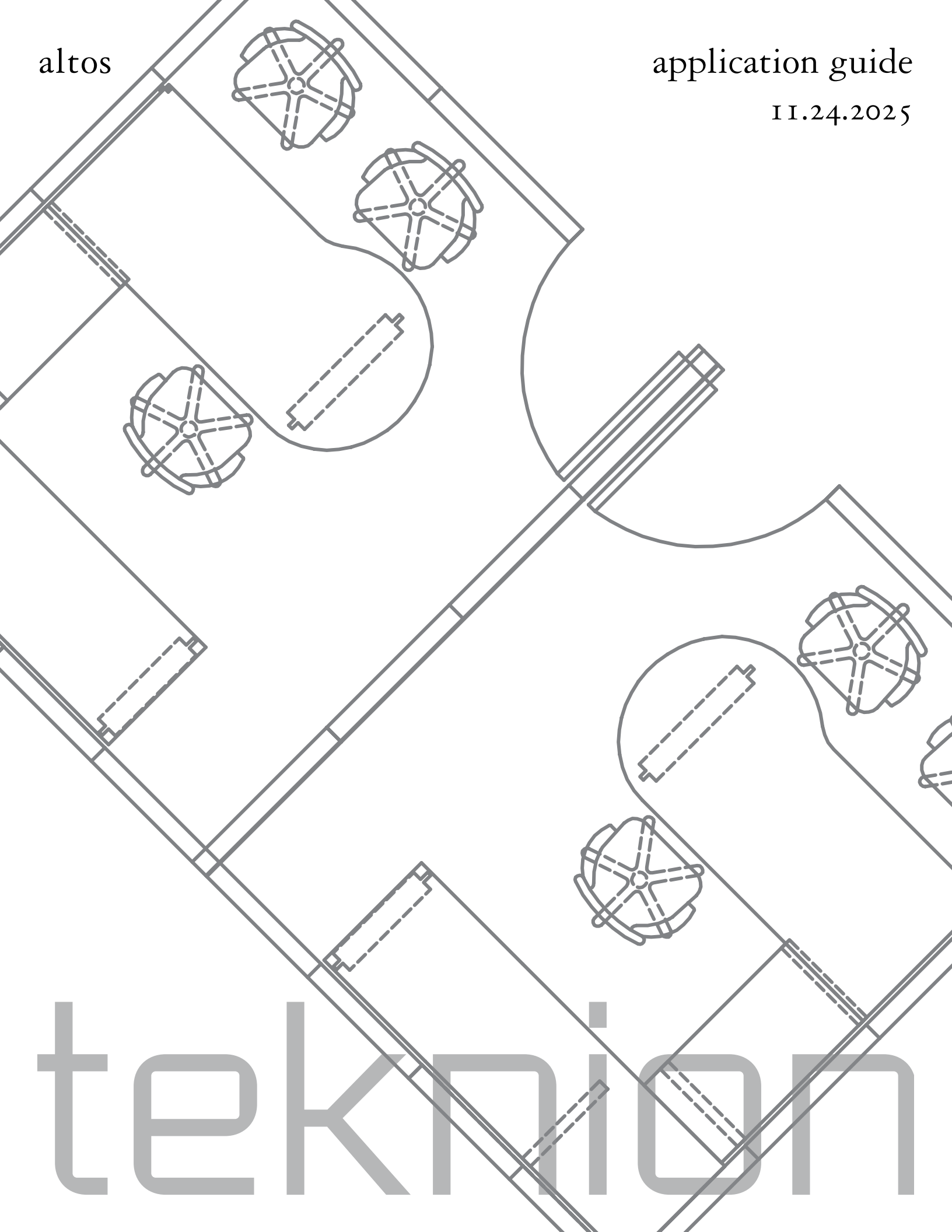


altos

application guide

11.24.2025



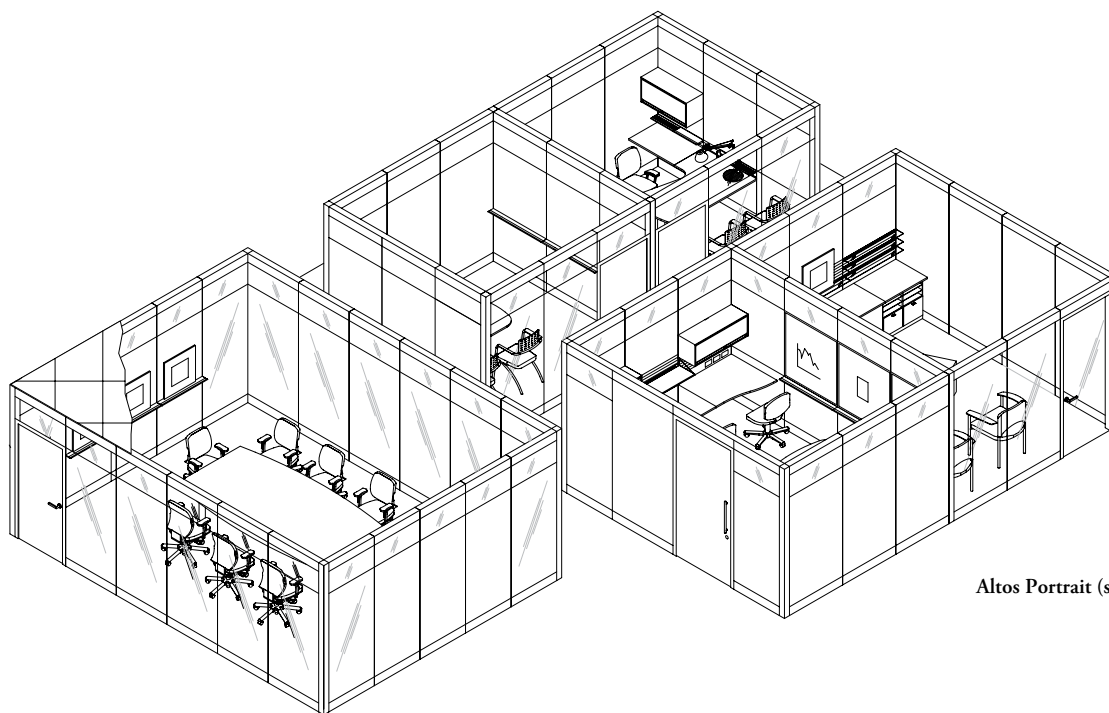
tekniön

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, 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

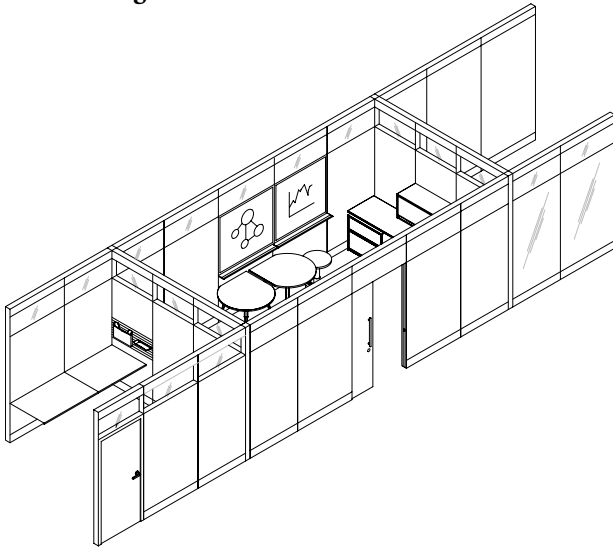


Altos Portrait (shown)

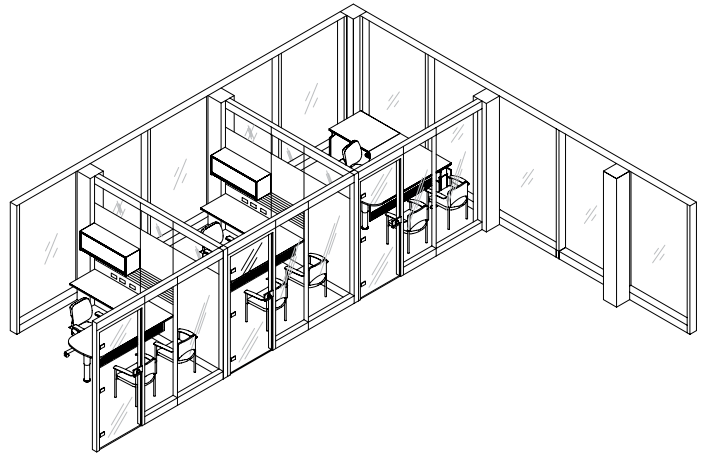
what is altos (continued)

