMS ERGMS	Width= 4.196 inches (107 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs
Double size faceplate for Vertical Power Data Modules	EPDMD ERGMD	Width= 6.262 inches (159 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs
Triple size faceplate for Vertical Power Data Modules	EPDMT ERGMT	Width= 8.329 inches (212 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs
Quad size faceplate for Vertical Power Data Modules	EPDMQ ERGMQ	Width= 10.396 inches (264 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs
Double size faceplate for Horizontal Power Data Modules	EPDHD	Width= 10.449 inches (265 mm) Height= 4.208 inches (107 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs

lighting overview – landscape

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 Aluminum 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

42"

wall-mounted light basics – landscape

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

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)

Touch switch

collection support electrics – landscape

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

planning with wall-mounted lights – 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.

planning with wall-mounted lights – landscape (continued)

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

Light Beam

Light Beam

When Landscape Wall-Mounted Lights are planned back-to-back they must be specified as the same application on both sides of the wall.

Task and Task

Task and Ambient

Light Beam

Light Beam

Light Beam

Light Beam

Light Beam

planning with wall-mounted lights – landscape (continued)

- 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).

Wire Exit on left

Altos Light

Left Handed

Wire Exit on right

Altos Light

Right Handed

Left handed Lights have wire exits on the left when facing the wall.

Right handed Lights have wire exits on the right when facing the wall.

Fascia Module

Fascia Module

Light 1

Light 2

Vertical Reveal

When justified to edge of fascia module, Light will align to 6mm vertical reveal

- 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

planning with wall-mounted lights – landscape (continued)

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, EPDMD, EPDMT, EPDMQ)

— Ceiling Feed condition
— Base Feed condition

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 building power

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

Light Switch (ELS)
(Site-cut location)

Around Functional Rail
to building power

Through Standard Vertical
to building power

Ceiling

Standard Horizontal

Functional Rail

84"

Functional Rail

36"

33" AFF

15" AFF

Standard Horizontal

Floor

C/L

Ceiling Feed condition
Base Feed condition

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 (FTTK) to run the Light cord within the vertical and horizontal reveal

Transformer and Bracket

Light Power Feed (ELPF) and Bracket

To building power

Ceiling

Standard Horizontal

Landscape Wall-Mounted Light (ELWML) Switch Type: Touch Switch or No Switch

Functional Rail

84"

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).

36"

Standard Horizontal

Floor

Transformer and Bracket

Light Power Feed (ELPF) and Bracket

To building power

Ceiling Feed condition
Base Feed condition

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 a 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

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

• Use Installation Tool (FTTK) to run the Light cord within the vertical and horizontal reveal

To building power

Transformer and Bracket

Light Power Feed (ELPF) and Bracket

Junction Box (not Teknion)

Ceiling

Standard Horizontal

Landscape Wall-Mounted Light (ELWML) Switch Type: Touch Switch or No Switch

Functional Rail

84"

When planning with a Remote Switch use one of the following to bypass Functional Rails:
A. Aluminum Fascia Kit (FLFK) (shown)
B. Altos fascia
C. Drywall partition

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).

Use Light Switch (ELS) as Remote Switch (42" AFF)

Use Light Switch (ELS) as Remote Switch (site-cut location)

Standard Horizontal

36"

Standard Horizontal

Floor

Transformer and Bracket

Light Power Feed (ELPF) and Bracket

Base Feed

Junction Box (not Teknion)

To building power

─── Ceiling Feed condition
─── Base Feed condition

planning with wall-mounted lights – landscape (continued)

Desk with Light (Touch Switch or No Switch)

• When planning with an Landscape Desk (Fixed or Height-Adjustable) and a Wall-Mounted Light (ELWML) with the Touch Switch or No Switch option, a 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)

• Standard Power Cube (EPWRC), High Capacity Power Cube (EPWRH), 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)

Ceiling / Underfloor Feed (ECF) to building power

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

Ceiling Feed condition
Base Feed condition
Power Cube cable
Desk Switch cable
Power Rod cable
Motor Assembly cables
Control Box Power cable

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)

Ceiling / Underfloor Feed (ECF) to building power
Light Power Feed (ELPF) and Bracket
Junction Box in Ceiling (not Teknion)
Ceiling
Transformer and Bracket
Standard Horizontal
Functional Rail
Standard Horizontal
84"
Landscape Wall-Mounted Light (ELWML) Switch Type: Touch Switch or No Switch
Transformer and Bracket
Light cable is routed through Desk Framework to Junction Box
Use Light Switch (ELS) as Remote Switch (site-cut location)
36"
Floor
Ceiling / Underfloor Feed (ECF) to building power
Light Power Feed (ELPF) and Bracket
Junction Box in Floor (not Teknion)

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

Ceiling Feed condition
Base Feed condition
Power Cube cable
Desk Switch cable
Power Rod cable
Motor Assembly cables
Control Box Power cable

planning with power/communication fascias – landscape

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

	Horizontal cut outs	Vertical cut outs
15" height		✓ Hardwire ✓ Power Data 15" above finished floor to center-line of cut out
Worksurface Height	✓ Hardwire ✓ Power Data 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.

No need for electrical access	No cut outs	1L			
Power Data	15" AFF Height	SL	DL	TL	QL
	33" AFF Height (worksurface height)	FL	GL		
	Combined Heights (15" and worksurface heights)	LL	ML		
Hardwire	15" AFF Height	4L	3L		
	33" AFF Height (worksurface height)	XL	YL	ZL	

fascia power/communication cut out restrictions – landscape

The number of cut outs for hardwire, modular and power data electrics depends on Fascia width. The chart below outlines the number of openings available by size in Altos Landscape.

Fascia Cover Caps (EFCC) can be ordered to cover unused hardwired cut outs by size.

		Cut Out Descriptions	Width Restrictions
No need for electrical access	1L	No cut outs	for Fascias 12" to 120" wide
Power Data	SL	15" AFF Height Vertical Cut Out for Single Module	for Fascias 14" to 120" wide
	DL	15" AFF Height Vertical Cut Out for Double Module	for Fascias 18" to 120" wide
	TL	15" AFF Height Vertical Cut Out for Triple Module	for Fascias 22" to 120" wide
	QL	15" AFF Height Vertical Cut Out for Quad Module	for Fascias 26" to 120" wide
	FL	33" AFF (Worksurface Height) Horizontal Cut Out for Single Module	for Fascias 17" to 120" wide
	GL	33" AFF (Worksurface Height) Horizontal Cut Out for Double Module	for Fascias 27" to 120" wide
	LL	Combination: 33" AFF (Worksurface Height) Horizontal Cut Out for Single Module and 15" AFF Height Vertical Cut Out for Double Module	for Fascias 17" to 120" wide
	ML	Combination: 33" AFF (Worksurface Height) Horizontal Cut Out for Double Module and 15" AFF Height Vertical Cut Out for Double Module	for Fascias 27" to 120" wide
Hardwire	4L	15" AFF Height 1 Vertical Cut Out	for Fascias 12" to 120" wide
	3L	15" AFF Height 2 Vertical Cut Outs	for Fascias 21" to 120" wide
	XL	33" AFF (Worksurface Height) 1 Horizontal Cut Out	for Fascias 17" to 120" wide
	YL	33" AFF (Worksurface Height) 2 Horizontal Cut Outs	for Fascias 27" to 120" wide
	ZL	33" AFF (Worksurface Height) 3 Horizontal Cut Outs	for Fascias 36" to 120" wide

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

Faceplate

Decora Receptacle

Electrical Box

Wiring

Electrical and communication cut outs installed in these locations

Modular Furniture Faceplate **Decora Strap**

1.38"

2.72"

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.

hardwire electrics & communications basics – landscape (continued)

• One size cut out fits both receptacle and Communications Modules

• Any combination of Receptacles or Communications Module are possible

planning with hardwire electrical & communications – landscape

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

Hardwired Circuit Diagram

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

understanding power data electrics – landscape

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 basics – landscape

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 components – landscape

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.

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

*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 components – landscape (continued)

Power data electrics consists of the following components to route power to Altos panels

	Description	Visual	Length
Power Data Four-Way Splitter (EPDDB)	• 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 receptacle outlets – landscape

Power data receptacles are available in 15 amp, 20 amp and with USB options. Please see chart for possible combinations.

- Control receptacles combined with Power Data circuits allows plug loads control for reducing energy consumption. Ref ANSI/ASHRAE/IES Standard 90.1, California Energy Commission (CEC) Title 24, part 6.
- USB receptacles are only available in Circuit 1
- USB receptacles cannot be on a controlled circuit

	Power Receptacles						Data Openings
	15 amp			20 amp			
Receptacle outlets							
	Standard Outlet (S)	Controlled Outlet (D)	USB (A+C)* Outlet (U)	Standard Outlet (T)	Controlled Outlet (E)	USB (A+C)* Outlet (W)	Data Opening (0)

*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:

2.72"

1.38"

Data opening accepts modular furniture faceplates (supplied by others)

understanding controlled receptacles – landscape

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

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

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

determinating 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

Calculated Length	Product combination to order
0" to 47"	EPDCH48
48" to 71"	EPDCH72
72" to 95"	EPDCH96
96" to 119"	EPDCH120
120" to 143"	EPDCH144
144" to 167"	EPDCH120, EPDIC, EPDCH48
168" to 191"	EPDCH120, EPDIC, EPDCH72
192" to 215"	EPDCH120, EPDIC, EPDCH96
216" to 239"	EPDCH120, EPDIC, EPDCH120
240" to 263"	EPDCH120, EPDIC, EPDCH144
264" to 287"	EPDCH144, EPDIC, EPDCH144

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.