altos portrait

freestanding

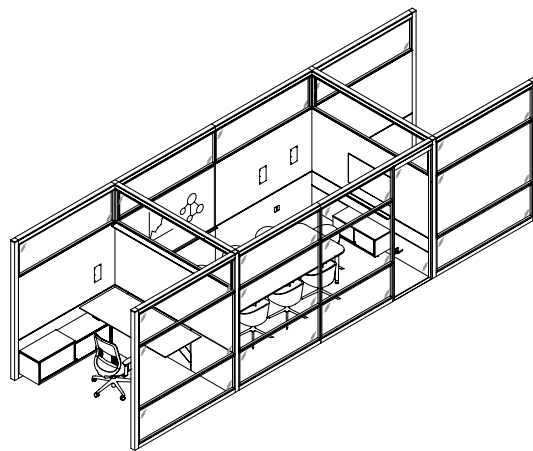


interface with building architecture

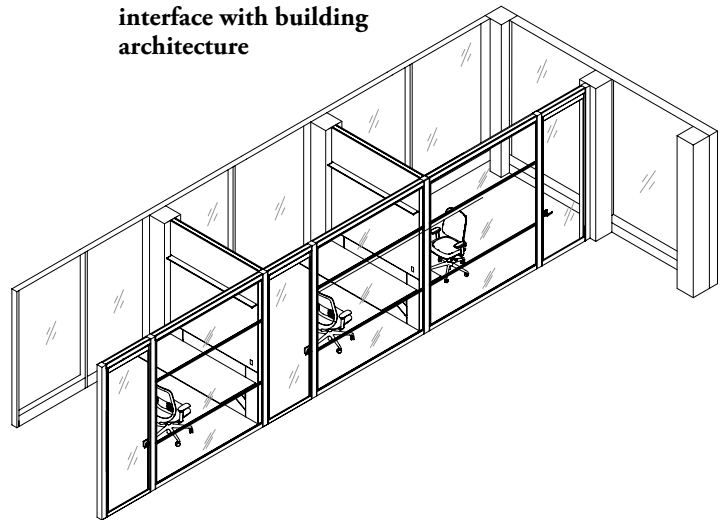


altos landscape

freestanding



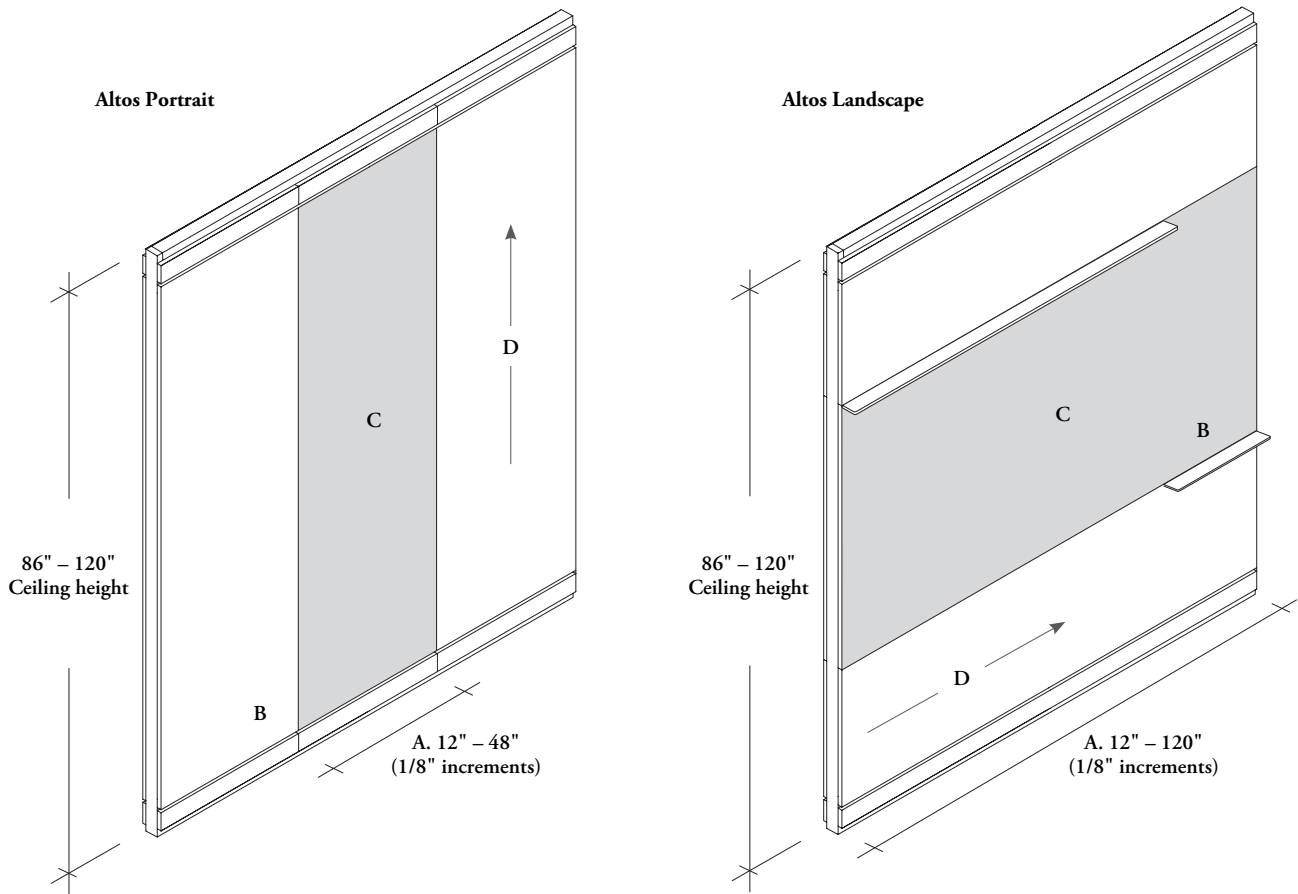
interface with building architecture



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	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:

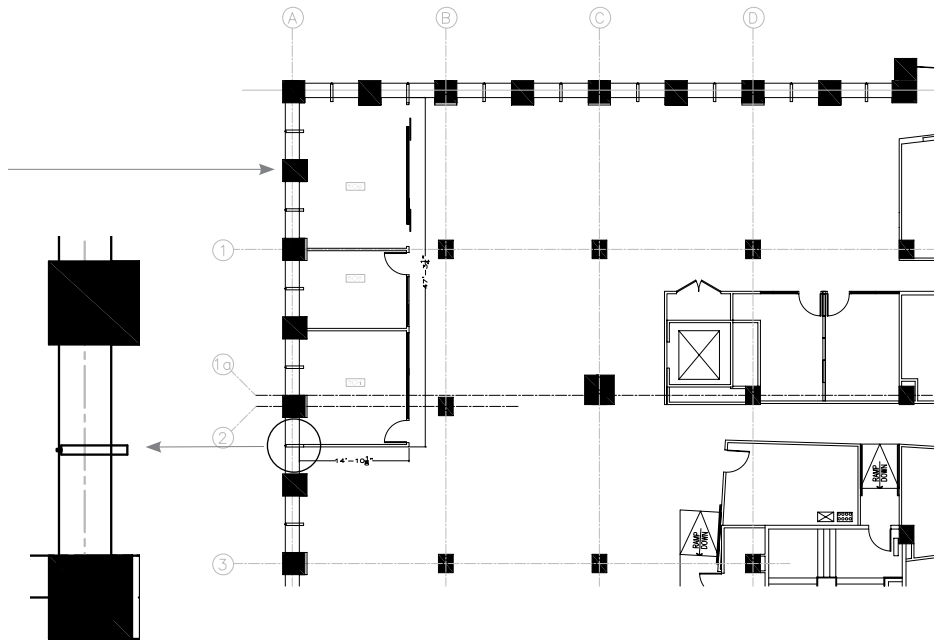
- Dimensioned plan identifying columns, sill conditions, window mullions, etc.
- Identify critical dimensions and unique site conditions that may impact Altos walls
- Take field dimensions, if possible and/or identify hold-to dimensions
- Local Code requirements and restrictions should be reviewed

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



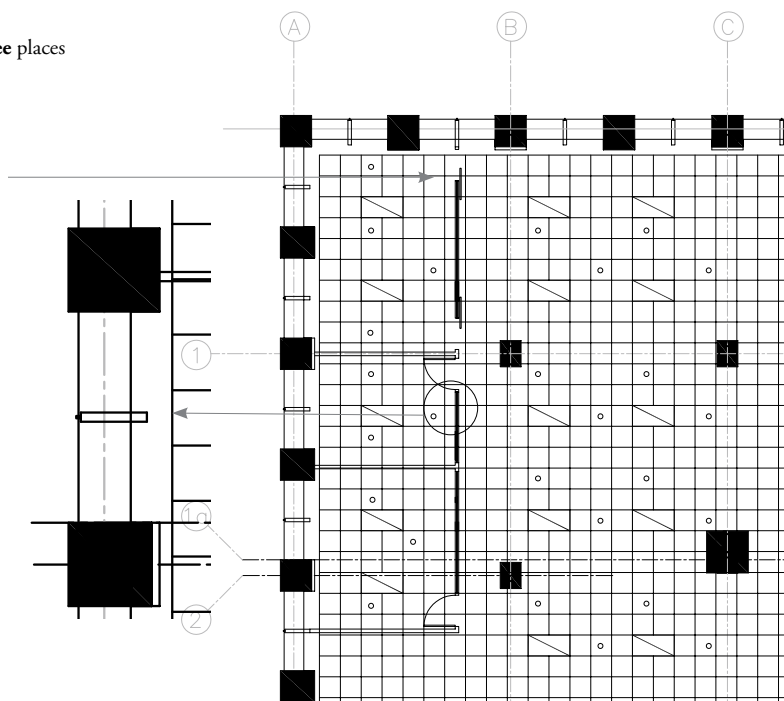
the reflected ceiling plan

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

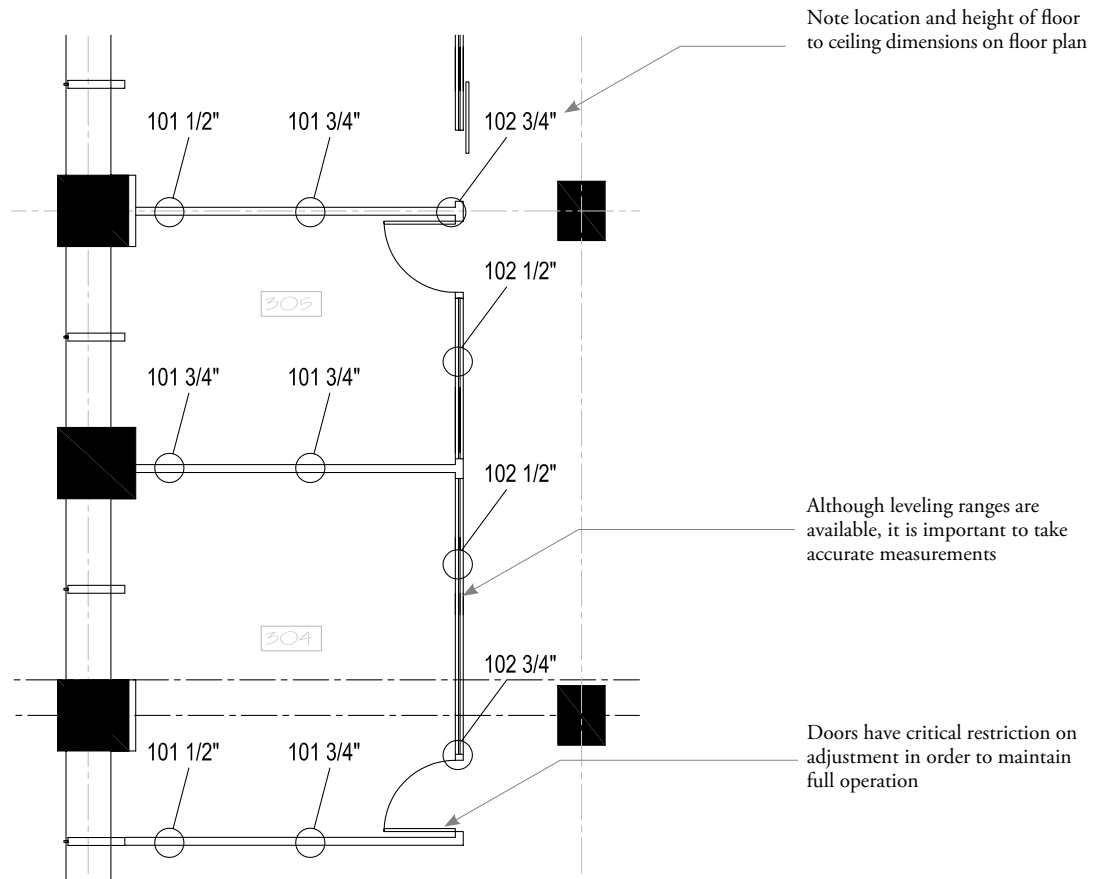


initial considerations (continued)

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

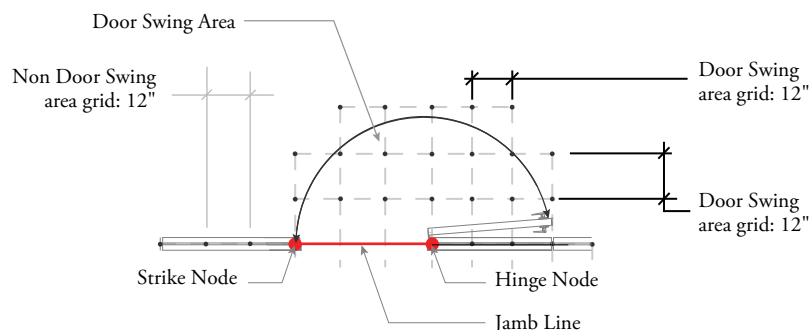


In the example above, either 101" or 102" wall height could be used however, the better choice would be 101". This avoids near full compression of the levelers that would be necessary with the 102" wall height.

Note:

For Double Glazed Pivot Doors more nodes are required in the door swing area to specify the appropriate door increment for a tailored fit. See [Planning with Double Glazed Swing Doors](#) section for more details.

Door Height Measurement Points

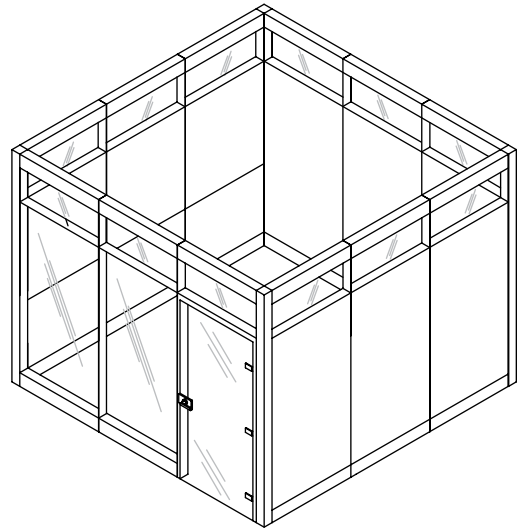


how to specify altos

Step 1 – Fascia & Door Packages

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

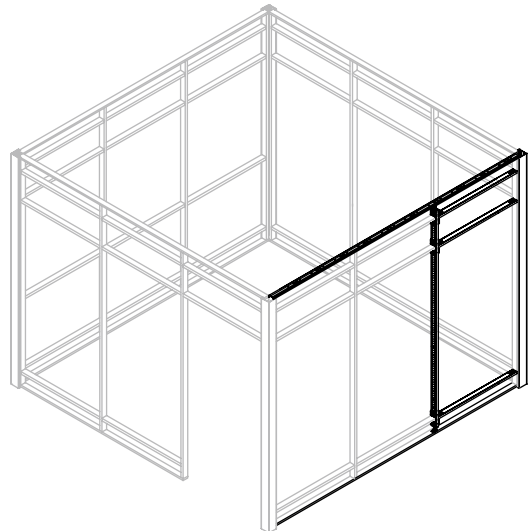
- Fascias include surfaces only and conceal the structural supports which must be specified
- Specify Fascia packages to meet required wall lengths and locations
- Locate door packages, including transom and ceiling fascias as required



Step 2 – Frame Kits

Frames are specified to correspond to Fascia specifications.

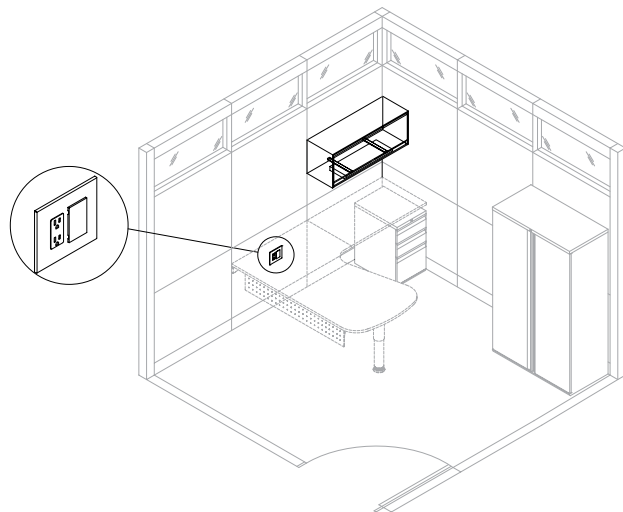
- Calculate quantities and specify Ceiling Channel, Ceiling Clips, if applicable and Wall Gasket
- Specify the Vertical Posts and Horizontal Rails as determined by Fascia elevations
- Specify corner connections and appropriate method for attaching Altos walls to the building (Wall Start, Adjustable Wall 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

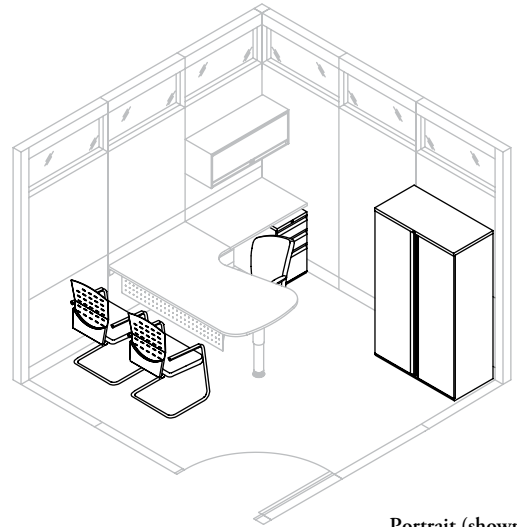
A variety of Teknion Worksurface and Storage components are available to compliment Altos.

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:

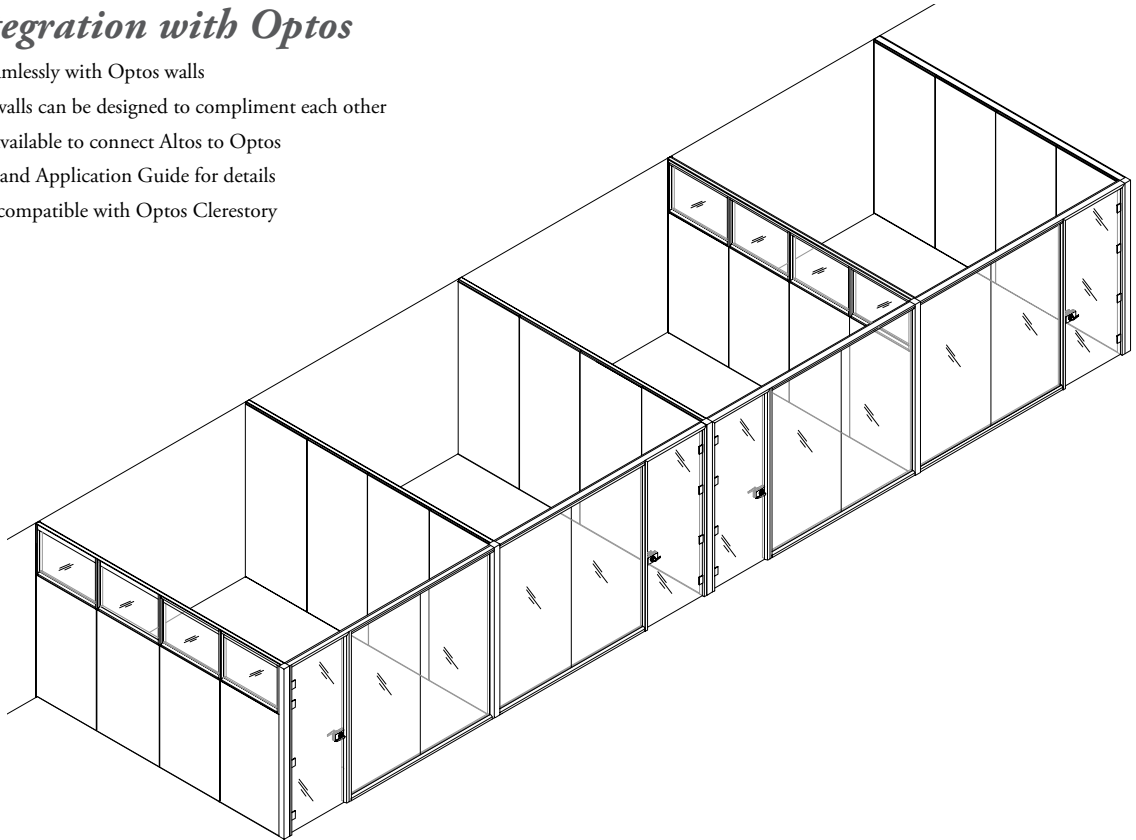
- Specify Landscape Collection:
 - Desk, Wall-Mounted Cabinet, Shelving, and Lighting
- Any internal frame required is automatically updated within Storyboard
 - Ex: Functional rail for Storage unit
 - Ex: Internal framework for desk
- Specify additional accessories:
 - Fitted Seat cushion, Power Cube,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

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xpress program

what is xpress

Teknion's Xpress Program is designed to offer expedited shipment to a large base of teknion customers needing delivery in an abbreviated time frame. Products that are available through *Teknion's Xpress Program* will include this **Xpress**.

order information

Orders received before 12:00 pm eastern standard/eastern daylight savings time will be processed on that same day. Orders received after 12:00 pm eastern standard/eastern daylight savings time will be processed on the next business day.

Teknion's Xpress Program is not intended to replace our standard product lead time. For this reason, the following guidelines are in effect:

1. Quantities may be limited on individual items based on product availability.  **XPRESS PRODUCT PROGRAM**

XPRESS PRODUCT MAP	PROGRAM	ORDER DETAILS	NOTES
EXPANSION CASEGOODS	5-day Program*	Maximum \$75,000 list	See Product Map for details
EXPANSION CASEWORK+	10-day Program*	Maximum \$30,000 list	See Product Map for details
EXPANSION DESKING	5-day Program*	Maximum \$75,000 list	See Product Map for details
EXPANSION LEARNING	5-day Program*	Maximum \$50,000 list	See Product Map for details
COMPLEMENTS	5 or 10-day Program*	See Product Map for details	Excluded: Flintwood and Natural Veneer Full Knife Edge
SEATING	5 or 10-day Program*	See Product Map for details	See Product Map for details
DISTRICT	10-day Program*	Maximum \$200,000 list or 25 units of any single products	Excluded: Flintwood, Natural Veneer for Worksurfaces, Screens, Fascias and Storage Full Knife Edge on Worksurfaces
DISTRICT STORAGE	10-day Program*	Maximum \$200,000 list or 50 units	Excluded: Flintwood and Natural Veneer Backpainted Glass
FILING & STORAGE	10-day Program*	Maximum 50 units	Excluded: Flintwood Fronts District Handles
LEVERAGE	10-day Program*	Maximum: \$200,000 list or 25 units of any single products or 50 units of storage	Excluded: Flintwood and Natural Veneer
ALTOS	10-day Program*	Maximum \$75,000 list	See Product Map for details
TEK VUE	10-day Program*	Maximum \$150,000 list	See Product Map for details

* 5-10 days refers to manufactured days. Refer to the Teknion Lead Time Sheet published on MyTeknion for the current manufacturing information.