96" harness

72"	72"
Panel A	Panel B

Harness calculation: $\dfrac{72"}{2}$ + $\dfrac{72"}{2}$ = 72" ⟶ EPDCH96

A   B   calculated length   product to order

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

120" harness   48" harness

in-line connector

72"	72"	72"
Panel A	Panel B	Panel C

Harness calculation: $\dfrac{72"}{2}$ + 72" + $\dfrac{72"}{2}$ = 144" ⟶ EPDCH120 EPDIC EPDCH48

A   B   C   calculated length   products to order

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

120" harness   in-line connector   72" harness

72"	72"	72"
Panel A	Panel B	Panel C

When passing through unpowered fascias with obstructions such as glass panels, a change of height is necessary to route power at base.

Harness calculation: $\dfrac{72"}{2}$ + 72" + $\dfrac{72"}{2}$ + 30" = 174" ⟶ EPDCH120 EPDIC EPDCH72

A   B   C   drop and rise   calculated length   products to order

determinating harness lengths – landscape (continued)

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

Back-to-back modules

No harness required

72" Panel A

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

Passing through corner connections

72" harness

72" Panel A

72" Panel B

Harness calculation:

$$\frac{72"}{2} + \frac{72"}{2} + 14" = 86" \longrightarrow EPDCH96$$

A — B — pass thru post — calculated length — product to order

Connecting a module at 33" AFF with one at 15" AFF on the same panel

72" Panel A

Connecting three or four Modules in the same panel

48" harness

72" Panel A

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.

planning with power data power distribution–landscape

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.

Power path	Number of maximum connectors per cut out	
	Portrait Power Data	Landscape Power Data
In-line through two vertical post	3	3
Through horizontal	2	2
Through horizontal at the base	2	2
Two-Way 90˚, through two vertical posts	3-3 as shown	2-2 limit
Three-Way 90˚, through three vertical posts	3-3 as shown	2-2 limit
Three-Way 90˚, through three vertical posts	3-2-1	3-2-1

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–landscape (continued)

Power path	Number of maximum connectors per cut out	
	Portrait Power Data	Landscape Power Data
Three-Way 90°, through three vertical posts	3-2-3	3-2-3
Three-Way 90°, through three vertical posts	2-3-3 as shown	2-2-2 limit
Three-Way 90°, through three vertical posts	2-2-2	2-2-2
Four-Way, through vertical post. Must drop down to make a turn	1-1	1-1
4" base fascia power routing	2	2
Routed vertically through corner connection	1	1

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 – 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.

planning with power data power distribution – landscape (continued)

harness

Harnesses cannot be linked together.
An in-line connector or a four-way splitter should be specified to connect them.

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power data modules

Power data modules cannot be linked together.

A four-way splitter should be specified to connect them.

power data information for electricians – landscape

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

power data information for electricians – landscape (continued)

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)

8T 8 Wire 4 circuit (3+1 Isolated Ground)

8K 8 Wire 4 circuit (2+2) - Dual isolated

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

Work Space 1   Work Space 2   Work Space 3

Legend

⊖▭ Duplex Receptacle, Standard Electrical Outlet 120 volt, 15 or 20 amp

⬤▭ Duplex Receptacle, Isolated Ground 120 volt, 15 or 20 amp

◁ Telephone Outlet

- 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.

(X) **Elevation**   (Y) **Elevation**   (Z) **Elevation**

fascia cut out locations

Fascia cut outs are required for accessing power and communications. Cut out locations vary depending on the application type.

15" Height – Vertical cut outs
Applicable to hardwire and power data communications module

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

33" Worksurface Height
Applicable to hardwired

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

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 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.

Work Space #	Requirement	Amps	Module Required	Type of Circuit	Circuit
1	Personal Computer	4.00			
	Desk Lamp	1.00			
	One Convenience Outlet	4.00			
	Total Amps #1	**9 amps**			
2	Personal Computer	4.00			
	Desk Lamp	1.00			
	One Convenience Outlet	4.00			
	Total Amps #2	**9 amps**			
3	Personal Computer	4.00			
	Laser Printer	7.00			
	Desk Lamp x 2	2.00			
	Total Amps #3	**13 amps**			
	Total Amperage	**31 amps**			

Work Space 1   **Work Space 2**   **Work Space 3**

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.

Work Space #	Requirement	Amps	Module Required	Type of Circuit	Circuit
1	Personal Computer	4.00	Duplex Receptacle	Isolated Ground or Standard, 120 V, 15 amp	
	Desk Lamp	1.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	One Convenience Outlet	4.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	Total Amps #1	**9 amps**			
2	Personal Computer	4.00	Duplex Receptacle	Isolated Ground or Standard, 120 V, 15 amp	
	Desk Lamp	1.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	One Convenience Outlet	4.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	Total Amps #2	**9 amps**			
3	Personal Computer	4.00	Duplex Receptacle	Isolated Ground or Standard, 120 V, 15 amp	
	Laser Printer	7.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	Desk Lamp x 2	2.00	Duplex Receptacle	Standard, 120 V, 15 amp	
	Total Amps #3	**13 amps**			
	Total Amperage	**31 amps**			

Work Space 1   **Work Space 2**   **Work Space 3**

Legend

⊖=	**Duplex Receptacle, Standard Electrical Outlet 120 volt, 15 or 20 amp**	◁	**Telephone Outlet**
●=	**Duplex Receptacle, Isolated Ground 120 volt, 15 or 20 amp**	◄	**Communications Outlet with Twisted Pair Signal Cable**

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.

Work Space #	Requirement	Amps	Module Required	Type of Circuit	Circuit
1	Personal Computer	4.00	Duplex Receptacle	Isolated Ground or Standard, 120 V, 15 amp	A
	Desk Lamp	1.00	Duplex Receptacle	Standard, 120 V, 15 amp	B
	One Convenience Outlet	4.00	Duplex Receptacle	Standard, 120 V, 15 amp	B
	Total Amps #1	**9 amps**			
2	Personal Computer	4.00	Duplex Receptacle	Isolated Ground or Standard, 120 V, 15 amp	A
	Desk Lamp	1.00	Duplex Receptacle	Standard, 120 V, 15 amp	C
	One Convenience Outlet	4.00	Duplex Receptacle	Standard, 120 V, 15 amp	C
	Total Amps #2	**9 amps**			
3	Personal Computer	4.00	Duplex Receptacle	Isolated Ground or Standard, 120 V, 15 amp	A
	Laser Printer	7.00	Duplex Receptacle	Standard, 120 V, 15 amp	D
	Desk Lamp x 2	2.00	Duplex Receptacle	Standard, 120 V, 15 amp	D
	Total Amps #3	**13 amps**			
	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 whats 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

collection overview – landscape

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, EPWRH)**

- Provides user accessible Power, USB and Data to the Landscape Desk
- A minimum clearance space of 3.25" diameter is required below worksurface to accomodate Power Qube with Grommet Mount applications

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

shelf basics – landscape

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 Solid shelf (FLSS) (Shown)

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

planning with shelves – landscape

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

- A Shelf's nominal width must be equal to or less than nominal width 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

planning with shelves – landscape (continued)

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"

desk basics – landscape

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

- When a cut out is specified, a Rectangular Grommet (FLGR) must be ordered separately

- 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 In-Wall Connection for Height-Adjustable Desk (FLDHAC)
- Provides connection needed from Landscape Height-Adjustable Desk (FLDHA) to Landscape Desk Frame (FLDF)

- Available for single or double sided applications

Landscape In-Wall Connection for Fixed Desk (FLDFXC)
- Provides connection needed from Landscape Fixed Desk (FLDFX) to Landscape Desk Frame (FLDF)

- Available for single or double sided applications

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

planning with desks – landscape

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.

120"	
84"	
36"	– All worksurfaces are aligned
Fixed Desk at 29" high	Fixed Desk at 29" high
	– Floor

Highest Floor Point   **Lowest Floor Point**

Desks do not follow the floor as worksurfaces will not align.

120"	
84"	
36"	– – All worksurfaces are not aligned
Fixed Desk at 29" high	Fixed Desk at 29" high
	– Floor

Highest Floor Point   **Lowest Floor Point**

planning with desks – landscape (continued)

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.

Justified
Ceiling Fascia

Justified Fascia

Justified Fascia

Upper Fascias
(W2 and W3)

Under desk
Fascias (W1)

Justified
Base Fascia

Justified Left Desk

Justified
Ceiling Fascia

Justified Fascia

Justified Fascia

Justified
Base Fascia

Justified Right Desk

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.

Justified
Ceiling Fascia

Standard Fascia

Standard Fascia

Upper Fascias
(W2 and W3)

Under desk
Fascias (W1)

Justified
Base Fascia

Centered Desk

planning with desks – landscape (continued)

- Desk can be planned below a Framed and Frameless Glass Markerboard fascia. However, they **cannot** be specified below a Glass Fascia, including a Landscape Clerestory

- Landscape Desks **cannot** have a greater width than the width of the wall module it is mounted on

Single Sided - Centered

Single Sided - Justified (left shown)

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.

Height-Adjustable Height-Adjustable

Fixed Height-Adjustable

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

planning with desks – landscape (continued)

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

Wall Module

Nominal Depth
(example: 30")

Actual Depth
(example: 28-7/8")

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 Desks 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.

Shelf   Minimum 1"

36"

21"

Maximum 6"

minimum
1"

84"

36"

* 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.

planning with desks – landscape (continued)

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

6" overlap zone

Overlapping with a 30" deep desk

12" overlap zone

planning with desks – landscape (continued)

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

Wall module = A + B + A

Justified left on wall module

Wall module = A + B

Justified right on wall module

Wall module = A + B

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")

planning with desks – landscape (continued)

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

1-1/8" gap accounted for (built into wall module for desk)

Corner desk   Adjacent desk   Corner desk

Wall module = A + B + A

Centered desk on wall module

Adjacent desk

Corner desk   Corner desk

Justified right desk on wall module   Justified left desk 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.

Justified desk wall module

Corner or adjacent desk

Adjacent desk   Corner desk

Centered desk on wall module   Justified left desk on wall module

planning with desks – landscape (continued)

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:

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:

planning with desks – landscape (continued)

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

application guide

desk accessory overview – landscape

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.

On-desk Accessories are available in *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

High Capacity Power Cube (EPWRH):
- High Power version of Power Cube will offer 65 watt maximum at 5 to 20 volts DC when used alone
- USB ports of the High Capacity Power Cube will be vertical
- Due to transformer size, maximum combined output is 30 watts when both ports are used
- 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

desk finishes – landscape

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, EPWRH) 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

wall-mounted cabinet basics – landscape

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

planning elevated cabinets – landscape

The following should be considered when planning with Landscape Elevated Cabinets.

Fascia module

No gap is required between
two cabinets side by side

Cabinet 1   Cabinet 2

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.

60" Fascia Module

1-1/2mm overhang

60"

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

Fascia module   Fascia module

Vertical reveal

Cabinet

Landscape Elevated Cabinets cannot span across a vertical reveal.

planning elevated cabinets – landscape (continued)

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

• Cabinet nominal width must be equal to or less than nominal width of the fascia.

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.

portrait &
landscape - doors

portrait & landscape - doors

Altos offers a variety of doors that meet a range of privacy and functional needs – the three basic types are: Hinged, Pivot and Sliding.

- Some doors are available in glass, solid, and solid with glass insert options. Both as Single leaf or double leaf doors
- Door leaves, Jambs and Rail Kits are necessary to complete a full door package
- 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
- Check local code requirements, as in some jurisdictions the use of Sliding Doors limits room occupancy to a maximum of 10 people
- Used for both Portrait and Landscape applications
- Locking or non-locking is available

Sliding Door   Hinged Door   Pivot Door

Swing Doors		Sliding Doors
Hinged Doors	**Pivot Doors**	

building up a complete door module

- Door leaves, Jamb Kits, Rails (for Sliding doors only) and Handles need to be specified to create a complete door module
- Fascias above and adjacent to doors need to be specified separately

Jamb Kit

Door Leaf

Complete Hinged Door Package = Door Leaf + Jamb Kit + Handle

Handle

Jamb Kit

Door Leaf

Complete Pivot Door Package = Door Leaf + Jamb Kit + Handle

Handle

Rail Kit

Jamb Kit

Door Leaf

Complete Sliding Door Package = Door Leaf + Jamb Kit + Rail Kit + Handle

Handle

To determine the necessary fascias above each Door leaf, use the following chart:

	Full height	Segmented Height	
		With Solid Transom	With Glass Transom
Single Leaf Doors	2 ceiling fascias, 1 per side	2 ceiling fascias, 1 per side + 2 solid fascias 'S2' location, 1 per side	2 ceiling fascias, 1 per side + 1 glass fascia 'S2' location, centered
Double Leaf Doors	2 ceiling fascias, 1 per side	2 ceiling fascias, 1 per side + 2 solid fascias 'S2' location, 1 per side	2 ceiling fascias, 1 per side + 1 glass fascia 'S2' location, centered.

hinged single door basics

Hinged doors permit a swing opening up to 180° (actual 176° with door stop).
A Bottom seal is an option to minimize sound leakage at the bottom of the solid doors (up to 0.5" gap under door).

Glass Hinged Door LP Leaf Single (FDSGZL) and Glass Hinged Door Leaf Single (FDSGHL)

Full Height   **Segmented Height with Solid Transom**   **Segmented Height with Glass Transom**

- 10mm thick (3/8" nominal thickness) glass leaf
- Available in 40" and 42" nominal widths
- Available with 4" and 6" ceiling fascia height, or segmented height
- Optional 10" high stainless steel kickplate (ADA)
- Magnetic Catch to be used when ordered with floor, ceiling and linear pull handles
- Glass Type: Tempered or Tempered-Laminated
- Glass Finish: Clear or Frosted
- Frame Component Finishes: Clear Anodized or Painted

Solid Hinged Door LP Leaf with Glass Insert Single (FDSNZL) and Solid Hinged Door Leaf with Glass Insert Single (FDSNHL)

Full-Height   **Segmented Height with Solid Transom**   **Segmented Height with Glass Transom**

- 1-3/4" thick solid leaf with 6mm thick glass insert
- Available in 40" and 42" nominal widths
- Available with 4" and 6" ceiling fascia height, or segmented height
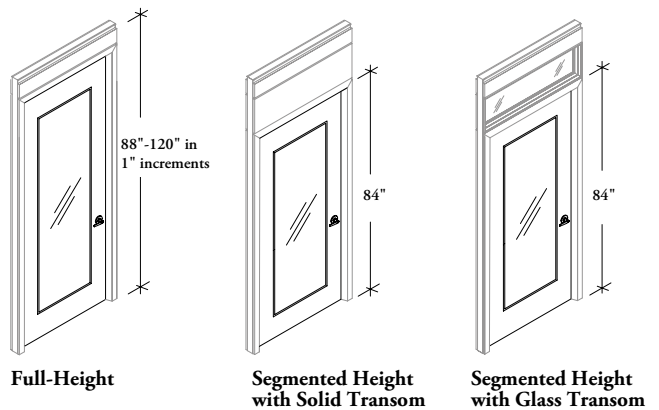- Optional Bottom Seal
- Magnetic Catch to be used when ordered with floor, ceiling and linear pull handles
- Solid Finishes: Laminate or Flintwood
- Glass Type: Tempered or Laminated
- Glass Finish: Clear or Frosted
- Frame Component Finishes: Clear Anodized or Painted

Solid Hinged Door LP Leaf Single (FDSSZL) and Solid Hinged Door Leaf Single (FDSSHL)

Full Height   **Segmented Height with Solid Transom**   **Segmented Height with Glass Transom**

- 1-3/4" thick solid leaf
- Available in 40" and 42" nominal widths
- Available with 4" and 6" ceiling fascia height, or segmented height
- Optional Bottom Seal
- Magnetic Catch to be used when ordered with floor, ceiling and linear pull handles
- Solid Finishes: Unfinished, Laminate or Flintwood
- Component Finishes: Clear Anodized or Painted

Magnetic Catch

- On all Swing Doors using floor, ceiling and linear pull handles
- Adjustable catch force
- Integrated into door leaf and jamb

hinged double door basics

Hinged doors permit a swing opening up to 180° (actual 176° with door stop).
A Bottom seal is an option to minimize sound leakage at the bottom of the solid doors (up to 0.5" gap under door).

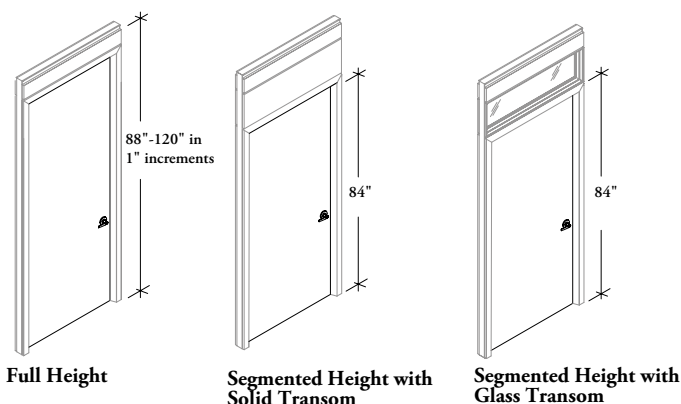**Glass Hinged Door LP Leaf Double (FDDGZL) and Glass Hinged Door Leaf Double (FDDGHL)**

Segmented Height with Solid Transom

Segmented Height with Glass Transom

- 10mm thick (3/8" nominal thickness) glass double leaf
- Available in 72" and 80" nominal widths
- Available with segmented height
- Optional 10" high stainless steel kickplate (ADA)
- Glass Type: Tempered or Tempered-Laminated
- Glass Finish: Clear or Frosted
- Frame Component Finishes: Clear Anodized or Painted