2. Orders can only be accepted with Xpress fabrics, finishes and available sizes.
3. Orders must be submitted via the Order Submission application on OnePlace.

changes and cancellations

No changes or cancellations are accepted on Xpress orders.

terms and conditions

All other terms and conditions of sale are available online at www.teknion.com.

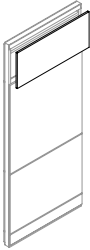
Not all products are available through *Teknion's Xpress Program*. Refer to the specification software or product maps for complete product offering. Product Maps are available online at **Xpress Product Maps**.

fascias

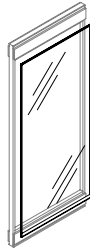
Portrait	F P B Base Fascia Xpress	F P C Ceiling Fascia Xpress	F P M 1 Solid Fascia – Monolithic Xpress
	F P F 1 Solid Fascia – Full Xpress	F P S 1 Solid Fascia– Segmented (Level I)	F P S 2 Solid Fascia – Segmented (Level II)
	F P S M 1 Solid Fascia – Segmented Monolithic (Level I)	F P S M 2 Solid Fascia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

fascias (continued)

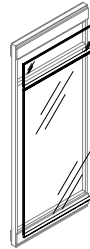
F P W M 3 Solid Fascia
– Working Wall
Monolithic (Level III)



F P G C R Glass Fascia –
Single Centered,
Round Corner



Full Wall

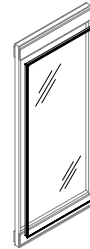


Segmented Wall

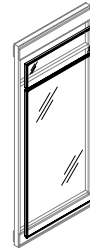


Working Wall

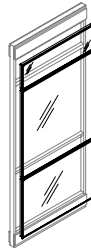
F P G C S Glass Fascia –
Single Centered,
Square Corner



Full Wall



Segmented Wall

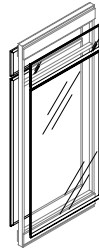


Working Wall

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



Full Wall

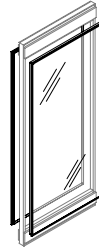


Segmented Wall



Working Wall

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



Full Wall

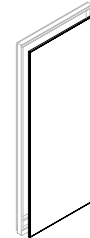


Segmented Wall

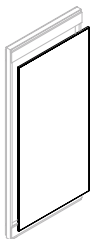


Working Wall

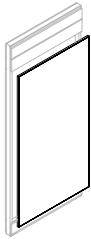
F P A M 1 Acoustic Fascia –
Monolithic



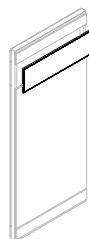
F P A F 1 Acoustic Fascia – Full



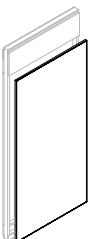
F P A S 1 Acoustic Fascia –
Segmented (Level I)



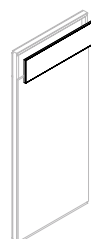
F P A S 2 Acoustic Fascia –
Segmented (Level II)



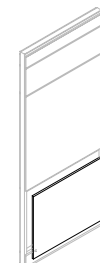
F P A S M 1 Acoustic Fascia
– Segmented
Monolithic (Level I)



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



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



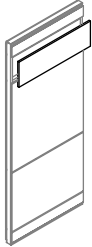
Portrait

fascias (continued)

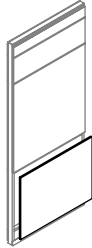
Portrait	F P A W 2 Acoustic Fascia – Working Wall (Level II)	F P A W 3 Acoustic Fascia – Working Wall (Level III)	F P A W M 1 Acoustic Fascia – Working Wall Monolithic (Level I)
	F P A W M 3 Acoustic Fascia – Working Wall Monolithic (Level III)	F P A T M 1 Acoustic Tackable Fascia – Monolithic	F P A 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)

fascias (continued)

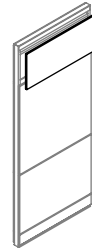
F P A T W 3 Acoustic Tackable
Fascia – Working
Wall (Level III)



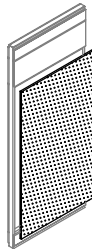
F P A T W M 1 Acoustic Tackable
Fascia – Working Wall
Monolithic (Level I)



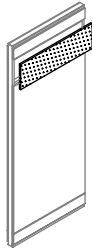
F P A T W M 3 Acoustic Tackable
Fascia – Working Wall
Monolithic (Level III)



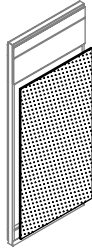
F P M P S 1 Micro Perforated
Metal Acoustic Fascia –
Segmented (Level I)



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



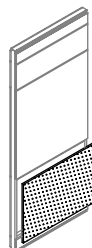
F P M P S M 1 Micro Perforated
Metal Acoustic Fascia
– Segmented Monolithic
(Level I)



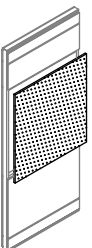
F P M P S M 2 Micro Perforated
Metal Acoustic Fascia
– Segmented Monolithic
(Level II)



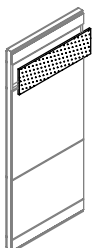
F P M P W 1 Micro Perforated
Metal Acoustic Fascia –
Working Wall (Level I)



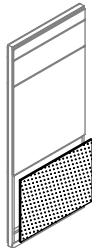
F P M P W 2 Micro Perforated
Metal Acoustic Fascia –
Working Wall (Level II)



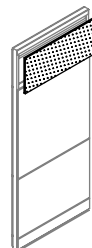
F P M P W 3 Micro Perforated
Metal Acoustic Fascia –
Working Wall (Level III)



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

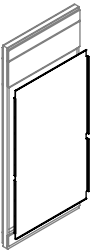
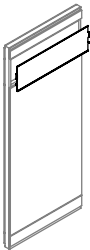
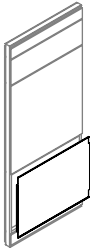
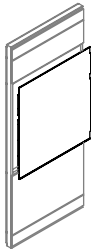
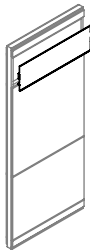
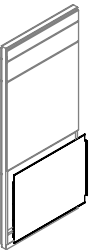
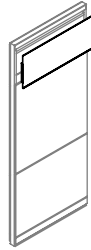
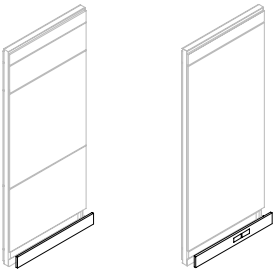
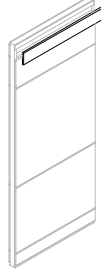
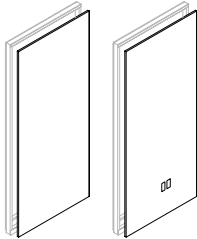


F P M P W M 3 Micro Perforated
Metal Acoustic Fascia –
Working Wall Monolithic
(Level III)



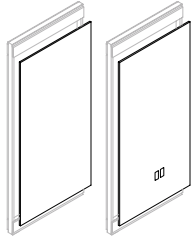
Portrait

fascias (continued)

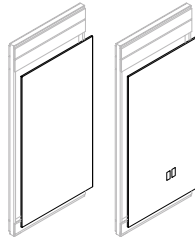
Portrait	F P M B S 1 Sheet Metal Backer – Segmented (Level I)		F P M B S 2 Sheet Metal Backer – Segmented (Level II)		F P M B S M 1 Sheet Metal Backer – Segmented Monolithic (Level I)	
						
	F P M B S M 2 Sheet Metal Backer – Segmented Monolithic (Level II)		F P M B W 1 Sheet Metal Backer – Working 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	
						

fascias (continued)

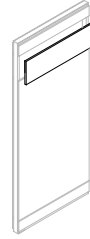
F P R F 1 Fabric Wrapped Fascia – Full



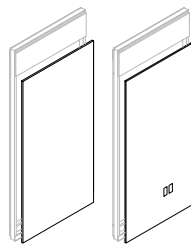
F P R S 1 Fabric Wrapped Fascia – Segmented (Level I)



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



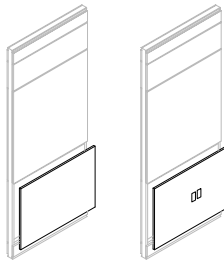
F P R S M 1 Fabric Wrapped Fascia – Segmented Monolithic (Level I)



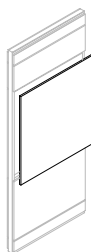
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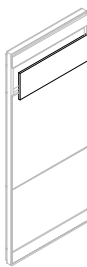
F P R W 1 Fabric Wrapped Fascia – Working Wall (Level I)



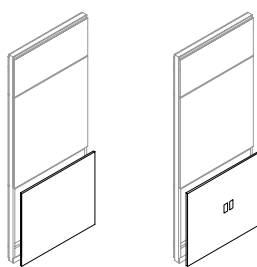
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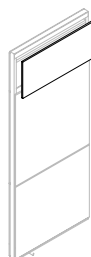
F P R W 3 Fabric Wrapped Fascia – Working Wall (Level III)



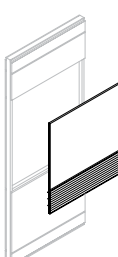
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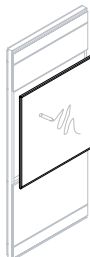
F P R W M 3 Fabric Wrapped Fascia – Working Wall Monolithic (Level III)



F P M A Smart Fascia – Accessory

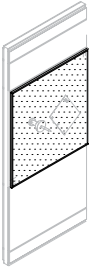
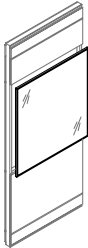
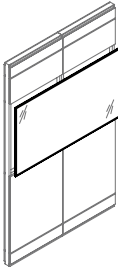