Solid Hinged Door LP Leaf with Glass Insert Double (FDDNZL) and Solid Hinged Door Leaf with Glass Insert Double (FDDNHL)
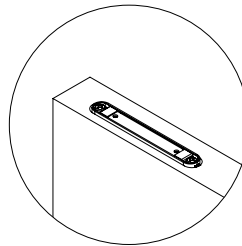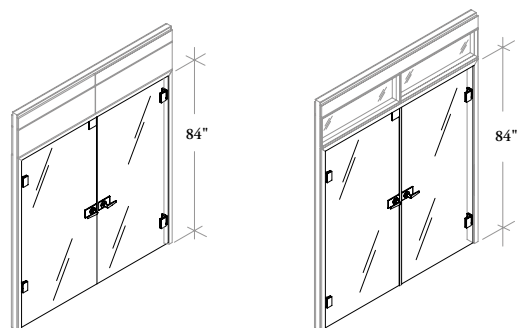
Full-Height

Segmented Height with Solid Transom

Segmented Height with Glass Transom

- 1-3/4" thick solid double leaf with 6mm thick glass inserts
- Available in 72", 80" and 84" nominal widths
- Available with 4" and 6" ceiling fascia height, or segmented height
- Optional Bottom Seal
- Solid Finishes: Laminate or Flintwood
- Glass Type: Tempered or Laminated
- Glass Finish: Clear or Frosted
- Frame Component Finishes: Clear Anodized or Painted

Solid Hinged Door LP Leaf Double (FDDSZL) and Solid Hinged Door Leaf Double (FDDSHL)

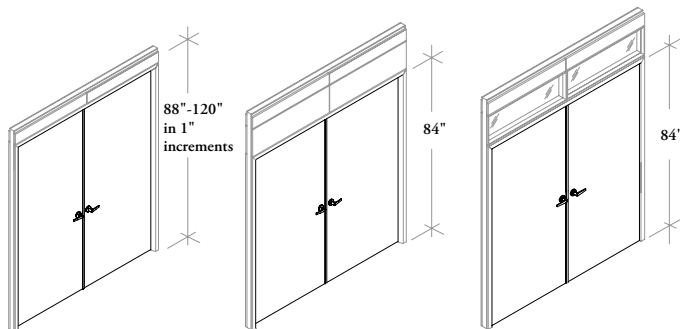**Full Height**

Segmented Height with Solid Transom

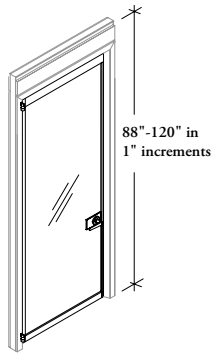**Segmented Height with Glass Transom**

- 1-3/4" thick solid double leaf
- Available in 72", 80" and 84" nominal widths
- Available with 4" and 6" ceiling fascia height, or segmented height
- Optional Bottom Seal
- Solid Finishes: Unfinished, Laminate or Flintwood
- Component Finishes: Clear Anodized or Painted

Pivot doors permit a swing opening up to 180° (actual 176° with door stop). It has enhanced acoustic performance offered by its continuous Frame Seal.

Glass Pivot Door LP Leaf Single (FDSGPL)

88"-120" in 1" increments

Full-Height

84"

Segmented Height with Solid Transom

84"

Segmented Height with Glass Transom

10" Base

Optional 10" high Integrated ADA aluminum kickplate

- 10mm thick (3/8" nominal thickness) glass leaf

- Available in 40" and 42" nominal widths

- Available with 4" and 6" ceiling fascia height, or segmented height

- Optional 10" high stainless steel kickplate (ADA)

- Optional adjustable door closer/door stay

- Magnetic Catch to be used when ordered with floor, ceiling and linear pull handles

- Glass Type: Tempered or Tempered-Laminated

- Glass Finish: Clear or Frosted

- Frame Component Finishes: Clear Anodized or Painted

Optional adjustable door closer / door stay
- Concealed closer

- Adjustable closing speed

- Closer Arm and track finished in Clear Anodized or Black

- Hold Open feature is included with the Closer Mechanism

- Maximum 110˚ opening range

- Cannot be specified with magnetic catch

Magnetic Catch
- Only on doors when specifying Floor, Ceiling and Linear Pull handles

- Adjustable latching force

- Integrated into door leaf and jamb

- Cannot be specified with door closer/door stay

single sliding door basics

Glass Sliding Door Leaf Single (FDSGSL)

88"- 120" with 4" high ceiling Fascia

88" or 90" - 120" in 1" increments

90"- 120" with 6" high ceiling Fascia

84"

84"

Full-Height
(Landscape shown)

Segmented Height with Solid Transom
(Portrait shown)

Segmented Height with Glass Transom
(Portrait shown)

- 10mm thick (3/8" nominal thickness) glass leaf
- Available in 40", 42", 44" and 48" nominal widths
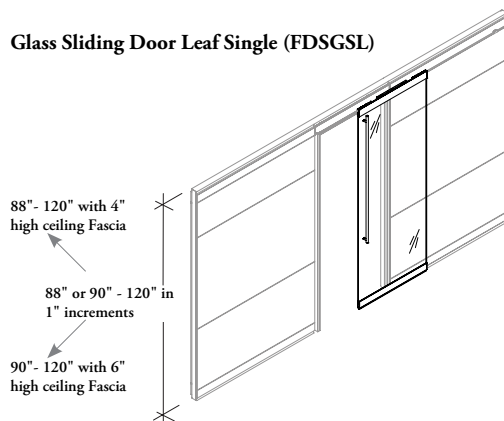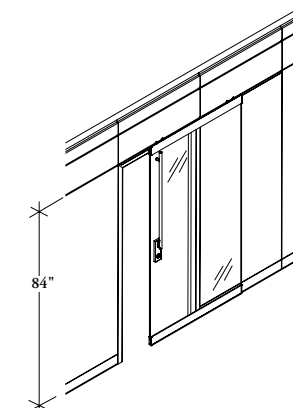- 48" wide Door is not available in ceiling heights greater than 108"
- Available with 4" and 6" ceiling fascia height, or segmented height
- Door Application: Interior and Exterior
- Door Slide: Left or Right
- Glass Type: Tempered or Tempered-Laminated
- Glass Finish: Clear or Frosted
- Header and Base Cover Finish: Clear Anodized or Painted
- Soft Close / Open Mechanism Standard

Solid Sliding Door Leaf with Glass Insert Single (FDSNSL)

88" - 120" in 1" increments

84"

84"

Full-Height
(Portrait shown)

Segmented Height with Solid Transom
(Landscape shown)

Segmented Height with Glass Transom
(Portrait shown)

- 1-3/4" thick solid leaf with 6mm thick glass insert
- Available in 40", 42", 44" and 48" nominal widths
- 48" wide Door is not available in ceiling heights greater than 108"
- Available with 4" and 6" ceiling fascia height, or segmented height
- Door Application: Interior and Exterior
- Door Slide: Left or Right
- Solid Finishes: Laminate or Flintwood
- Glass Type: Tempered or Laminated
- Glass Finish: Clear or Frosted
- Header and Base Cover Finish: Clear Anodized or Painted
- Soft Close / Open Mechanism Standard

single sliding door basics (continued)

Solid Sliding Door Leaf Single (FDSSSL)

88" - 120" in 1"
increments

Full-Height
(Portrait shown)

84"

Segmented Height with Solid Transom
(Portrait shown)

84"

Segmented Height with Glass Transom
(Landscape shown)

• 1-3/4" thick solid leaf

• Available in 40", 42", 44" and 48" nominal widths

• 48" wide Door is not available in ceiling heights greater than 108"

• Available with 4" and 6" ceiling fascia height, or segmented height

• Door Application: Interior and Exterior

• Door Slide: Left or Right

• Solid Finishes: Laminate or Flintwood

• Header and Base Cover Finish: Clear Anodized or Painted

• Soft Close / Open Mechanism Standard

sliding double door basics

Glass Sliding Door Leaf Double (FDDGSL)

90"- 120" with 6" high ceiling Fascia

88" - 120" in 1" increments

Door Edge Detail

Provides an acoustic seal and protection for glass edge

Full-Height

- 10mm thick (3/8" nominal thickness) glass double leaf
- Available in 70", 72", 78" and 80" nominal widths
- Available with 4" and 6" ceiling fascia height
- Door Application: Interior and Exterior
- Glass Type: Tempered or Tempered-Laminated
- Glass Finish: Clear or Frosted
- Header and Base Cover Finish: Clear Anodized or Painted
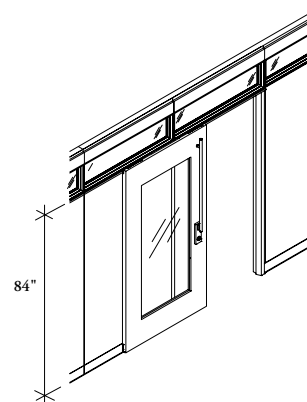- Soft Close / Open Mechanism Standard

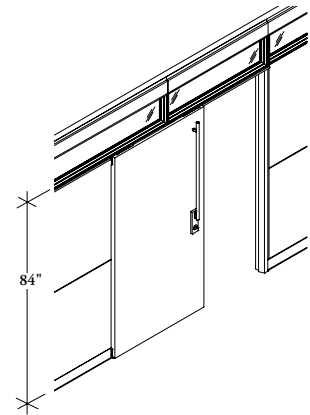**Jambs are independent frames that cover the vertical and horizontal structural elements in a door assembly.**

Solid Hinged Door LP Jamb Kit Single (FDSSZF)

Jamb for the Solid Hinged Door LP Leaf Single (FDSSZL) and the Solid Hinged Door LP Leaf with Glass Insert Single (FDSNZL)

• Jamb Kit consists of jamb frame, connection hardware (including hinges), adjustable strike plate, one door stop

• Available in 40" and 42" nominal widths

Glass Hinged Door LP Jamb Kit Single (FDSGZF)

Jamb for the Glass Hinged Door LP Leaf Single (FDSGZL)

• Jamb Kit consists of jamb frame, connection hardware (including hinges), adjustable strike plate, one door stop

• Available in 40" and 42" nominal widths

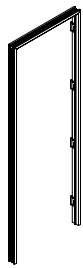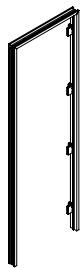**Solid Hinged Door LP Jamb Kit Double (FDDSZF)**

Jamb for the Solid Hinged Door LP Leaf Double (FDDSZL) and the Solid Hinged Door LP Leaf with Glass Insert Double (FDDNZL)

• Jamb Kit consists of jamb frame, one Horizontal Rail (FPKK), one intermediate vertical post, connection hardware (including hinges), flush bolt, adjustable strike plate, two door stops

• Available in 72", 80" and 84" nominal widths

Glass Hinged Door LP Jamb Kit Double (FDDGZF)

Jamb for the Glass Hinged Door LP Leaf Double (FDDGZL)

• Jamb Kit consists of jamb frame, two Horizontal Rails (FPKK), two intermediate vertical posts, connection hardware (including hinges), flush bolt, adjustable strike plate, patch lock, two door stops

• Available in 72" and 80" nominal widths

Solid Hinged Door Jamb Kit Single (FDSSHF)

Jamb for the Solid Hinged Door Leaf Single (FDSSHL) and the Solid Hinged Door Leaf with Glass Insert Single (FDSNHL)

• Jamb Kit consists of jamb frame, connection hardware (including hinges), adjustable strike plate, one door stop

• Available in 40" and 42" nominal widths

Glass Hinged Door Jamb Kit Single (FDSGHF)
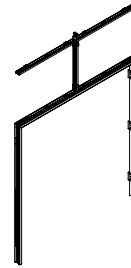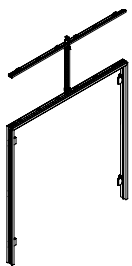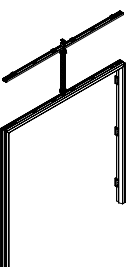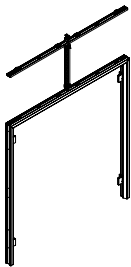
Jamb for the Glass Hinged Door Leaf Single (FDSGHL)

• Jamb Kit consists of jamb frame, connection hardware (including hinges), adjustable strike plate, one door stop

• Available in 40" and 42" nominal widths

Solid Hinged Door Jamb Kit Double (FDDSHF)

Jamb for the Solid Hinged Door Leaf Double (FDDSHL) and the Solid Hinged Door Leaf with Glass Insert Double (FDDNHL)
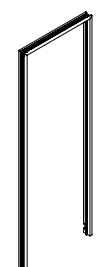
• Jamb Kit consists of jamb frame, one Horizontal Rail (FPKK), one intermediate vertical post, connection hardware (including hinges), flush bolt, adjustable strike plate, two door stops

• Available in 72", 80" and 84" nominal widths

Glass Hinged Door Jamb Kit Double (FDDGHF)

Jamb for the Glass Hinged Door Leaf Double (FDDGHL)

• Jamb Kit consists of jamb frame, two Horizontal Rails (FPKK), two intermediate vertical posts, connection hardware (including hinges), flush bolt, adjustable strike plate, patch lock, two door stops

• Available in 72" and 80" nominal widths

Glass Pivot Door LP Jamb Kit Single (FDSGPF)

Jamb for the Glass Pivot Door LP Leaf Single (FDSGPL)

• Jamb Kit consists of jamb frame, connection hardware, adjustable strike plate, one door stop, one closer (if specified)

• Available in 40" and 42" nominal widths

Glass Sliding Door Jamb Kit Single (FDSGSJ)

Jamb for the Glass Sliding Door Leaf Single (FDSGSL)

• Jamb Kit consists of jamb frame

• Available in 40", 42", 44" and 48" nominal widths

• Available in square and round styles

Solid Sliding Door Jamb Kit Single (FDSSSJ)

Jamb for the Solid Sliding Door Leaf Single (FDSSSL) and the Solid Sliding Door Leaf with Glass Insert Single (FDSNSL)

• Jamb Kit consists of jamb frame

• Available in 40", 42", 44" and 48" nominal widths

• Available in square and round styles

Glass Sliding Door Jamb Kit Double (FDDGSJ)

Jamb for the Glass Sliding Door Leaf Double (FDDGSL)

• Jamb Kit consists of jamb frame

• Kit includes 4" Aluminum Ceiling Fascia. Ceiling Fascia (FPC) must be specified separately for 6" Ceiling Fascia Height.

• Available in 70", 72", 78" and 80" nominal widths

• Available in square and round styles

rail basics

Rails are independent frames that are necessary for sliding doors to open and close.

Sliding Door Rail Single (FDSSSR)

Rail for all the sliding door leaves single: Glass (FDSGSL), Solid (FDSSSL), and Solid with Glass Insert (FDSNSL)

Sliding Door Rail Double (FDDSSR)

Rail for the Glass Sliding Door Leaf Double (FDDGSL)

The following horizontal sections outlines the features of the different jambs

Jamb for hinged doors (glass door leaf single shown).

LP Jamb for hinged doors (glass door leaf single shown)

Square Jamb for sliding doors (glass door leaf single shown)

Curved Jamb for sliding doors (glass door leaf single shown)

application guide

planning with jambs and rails

The following chart outlines which door leaf /jamb/rail combinations are possible.

Hinged LP Door

	Leaf	Jamb	Handle
Single	FDSGZL	FDSGZF	FDHSX FDSFP FDSCP FDSLP
	FDSSZL	FDSSZF	FDHSX FDHSL FDSFP FDSCP FDSLP
	FDSNZL		FDHSX FDSFP FDSCP FDSLP
Double	FDDGZL	FDDGZF	FDHSX
	FDDSZL	FDDSZF	
	FDDNZL		

Hinged Door

	Leaf	Jamb	Handle
Single	FDSGHL	FDSGHF	FDHSS
	FDSSHL	FDSSHF	FDHSS FDHSL
	FDSNHL		FDHSS
Double	FDDGHL	FDDGHF	FDHSS
	FDDSHL	FDDSHF	
	FDDNHL		

Pivot Door

	Leaf	Jamb	Handle
Single	FDSGPL	FDSGPF	FDHSS FDHSX FDHSL FDSFP FDSCP FDSLP

Sliding Door

	Leaf	Jamb	Rail	Handle
Single	FDSGSL	FDSGSJ	FDSSSR	FDSCP FDSFP FDSLP
	FDSSSL	FDSSSJ		
	FDSNSL			
Double	FDDGSL	FDDGSJ	FDDSSR	FDSCP FDSFP

planning with doors

This chart outlines the possible door swing/slide orientations.

- Left or right handedness is determined by the opening slide/swing direction of travel
- Locking or non-locking doors are available
- Keyed Lock is always on the outside and Thumb Turn on the inside

Swing Doors (Pivot & Hinged)

Single Leaf Doors

Office Interior

Office Exterior

Left Hand | Right Hand | Left Hand Reverse Swing | Right Hand Reverse Swing

Double Leaf Doors

Inactive LH | Active RH

Inactive LH | Active RH

Double leaf | Double leaf reverse swing (Special request only)

Office Interior

Active LH | Inactive RH

Active LH | Inactive RH

Office Exterior

Double leaf (Special request only) | Double leaf reverse swing (Special request only)

Sliding Doors

Single Leaf Doors

Office Interior

Office Exterior

Left Hand Exterior | Right Hand Exterior | Left Hand Interior | Right Hand Interior

Double Leaf Doors

Inactive LH | Active RH

Inactive LH | Active RH

Double leaf Exterior | Double leaf Interior

Legend	
🔑	**Active locking door applicable**

handles basics

The following outlines the handles available on the swing and sliding door programs.