F P M W Smart Fascia – Whiteboard



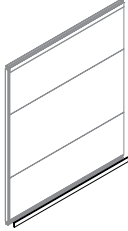
Portrait

fascias (continued)

Portrait	F P M T	Smart Fascia – Tackable	F P M M F	Portrait Framed Backpainted Glass Markerboard	F P M W N	Portrait Frameless Backpainted Glass Markerboard
						
	F P M M F D	Portrait Framed Backpainted Glass Markerboard Double Span	F F F K	Aluminum Fascia Kit		
						

fascias (continued)

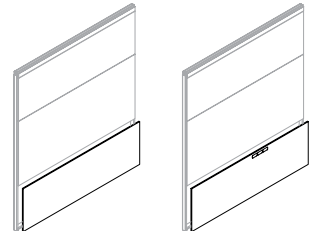
F L B Landscape Base Fascia



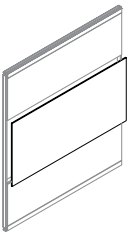
F L C Landscape Ceiling Fascia



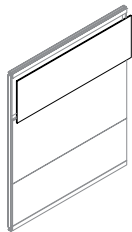
F L W 1 Landscape Solid Fascia – Working Wall (Level I)



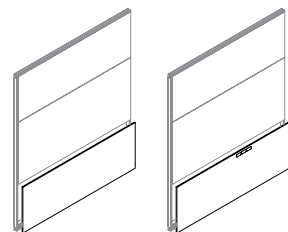
F L W 2 Landscape Solid Fascia – Working Wall (Level II)



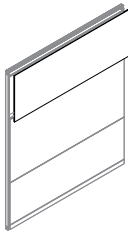
F L W 3 Landscape Solid Fascia – Working Wall (Level III)



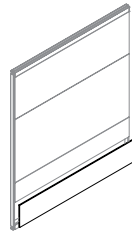
F L W M 1 Landscape Solid Fascia – Working Wall Monolithic (Level I)



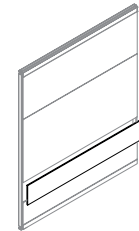
F L W M 3 Landscape Solid Fascia – Working Wall Monolithic (Level III)



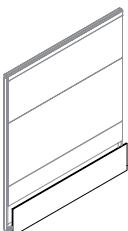
F L B W 1 Landscape Solid Fascia – Working Wall Bottom (Level I)



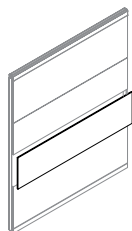
F L T W 1 Landscape Solid Fascia – Working Wall Top (Level I)



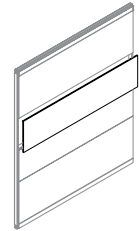
F L B W M 1 Landscape Solid Fascia – Working Wall Monolithic Bottom (Level I)



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)



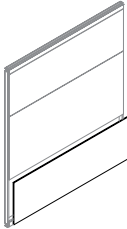
Landscape

fascias (continued)

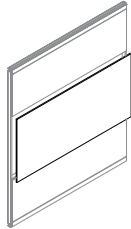
Landscape	F L R B Landscape Fabric Wrapped Base Fascia	F L R C Landscape Fabric Wrapped Ceiling Fascia	F L R W 1 Landscape Fabric Wrapped Fascia (Level I)
	F L R W 2 Landscape Fabric Wrapped Fascia (Level II)	F L R W 3 Landscape Fabric Wrapped Fascia (Level III)	F L R W M 1 Landscape Fabric Wrapped Fascia – 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)

fascias (continued)

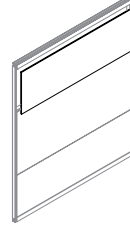
F L A T W 1 Landscape Acoustic Tackable Fascia (Level I)



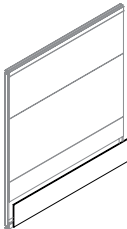
F L A T W 2 Landscape Acoustic Tackable Fascia (Level II)



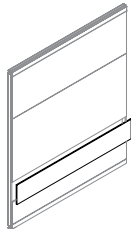
F L A T W 3 Landscape Acoustic Tackable Fascia (Level III)



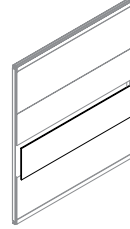
F L A T B W 1 Landscape Acoustic Tackable Fascia – Working Wall Bottom (Level I)



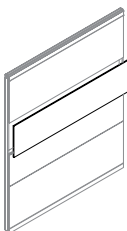
F L A T T W 1 Landscape Acoustic Tackable Fascia – Working Wall Top (Level I)



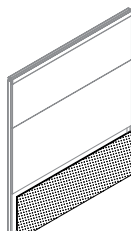
F L A T B W 2 Landscape Acoustic Tackable Fascia – Working Wall Bottom (Level II)



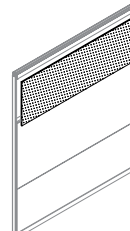
F L A T T W 2 Landscape Acoustic Tackable Fascia – Working Wall Top (Level II)



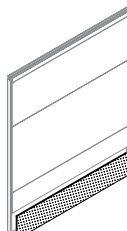
F L M P W 1 Landscape Micro Perforated Sheet Metal Fascia (Level I)



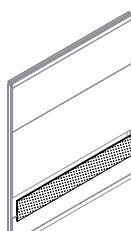
F L M P W 3 Landscape Micro Perforated Sheet Metal Fascia (Level III)



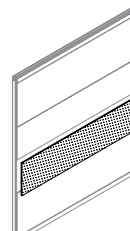
F L M P B W 1 Landscape Micro Perforated Metal Acoustic Fascia – Working Wall Bottom (Level I)



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



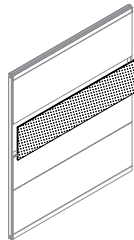
F L M P B W 2 Landscape Micro Perforated Metal Acoustic Fascia – Working Wall Bottom (Level II)



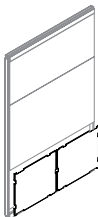
Landscape

fascias (continued)

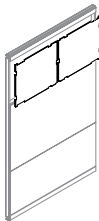
F L M P T W 2 Landscape Micro Perforated Metal Acoustic Fascia – Working Wall Top (Level II)



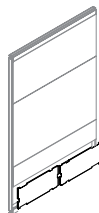
F L M B W 1 Landscape Metal Backer – Working Wall (Level I)



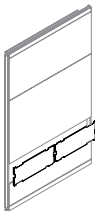
F L M B W 3 Landscape Metal Backer – Working Wall (Level III)



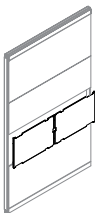
F L M B B W 1 Landscape Metal Backer Bottom (Level I)



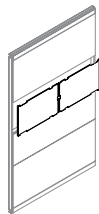
F L M B T W 1 Landscape Metal Backer Top (Level I)



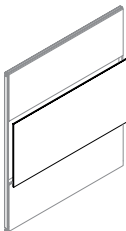
F L M B B W 2 Landscape Metal Backer Bottom (Level II)



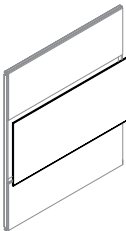
F L M B T W 2 Landscape Metal Backer Top (Level II)



F L M W N Landscape Markerboard Frameless



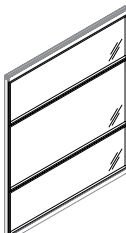
F L M M F Landscape Markerboard Framed



F L F K Landscape Aluminum Fascia Kit



F L G C Landscape Glazed Fascia Single Centered



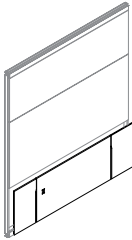
F L G D Landscape Glazed Fascia Double



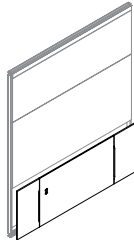
Landscape

fascias (continued)

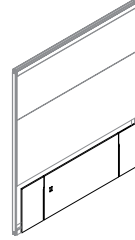
F L D F W 1 Landscape Fixed Desk Fascia (Level I)



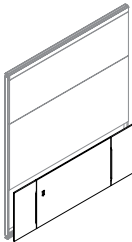
F L D F W M 1 Landscape Fixed Desk Fascia – Working Wall Monolithic (Level I)



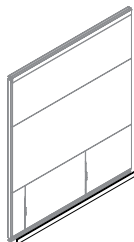
F L D H W 1 Landscape Height-Adjustable Desk Fascia (Level I)



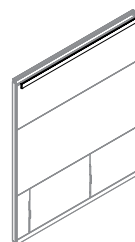
F L D H W M 1 Landscape Height-Adjustable Desk Fascia – Working Wall Monolithic (Level I)



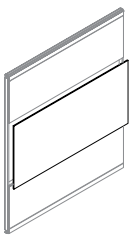
F L J B Landscape Justified Base Fascia



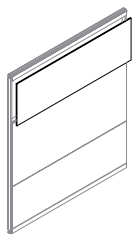
F L J C Landscape Justified Ceiling Fascia



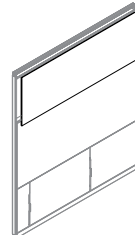
F L J W 2 Landscape Justified Solid Fascia – Working Wall (Level II)



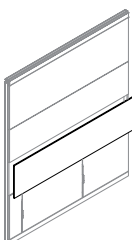
F L J W 3 Landscape Justified Solid Fascia – Working Wall (Level III)



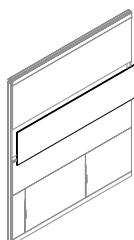
F L J W M 3 Landscape Justified Solid Fascia – Working Wall Monolithic (Level III)



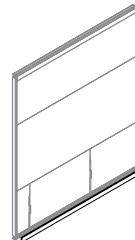
F L J B W 2 Landscape Justified Solid Fascia – Working Wall Bottom (Level II)



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

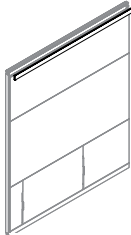
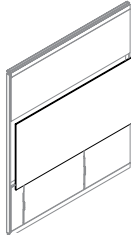
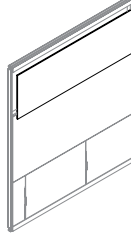
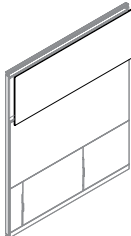
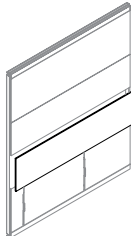
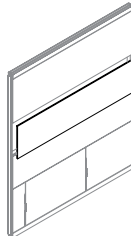
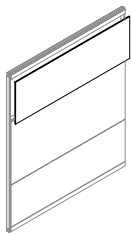
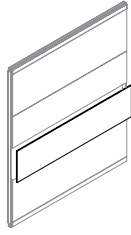
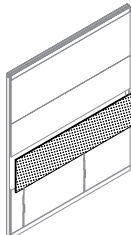
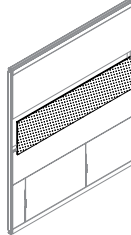