Door Handle
Ceiling Pull
(FDSCP)

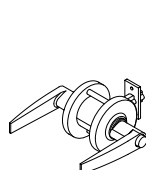Door Handle Schlage
S Series (FDHSS)

**Door Handle
Schlage S Series
(FDHSS)**

**Door Handle
Schlage ALX Series
(FDHSX)**

**Door Handle
Schlage L Series
(FDHSL)**

**Door Handle
Ceiling Pull
(FDSCP)**

**Door Handle Floor
Pull (FDSFP)**

**Door Handle Linear
Pull (FDSLP)**

Control Key (FFKK)
• Used to remove or install
  an interchangeable core

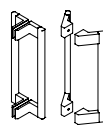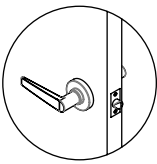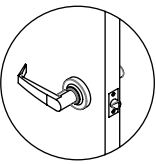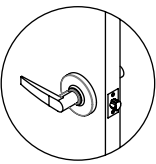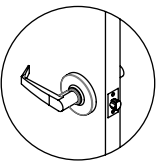|	Levers		
Series Name	**S Series**	**ALX Series**	**L Series**
Product Code	**Door Handle Schlage S Series (FDHSS)**	**Door Handle Schlage ALX Series (FDHSX)**	**Door Handle Schlage L Series (FDHSL)**
Lever Style	Jupiter / Saturn — Type J / Type S	Athens / Rhodes — Type A / Type R	07 / 06 — Type 07 / Type 06
Lock Type	Cylindrical Lock	Cylindrical Lock	Mortise Lock
Lock Function	Twist turn lock Std on S series / No Lock - Passage set	Push button lock - ADA Std on ALX series / No Lock - Passage set	Easy turn - ADA Schlage L583-363
Keying	Conventional, key in lock (KIL) 6 pin / Full Size Interchangeable Core (FSIC) cylinder 6 pin	Conventional, key in lock (KIL) 6 pin / Full Size Interchangeable Core (FSIC) cylinder 6 pin	Conventional Mortise 6 pin / Full Size Interchangeable Core (FSIC) cylinder 6 pin
Lever Finish Options	Satin chrome ANSI/ BHMA 626, US26D	Satin chrome ANSI/ BHMA 626, US26D and Matte Black ANSI/ BHMA 622, US19	Satin chrome ANSI/ BHMA 626, US26D and Matte Black ANSI/ BHMA 622, US19

- 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

pull details

Pulls				
Series Name	**OS Series**		**TE Series**	
Product Code	**Door Handle Ceiling Pull (FDSCP)**		**Door Handle Floor Pull (FDSFP)**	
Handle Type	(A) Ceiling Non Locking	(B) Ceiling Locking	(C) Ceiling Locking with ADA thumbturn	(D) Floor Non Locking	(E) Floor Locking with ADA thumbturn
Lock Function					
Visual characteristics	1" Tubular steel pull	1" Tubular steel pull Patch cover: • Die cast construction • No exposed fasteners	1" Tubular steel pull Patch cover: • Die cast construction • No exposed fasteners	1-3/8" Tubular steel pull	1-3/8" Tubular steel pull Lock integrated in pull
Pull Finish options	Stainless Steel ANSI / BHMA 630, US32D or Steel Painted	Stainless Steel ANSI / BHMA 630, US32D or Steel Painted	Stainless Steel ANSI / BHMA 630, US32D or Steel Painted	Stainless Steel ANSI / BHMA 630, US32D or Painted Matte Black	Stainless Steel ANSI / BHMA 630, US32D or Painted Matte Black
Pull Length	Configurable to ceiling heights in 1" increments	Configurable to ceiling heights in 1" increments	Configurable to ceiling heights in 1" increments	48"	48"
Height AFF	39-1/2" from finished floor to bottom of handle	39-1/2" from finished floor to bottom of handle	39-1/2" from finished floor to bottom of handle	48-1/2" from finished floor to top of pull	48-1/2" from finished floor to top of pull
Keying	No Lock	Full Size Interchangeable Core (FSIC) cylinder 6 pin Single Double	Full Size Interchangeable Core (FSIC) cylinder 6 pin Single Double	No Lock	Full Size Interchangeable Core (FSIC) Rim Cylinder Single Double
Retrofitting between Locking & Non-Locking	No	No	No	Yes	Yes
ADA Code compliance	Yes	No	Yes	No	No

• 1-1/2" clear space between glass and handle

• 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
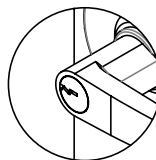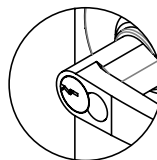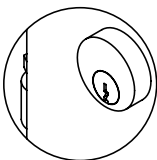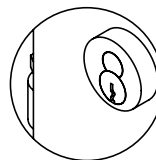
	Pulls
Series Name	**Linear Series**
Product Code	**Door Handle Linear Pull (FDSLP)**
Handle Type	(F), (G) Perpendicular, Non-Locking	(H), (I) Angular, Non-Locking
Lock Function		
Visual characteristics	7/8" x 9/16" Rounded rectangular aluminum tube, machined aluminum base 90° to door leaf	7/8" X 9/16" Rounded rectangular aluminum tube, machined aluminum base 35° to door leaf
Pull Finish options	Clear Anodized aluminum or painted aluminum	Clear Anodized aluminum or painted aluminum
Pull Length	13", 24"	13", 24"
Height AFF	34 5/8" from finished floor to bottom of pull	34 5/8" from finished floor to bottom of pull
Keying	No Lock	No Lock
Retrofitting between Locking & Non-Locking	n/a	n/a
ADA Code compliance	Yes	Yes

• 1-1/2" clear space between glass and handle

• 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
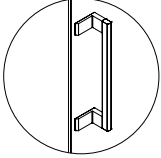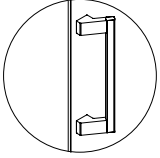
handle compatibility

The following chart outlines which door/handle combinations are possible.

		Handles						
		Levers			Pulls			
		S Series (FDHSS)	ALX Series (FDHSX)	L Series (FDHSL)	OS Series — Door Handle Ceiling Pull (FDSCP)			TE Series — Door Handle Floor Pull (FDSFP)	
					(A) Ceiling Non Locking	(B) Ceiling Locking	(C) Ceiling Locking ADA	(D) Floor Non Locking	(E) Floor Locking
Hinged Doors	Glass Hinged Door LP Leaf Single (FDSGZL)		✓		✓			✓	✓
	Solid Hinged Door LP Leaf with Glass Insert Single (FDSNZL)		✓		✓			✓	✓
	Solid Hinged Door LP Leaf Single (FDSSZL)		✓	✓	✓			✓	✓
	Glass Hinged Door LP Leaf Double (FDDGZL)		✓						
	Solid Hinged Door LP Leaf with Glass Insert Double (FDDNZL)		✓						
	Solid Hinged Door LP Leaf Double (FDDSZL)		✓						
	Glass Hinged Door Leaf Single (FDSGHL)	✓							
	Solid Hinged Door Leaf with Glass Insert Single (FDSNHL)	✓							
	Solid Hinged Door Leaf Single (FDSSHL)	✓		✓					
	Glass Hinged Door Leaf Double (FDDGHL)	✓							
	Solid Hinged Door Leaf with Glass Insert Double (FDDNHL)	✓							
	Solid Hinged Door Leaf Double (FDDSHL)	✓							
Pivot Doors	Glass Pivot Door LP Leaf Single (FDSGPL)	✓	✓	✓	✓			✓	✓
Sliding Doors	Glass Sliding Door Leaf Single (FDSGSL)				✓	✓	✓	✓	✓
	Solid Sliding Door Leaf with Glass Insert Single (FDSNSL)				✓	✓	✓	✓	✓
	Solid Sliding Door Leaf Single (FDSSSL)				✓	✓	✓	✓	✓
	Glass Sliding Door Leaf Double (FDDGSL)				✓	✓	✓	✓	✓

handle compatibility (continued)

The following chart outlines which door/handle combinations are possible.

		Handles	
		Pulls	
		Linear Series	
		Door Handle Linear Pull (FDSLP)	
		(F), (G) Perpendicular, Non-Locking	(H), (I) Angular, Non-Locking
Hinged Doors	Glass Hinged Door LP Leaf Single (FDSGZL)	✓	✓
	Solid Hinged Door LP Leaf with Glass Insert Single (FDSNZL)	✓	✓
	Solid Hinged Door LP Leaf Single (FDSSZL)	✓	✓
	Glass Hinged Door LP Leaf Double (FDDGZL)		
	Solid Hinged Door LP Leaf with Glass Insert Double (FDDNZL)		
	Solid Hinged Door LP Leaf Double (FDDSZL)		
	Glass Hinged Door Leaf Single (FDSGHL)		
	Solid Hinged Door Leaf with Glass Insert Single (FDSNHL)		
	Solid Hinged Door Leaf Single (FDSSHL)		
	Glass Hinged Door Leaf Double (FDDGHL		
	Solid Hinged Door Leaf with Glass Insert Double (FDDNHL)		
	Solid Hinged Door Leaf Double (FDDSHL)		
Pivot Doors	Glass Pivot Door LP Leaf Single (FDSGPL)	✓	✓
Sliding Doors	Glass Sliding Door Leaf Single (FDSGSL)	✓	✓
	Solid Sliding Door Leaf with Glass Insert Single (FDSNSL)	✓	✓
	Solid Sliding Door Leaf Single (FDSSSL)	✓	✓
	Glass Sliding Door Leaf Double (FDDGSL)	✓	✓

application guide

door handle locations

Swing Door with Lever

AFF
ALX and S series:
39-5/8"
L series: 37-1/2"

Floor

Locking or Non Locking

Swing Door with Ceiling Pull

AFF
39-1/2"

Floor

Non Locking Only

Swing Door with Floor Pull

AFF
48-1/2" from
finished floor to
top of pull

Floor

Locking (shown) or Non Locking

Swing Door with Angular and Perpendicular Pull

AFF
34-5/8"

Floor

Non Locking Only

door handle locations (continued)

The handle locations for sliding doors is constant.

Sliding Door with Floor Pull

AFF 48-1/2" from finished floor to top of pull

6"

Floor

Locking (shown) or Non Locking

Sliding Door with Ceiling Pull

Distance from finished floor to bottom of handle is a constant regardless of the ceiling height.

AFF: 39-1/2"

Floor

Non Locking

AFF: 39-1/2"

3-11/16"

Floor

Locking

AFF: 39-1/2"

Floor

Non Locking

AFF: 39-1/2"

3-11/16"

Floor

Locking

door handle locations (continued)

The handle locations for sliding doors is constant.

Sliding Door with Angular and Perpendicular Pull

Distance from finished floor to bottom of handle is a constant regardless of the ceiling height.

AFF: 34-5/8"

Floor

Non Locking

AFF: 34-5/8"

Floor

Non Locking

door clearance

Door module widths and door clearances for all doors are shown below. Door modules include leaf, jamb kit and rail kit (the latter one for sliding doors only).

Single Swing Doors

Door nominal width   Door nominal width

	Door Nominal Width	Door and Doorway Clear Width when Door Opened 180°	Door and Doorway Clear Width when Door Opened 90°
Glass Hinged Door Leaf Single (FDSGHL)	40	34-1/2"	32-3/4"
	42	36-1/2"	34-3/4"
Solid Hinged Door Leaf Single (FDSSHL) Solid Hinged Door Leaf Single (FDSNHL)	40	34-3/4"	33"
	42	36-3/4"	35"
Glass Hinged Door LP Leaf Single (FDSGZL)	40	36"	34-1/4"
	42	38"	36-1/4"
Solid Hinged Door LP Leaf Single (FDSSZL) Solid Hinged Door LP Leaf with Glass Insert Single (FDSNZL)	40	36-1/4"	34-1/2"
	42	38-1/4"	36-1/2"
Glass Pivot Door LP Leaf Single (FDSGPL)	40	36-1/4"	35-1/2"
	42	38-1/4"	37-1/2"

Double Hinged Doors

Door nominal width

	Door Nominal Width	Door and Doorway Clear Width when Double Door Opened 180°	Door and Doorway Clear Width when Active Door Opened 180°	Door and Doorway Clear Width when Active Door Opened 90°
Glass Hinged Door Leaf Double (FDDGHL)	72	66-1/2"	32-3/4"	31"
	80	74-1/2"	36-3/4"	35"
	84	78-1/2"	38-3/4"	37"
Solid Hinged Door Leaf with Glass Insert Double (FDDNHL) Solid Hinged Door Leaf Double (FDDSHL)	72	67-1/4"	33"	31-1/4"
	80	75-1/4"	37"	35-1/4"
	84	79-1/4"	39"	37-1/4"
Glass Hinged Door LP Leaf Double (FDDGZL)	72	68"	31-1/2"	29-3/4"
	80	76"	35-1/2"	33-3/4"
	84	80"	37-1/2"	35-3/4"
Solid Hinged Door LP Leaf with Glass Insert Double (FDDNZL) Solid Hinged Door LP Leaf Double (FDDSZL)	72	68-3/4"	33-3/4"	32"
	80	76-3/4"	37-3/4"	36"
	84	80-3/4"	39-3/4"	38"

Single Sliding Doors

Door nominal width   Clear opening

	Door Nominal Width	Door Clear Width Opening
Glass Sliding Door Leaf Single (FDSGSL) Solid Sliding Door Leaf Single (FDSSSL) Solid Sliding Door Leaf with Glass Insert Single (FDSNSL)	40	32-1/16"
	42	34-1/16"
	44	36-1/16"
	48	40-1/16"

Double Sliding Doors

Door nominal width   Clear opening

	Door Nominal Width	Both Doors Clear Width Opening	Active Door Clear Width Opening
Glass Sliding Door Leaf Double (FDDGSL)	70	56-1/2"	28-1/8"
	72	58-1/2"	29-1/8"
	78	64-1/2"	32-1/8"
	80	66-1/2"	33-1/8"

fascias above doors

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 the following formula:

Fascia Height calculation:

$$\underbrace{\quad}_{\substack{\text{Ceiling}\\\text{Height}}} - \underbrace{84"}_{\substack{\text{Door}\\\text{Height}}} - \underbrace{4" \text{ or } 6"}_{\substack{\text{Ceiling}\\\text{Fascia}\\\text{Height*}}} = \underbrace{Y"}_{\substack{\text{Fascia}\\\text{Height}\\\text{to order}}}$$

* Altos Portrait: 4" or 6"
Altos Landscape: Only 4"

To determine the correct width of Fascias for the Transom and Ceiling Fascia above the Hinged Double Doors and Sliding Double Doors use the following chart:

Double Door Nominal Width (")	Fascia Nominal Width X"
72	36
80	40
84	42

planning with swing doors

The following rules should be considered when planning with Altos swing doors.

Elevations Adjacent to Swing Doors

All swing doors may be planned adjacent to any fascia elevation: Portrait Monolithic, Full, Segmented, and Working Wall. And Landscape Standard Working Wall, Light Working Wall and Cabinet Working Wall.

Corresponding jamb kits must be specified.

| Segmented Height Wall | Full-Height Doors | Full-Height Wall | Working Wall | Segmented Height Door | Monolithic Height Wall | Light Working Wall | Full-Height Doors | Cabinet Working Wall |

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 or FLKW).

Wall Start (FKW)

Filler Panel (FPF)

Swing Direction

• For the Hinged Double Door, both doors must swing in the same direction

• Door is hinged on frame side only

planning with sliding doors

The following rules should be considered when planning with Altos sliding doors.

- Please check local code requirements, as in some jurisdictions, the use of the Sliding Door is limited to room occupancies of 10 people maximum
- Fabric Fascias cannot be used adjacent to glass sliding doors, on those fascias on which doors slides onto

Elevations Adjacent to Sliding Doors

Segmented or Full-height doors cannot be used adjacent to (Portrait) Monolithic elevations.

Segmented height doors can only be planned adjacent to (Portrait) Segmented or Working Wall elevations.

| Monolithic Wall | Full-Height Doors | Monolithic Wall |

| Working Wall | Segmented Height Door | Segmented Height Wall |

Portrait

Landscape

| Door Width or Wider | Door Width |

| Door width or wider. Up to 72" | Door Width |

Single Sliding Doors:
Adjacent wall on which door slides must be of equal width or wider. This adjacent wall can not exceed 72" width for landscape configurations.

Double sliding doors:
- For 70" wide doors, adjacent modules can be 29" or 30"
- For 72" wide doors, adjacent modules can be 30" or 31"
- For 78" wide doors, adjacent modules can be 33" or 34"
- For 80" wide doors, adjacent modules can be 34" or 35"

When the Sliding Door is located next to a corner connection without an adjoining wall module the Sliding Door **must be** mounted on the outside of the wall run.

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

planning with sliding doors (continued)

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"

Door module

Door module

6"

Off-Module Connection (FKM3_2)

Wall module must measure a minimum of 12" wide

When doors meet at 90° corner, at least one of two door sets should be exterior mounted.

Two sets of doors meeting at a 90° corner **can not** be interior mounted.

When the Sliding 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 Sliding Door must be mounted on the outside of the wall run.

Mechanical fastener required at corner connection

planning with sliding doors (continued)

Each Single Sliding door needs three supporting points.

Each Double Glass Sliding door needs four supporting points.

Shared post **cannot** be used between two double sliding doors.

A three-way corner connection is required between adjacent sliding doors.

Door rail must be supported at center through mechanical fastenings to building structure.

Connection to floor at both sides of jamb is necessary

Furniture **cannot** be hung within door modules.

portrait & landscape -
tv shroud

portrait & landscape - tv shroud

what is tv shroud

**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)

tv shroud basics

The Shroud consists of the following discrete elements.

TV Shroud Fascia (FFSFA)

TV Shroud Fascia (FFSFA)

- Available in six configurations for 75", 70", 65", 60", 55", 50" TVs (not included)
- Fascia can be placed at 36"-48" 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

understanding tv shroud

dimensions

The TV Shroud Fascia is available in the following configurations.

76" | 48" | 75" TV

72" | 44"* | 70" TV

68" | 44"* | 65" TV

64" | 42"* | 60" TV

60" | 38"* | 55" TV

54" | 36"* | 50" TV

* Extended Height Available. Up to to 48" High in 1" increments

(structure not shown)

- 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:

TV Mounting Pan
Recessed area for mounting the TV bracket and AV equipment

Pre-assembled Frame Fascia

Insulation

Data Box
Designated area for mounting data (faceplate not included)

Base Feed Position Shown

Frame Assembly including:
- Horizontals with electrical cutouts
- Internal vertical reinforcements behind the TV shroud
- Internal vertical reinforcements below the TV shroud
- One Floor Channel

specifying tv shroud

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).

planning with tv shroud

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.

Wall Side 1
Landscape

← 54" to 76" →

Wall Side 2
Landscape

← 54" to 76" →

Wall Side 2
2 Portrait Fascias

Back to back TV Shroud
configurations are not possible.

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.