F L J R B Landscape Justified Fabric Wrapped Base Fascia



Landscape

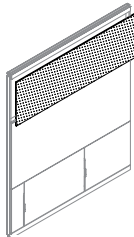
fascias (continued)

Landscape	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)
			

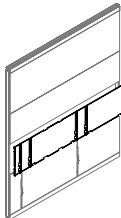
fascias (continued)

Landscape

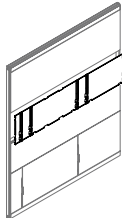
F L J M P W 3 Landscape
Justified Micro Perforated
Metal Acoustic Fascia
(Level III)



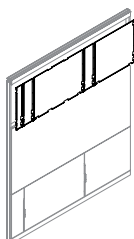
F L J M B B W 2 Landscape
Justified Metal Backer
Bottom (Level II)



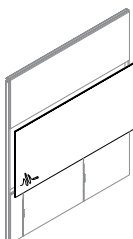
F L J M B T W 2 Landscape
Justified Metal Backer Top
(Level II)



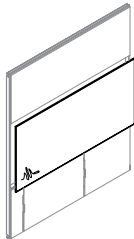
F L J M B W 3 Landscape
Justified Metal Backer
(Level III)



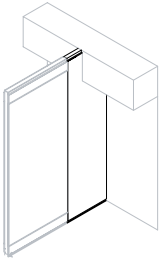
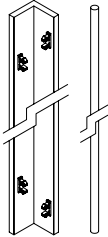
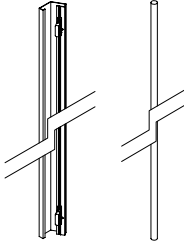
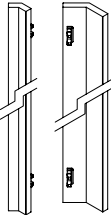
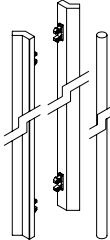
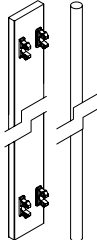
F L J M W N Landscape Justified
Markerboard Frameless



F L J M M F Landscape Justified
Markerboard Framed



fascias (continued)

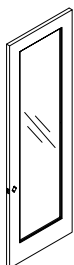
Portrait & Landscape	F P F Filler Panel	F K C N 9 0 Two-Way 90° Corner Cover	F K C N 1 2 0 Two-Way 120° Corner Cover
			
	F K C N 1 3 2 Two-Way 135° Corner Cover	F K C N 1 3 3 Three-Way 135° Corner Cover	F K C N 1 8 0 Three-Way 180° Corner Cover
			

doors

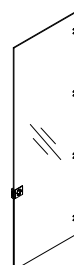
F D S S Z L Solid Hinged Door Leaf Single



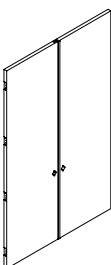
F D S N Z L Solid Hinged Door Leaf with Glass Insert Single



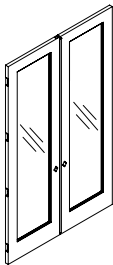
F D S G Z L Glass Hinged Door Leaf Single



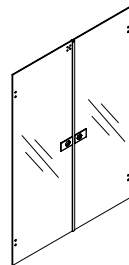
F D D S Z L Solid Hinged Door Leaf Double



F D D N Z L Solid Hinged Door Leaf with Glass Insert Double



F D D G Z L Glass Hinged Door Leaf Double



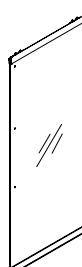
F D S G P L Glass Pivot Door Leaf Single



F D C L Framed 45mm Double Glazed Pivot Door Leaf Single



F D S G S L Glass Sliding Door Leaf Single



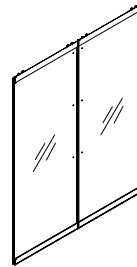
F D S S S L Solid Sliding Door Leaf Single



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



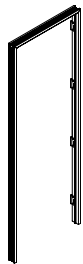
F D D G S L Glass Sliding Door Leaf Double



Leaves

doors (continued)

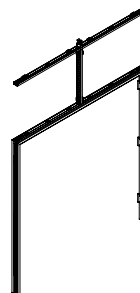
F D S S Z F Solid Hinged Door
Jamb Kit Single



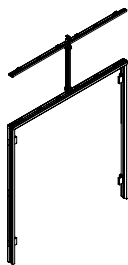
F D S G Z F Glass Hinged Door
Jamb Kit Single



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



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



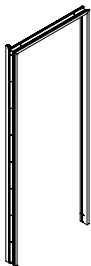
F D S G P F Glass Pivot Door
Jamb Kit Single



F D C J 45mm Glass Pivot Door
Jamb Kit Single



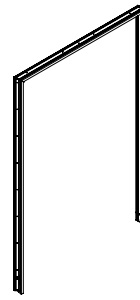
F D S G S J Glass Sliding Door
Jamb Kit Single



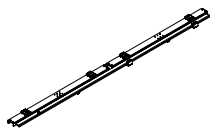
F D S S S J Solid Sliding Door
Jamb Kit Single



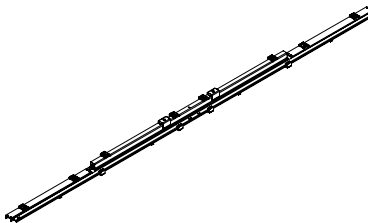
F D D G S J Glass Sliding Door
Jamb Kit Double



F D S S S R Sliding Door Rail
Single



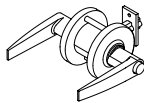
F D D S S R Sliding Door Rail
Double



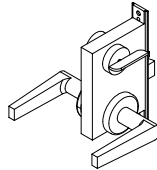
doors (continued)

Handles

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



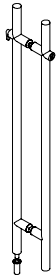
**F D H S L Door Handle Schlage
L Series**



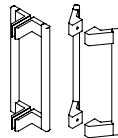
**F D S C P Door Handle Ceiling
Pull**



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



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



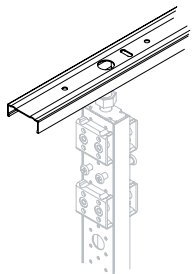
F F K K Control Key



frame kits & components

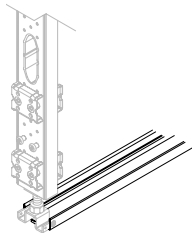
F K N Ceiling Channel

Xpress



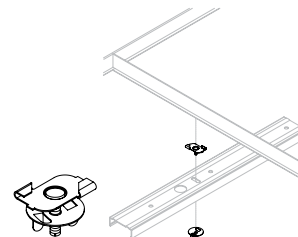
F K C Base Channel – Continuous

Xpress

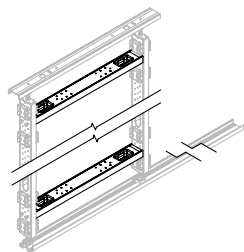


F K P Ceiling Clips

Xpress

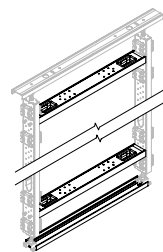


F P K K Horizontal Rail



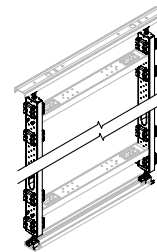
F P K H Horizontal Rail Packages

Xpress



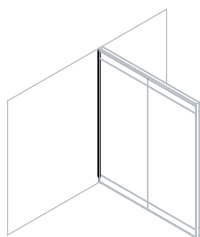
F K V Vertical Post Packages

Xpress



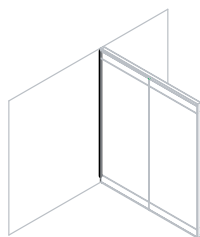
F K W Wall Start

Xpress

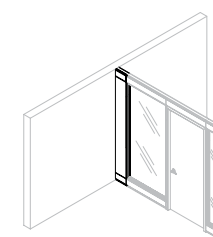


F P K W Adjustable Wall Start

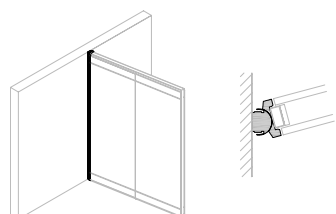
Xpress



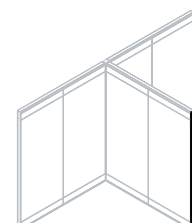
F K E Adjustable Wall End



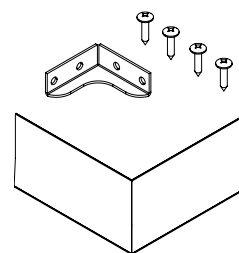
F K W A Variable Angle Wall Start



F K F Wall Finished End

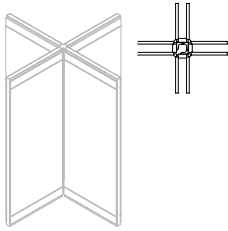


F K C H Hardware for Altos Corner Connections

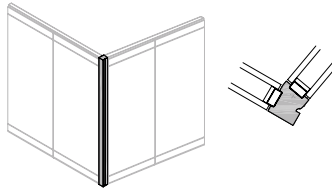


frame kits & components (continued)

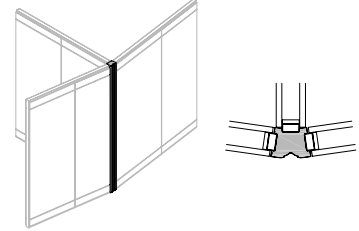
F K C 4 Four-Way Connection



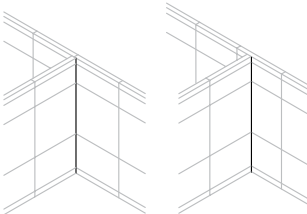
F K C A 2 Articulating Two-Way Corner



F K C A 3 Articulating Three-Way Corner



F K M 3 Three-Way 180° Module Connection

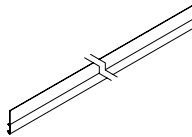


On-Module

Off-Module

F K J Wall Gasket

Xpress



F K J C Vertical Reveal Corner Kit



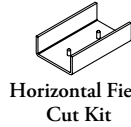
F T T Installation Tools



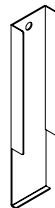
Male Connector Insertion Tool



Reveal Wire Management Insertion Tool



Horizontal Field Cut Kit



Fascia Removal Tool



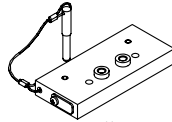
Foam Tape (1)



Foam Tape (2)



Drill Stop Assembly

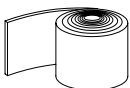


Jig To Drill Fascias in the Field

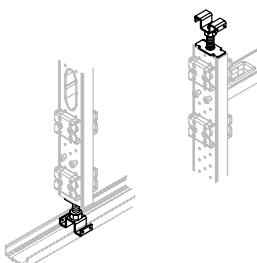
F B G Horizontal Grommet



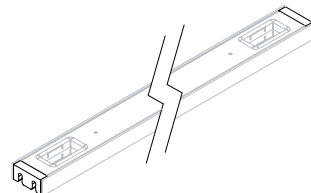
F A I Recycled Cotton Insulation



F B B Base Leveler

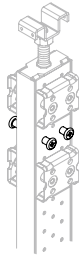


F B E Horizontal End Cap

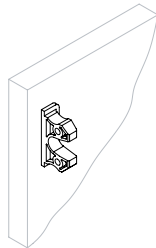


frame kits & components (continued)

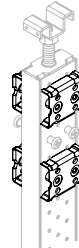
F B N Horizontal Connector Bolt



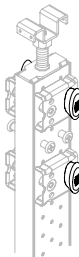
F B F M Fascia Connector – Male



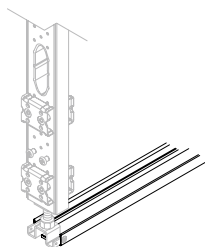
F B F F Fascia Connector – Female



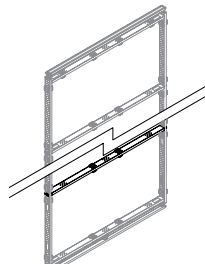
F K L Fascia Lock



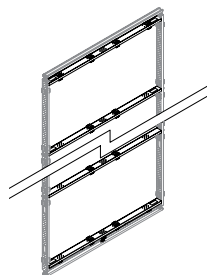
F P K B Base Channel – Modular



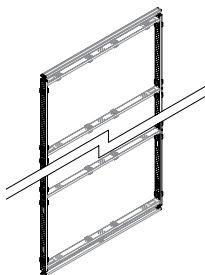
F L K F Landscape Functional Rail Kit



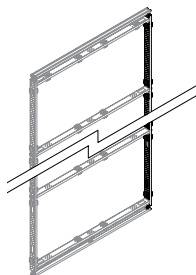
F L K H Landscape Horizontal Rail Package



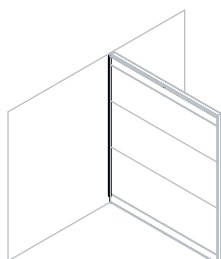
F L K V Landscape Vertical Post Package



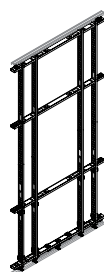
F L K V P Landscape to Portrait Vertical Post Package



F L K W Landscape Adjustable Wall Start

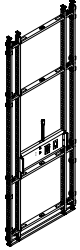


F L D F Landscape Desk Frame

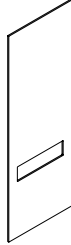


tek pier – portrait

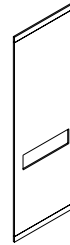
F K T K P Frame Assembly for Tek Pier



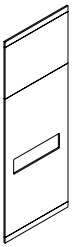
F F M T K P Monolithic Fascia



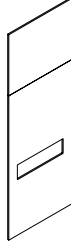
F F F T K P Full Fascia Kit



F F S T K P Segmented Fascia Kit



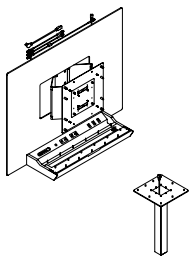
F F S M T K P Segmented Monolithic Fascia Kit



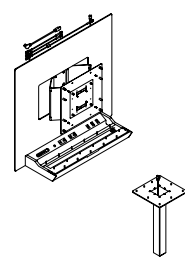
F F C B T K P 4" Base and Ceiling Fascia Kit for Tek Pier (Opposite Side)



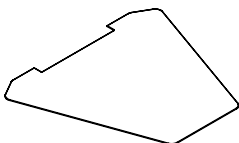
T K P 1 Tek Pier Assembly 1



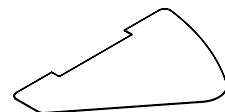
T K P 2 Tek Pier Assembly 2



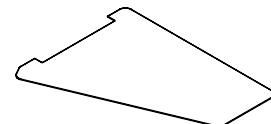
T K P A Spade Top Worksurface



T K P B Pie Top Worksurface

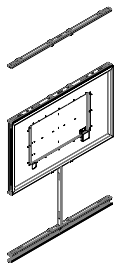


T K P C Wedge Top Worksurface



tv shroud

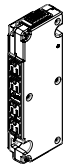
F F S F A TV Shroud Fascia



F F S P F TV Shroud Power Feed

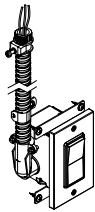


F F S D B TV Shroud Distribution
Box

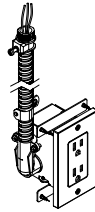


lighting, electrics & communications

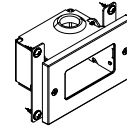
E L S Light Switch



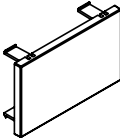
E R M Receptacle Module



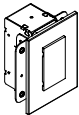
E C M Communications Module



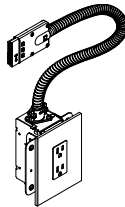
E F C C Fascia Cover Cap



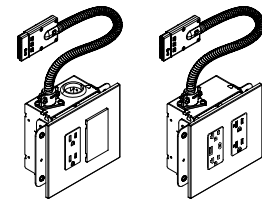
E P D M C Power Data Vertical Module – Communication



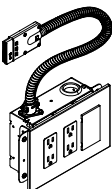
E P D M S Power Data Vertical Module – Single



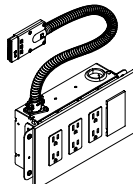
E P D M D Power Data Vertical Module – Double



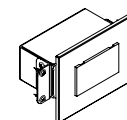
E P D M T Power Data Vertical Module – Triple



E P D M Q Power Data Vertical Module – Quad



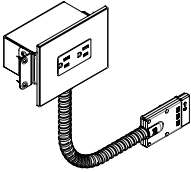
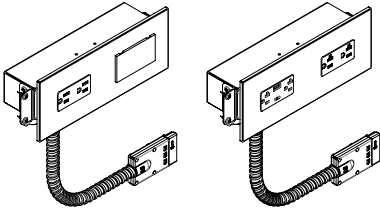
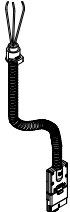
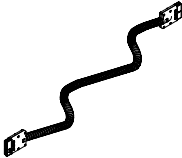
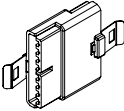
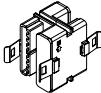
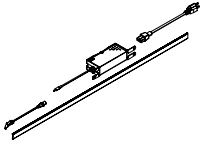
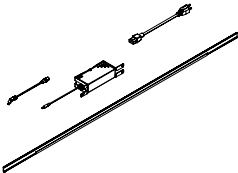
E P D H C Power Data Horizontal Module – Communication



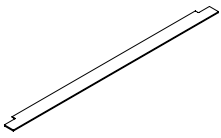
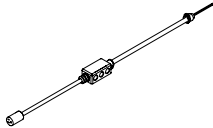
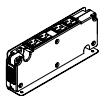
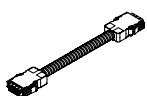
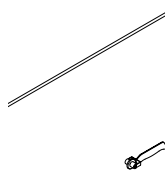
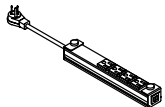
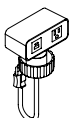
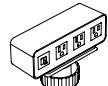
Hardwire

Power Data

lighting, electrics & communications (continued)

Power Data	EPDHS Power Data Horizontal Module – Single 	EPDHD Power Data Horizontal Module – Double 	EPDSC Power Data Starter Cable 
	EPDCH Power Data Connecting Harness 	EPDIC Power Data Inline Connector 	EPDDB Power Data Four-Way Splitter 
Portrait	ELWMP S Portrait Wall- Mounted Light – Single 	ELWMP D Portrait Wall- Mounted Light – Double 	

lighting, electrics & communications (continued)

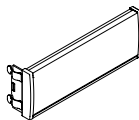
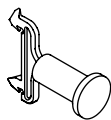
Landscape	E L W M L Landscape Wall-Mounted Light 	E L P F Light Power Feed 	E L W D B In-Wall Distribution Box 
	E L D H Landscape Desk Connecting Harness 	E L W M G Landscape Light Wire Management 	E C F Ceiling/Underfloor Feed 
Power Accessories	E L P R Power Rod page 925 	E P W R C Power Cube page 926 	E P W R H Power Cube, High Capacity page 927 

mounted storage & accessories

F M C H Coat Hook

F M A H Art Hook

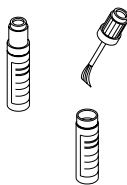
F M O S Office Signage



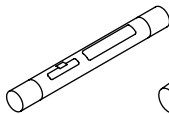
KT Touch-Up Kits

Xpress

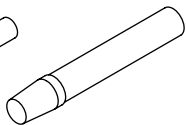
FLON On-Module Cantilever



Small Brushes
(KT100)



Crayon
(KT401)



Marker
(KT402)



Filler Panel Edge Kit
(KT600)



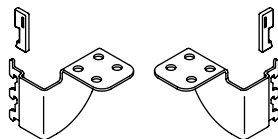
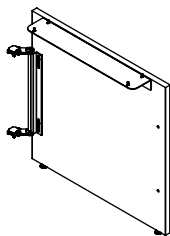
Right



Left

TLFL Fixed Height Gable

FLCB On-Module Corner Bracket

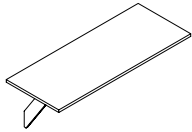


Left

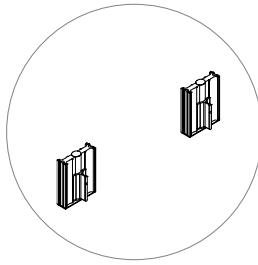
Right

collection – landscape

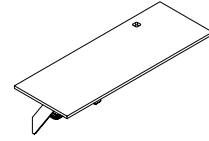
F L D F X Landscape Desk Fixed



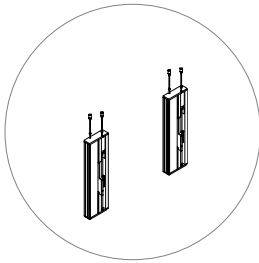
F L D F X C Landscape In-Wall Connection for Fixed Desk



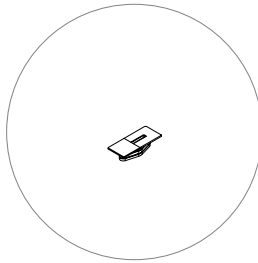
F L D H A Landscape Desk Height-Adjustable