Landscape Panel

Fabric Roll   Panel

Portrait Panel

Fabric Roll

Panel

fascias around the TV Shroud

With all Horizontal
Grain/Fabric direction

With Vertical and
Horizontal Grain/Fabric
direction

With Horizontal Grain/
Fabric direction

With Horizontal Grain/
Fabric direction

addressing the opposite side

planning with tv shroud (continued)

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.

3" to 4" between TV and Shroud frame

3" to 4" between TV and Shroud frame

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.
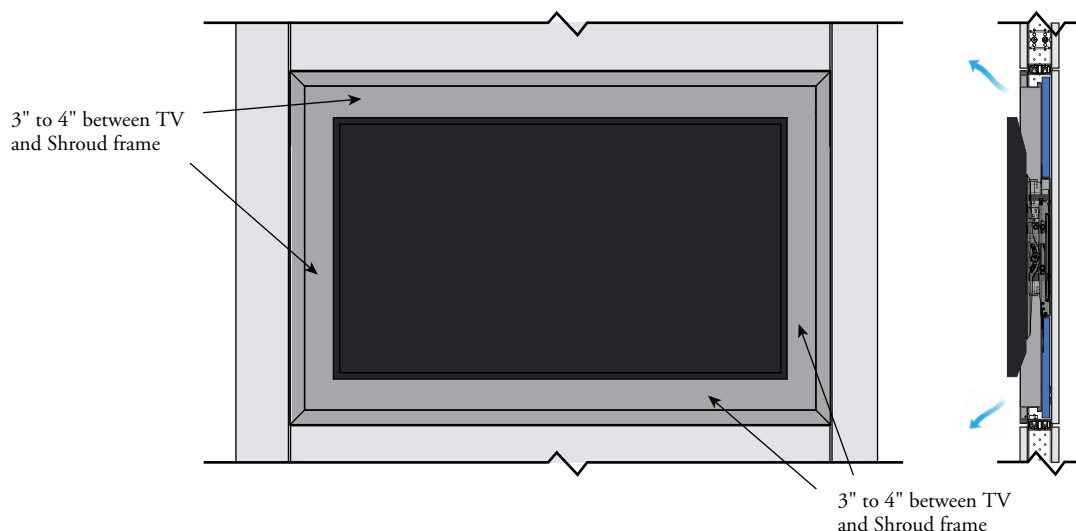
selecting a TV mount

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.
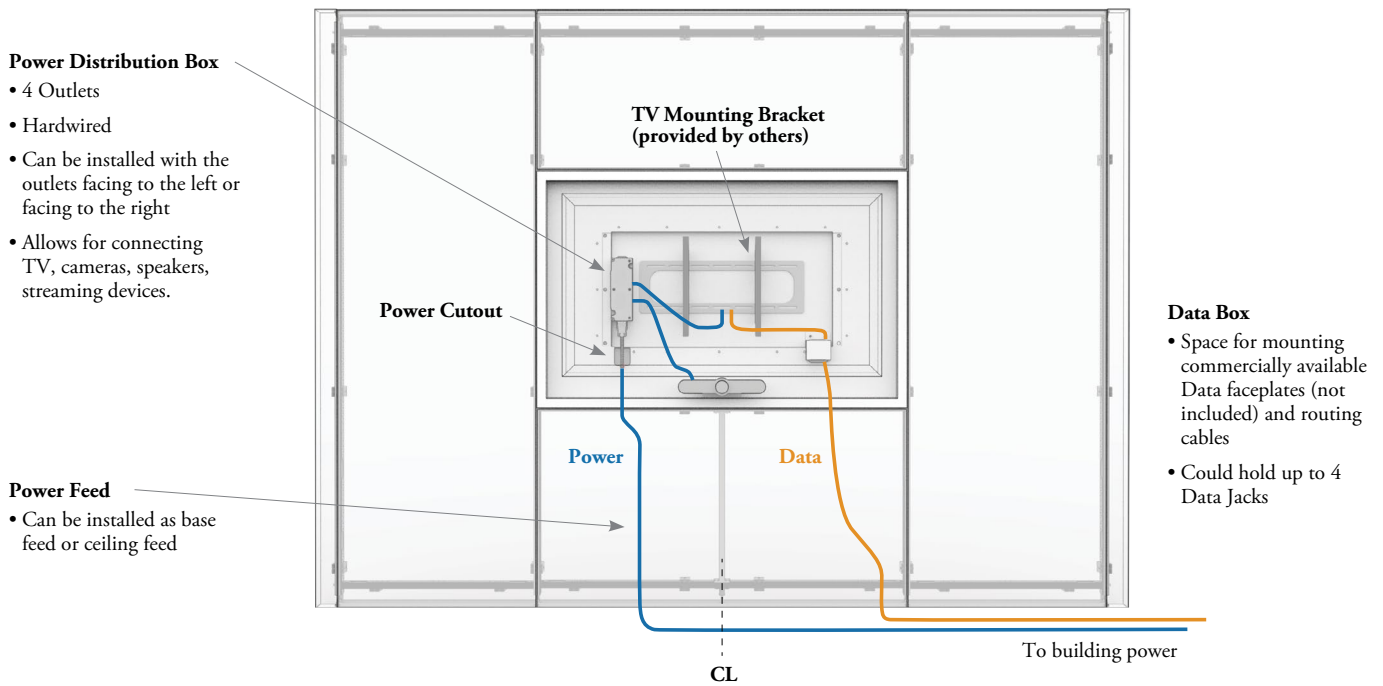
audio visual devices

• 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.

planning with tv shroud (continued)

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.
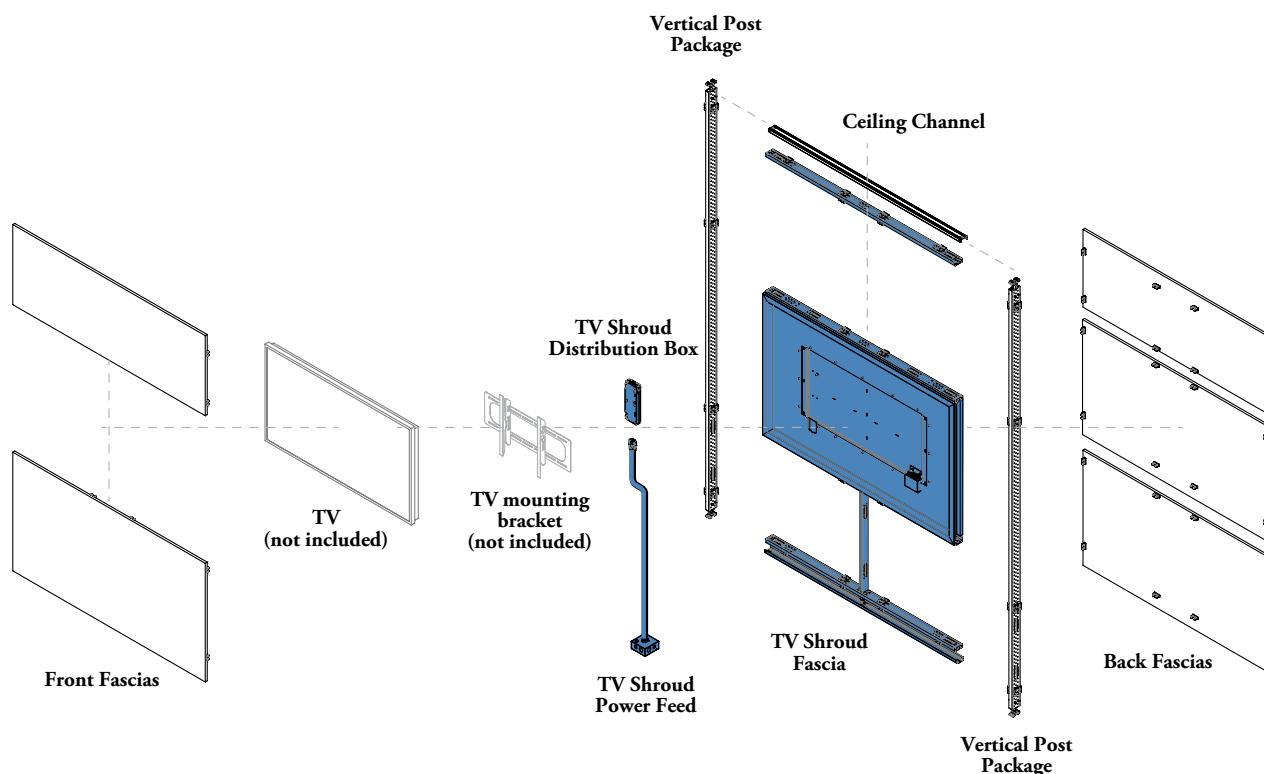
base feed scenario

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.

TV Mounting Bracket (provided by others)

Power Cutout

Data Box

• Space for mounting commercially available Data faceplates (not included) and routing cables

• Could hold up to 4 Data Jacks

Power Feed

• Can be installed as base feed or ceiling feed

Power

Data

To building power

CL

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

planning with tv shroud (continued)

how to order a complete elevation package

Vertical Post Package

Ceiling Channel

TV Shroud Distribution Box

TV Shroud Power Feed

TV mounting bracket (not included)

TV (not included)

Front Fascias

TV Shroud Fascia

Vertical Post Package

Back Fascias

Shroud specific items:
• FFSFA x1 (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

teknion