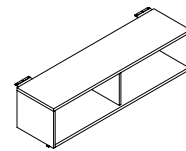
F L D H A C Landscape In-Wall Connection for Height-Adjustable Desk



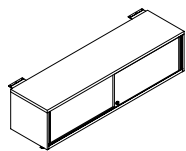
F L G R Rectangular Grommet



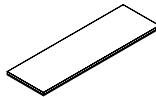
F L W C O Landscape Wall-Mounted Open Cabinet



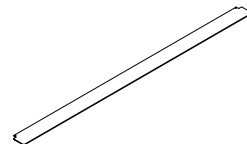
F L W C S Landscape Wall-Mounted Sliding Door Cabinet



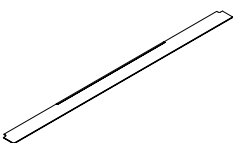
F L F C Landscape Fitted Seat Cushion



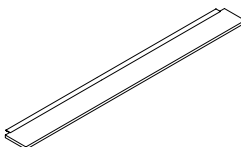
F L S A Landscape Shelf Aluminum



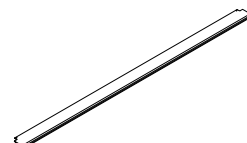
F L S G Landscape Shelf Glass



F L S S Landscape Shelf Solid



F L T W Landscape Tray Whiteboard



understanding portrait

understanding portrait

PLANNING POSSIBILITIES – PRIVATE OFFICE47

PLANNING POSSIBILITIES – EXECUTIVE OFFICE48

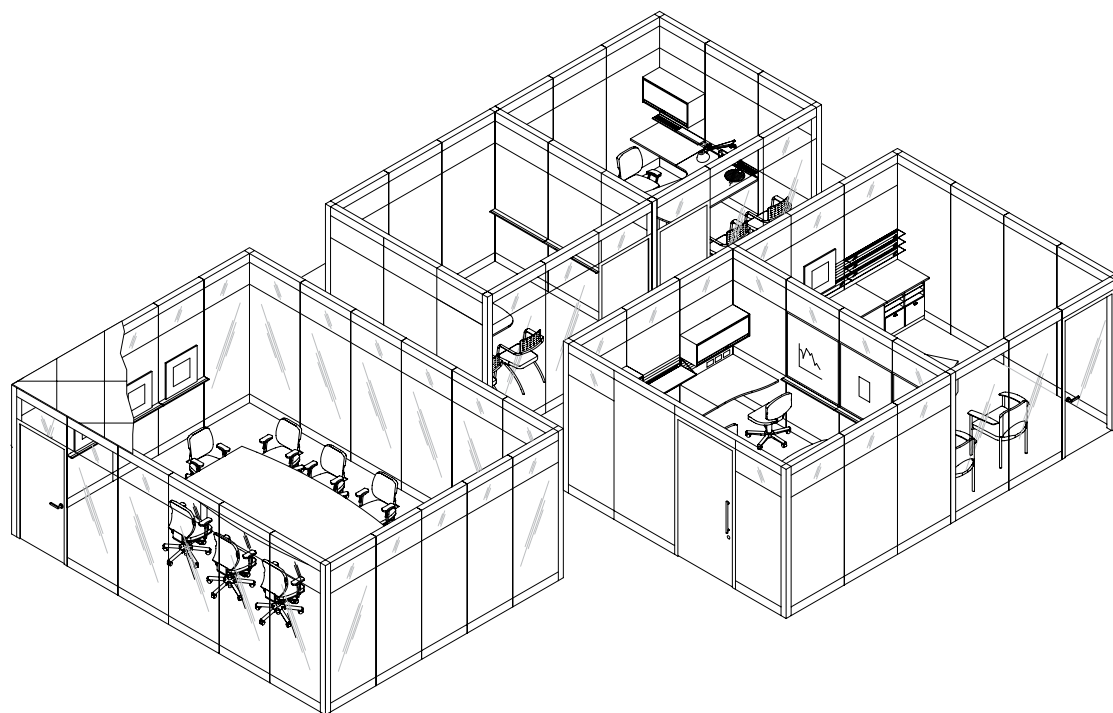
PLANNING POSSIBILITIES – BOARDROOM49

PLANNING POSSIBILITIES – TRAINING ROOM50

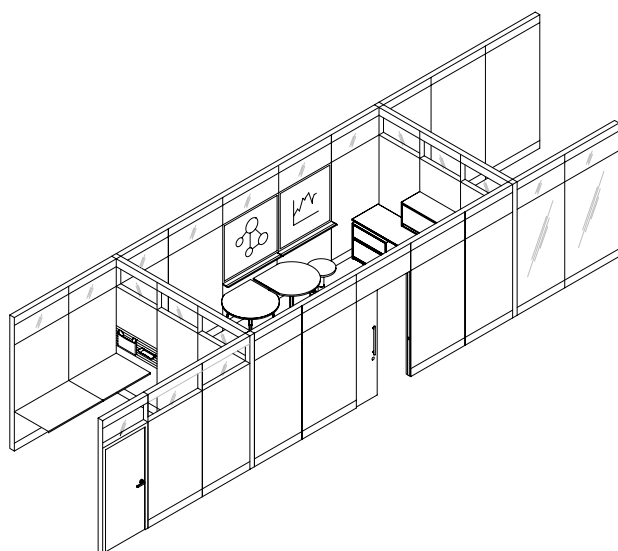
portrait overview

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.

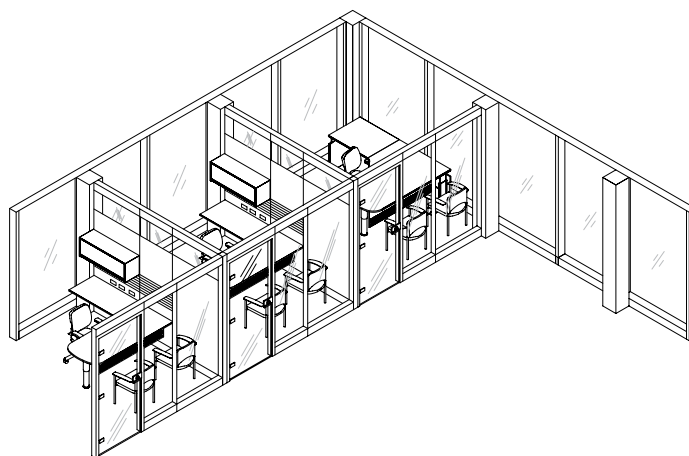
- Altos readily furnishes privacy requirements in spaces like private offices, team rooms, boardrooms and shared workspaces
- Altos is designed so that its simple, clean aesthetic blends seamlessly with existing office environments and complements building interiors
- An array of Fascias provides many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



freestanding

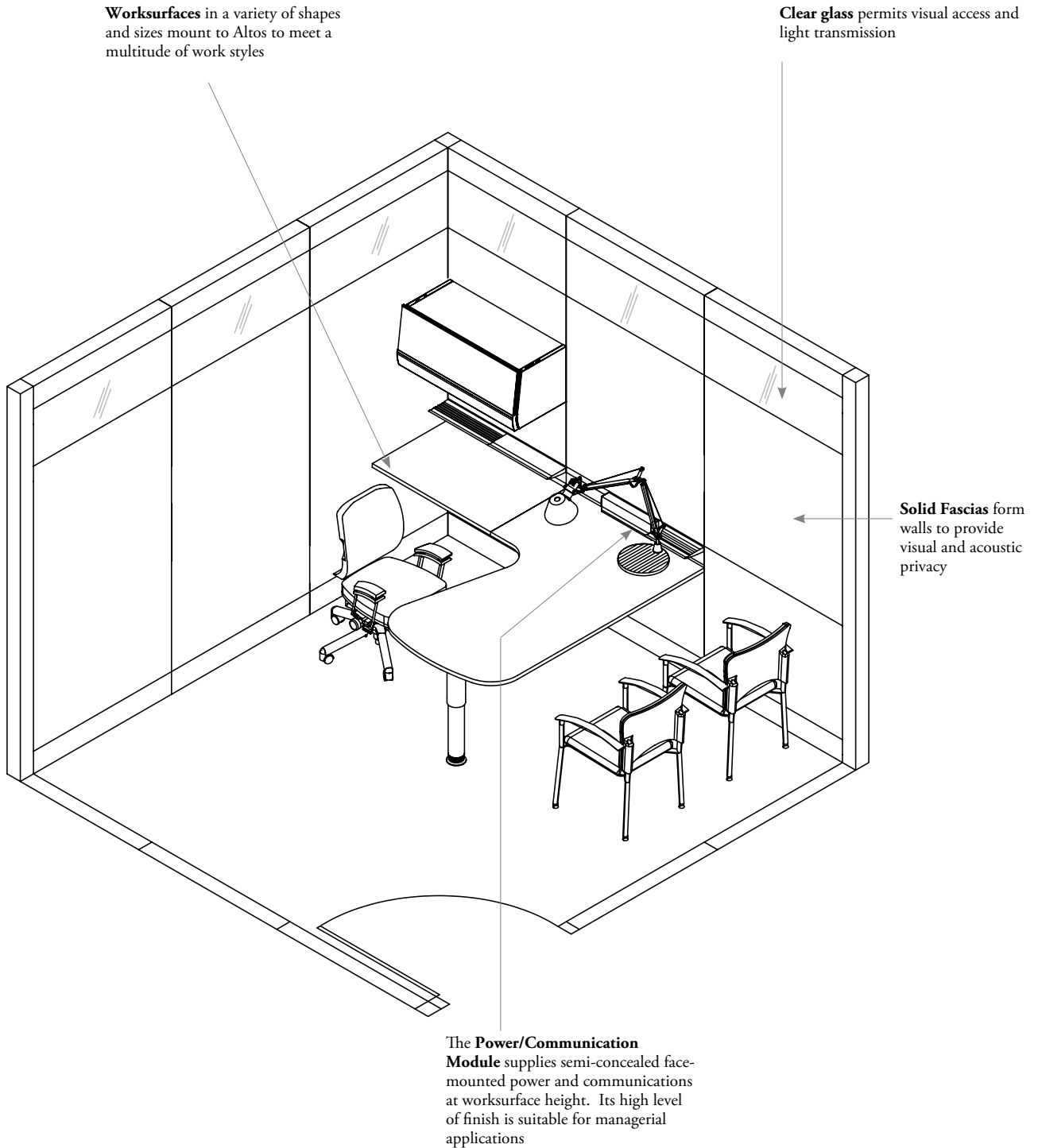


interface with building architecture



planning possibilities – private office

Full-height Altos walls combine privacy and elegance to respond to today's managerial needs.

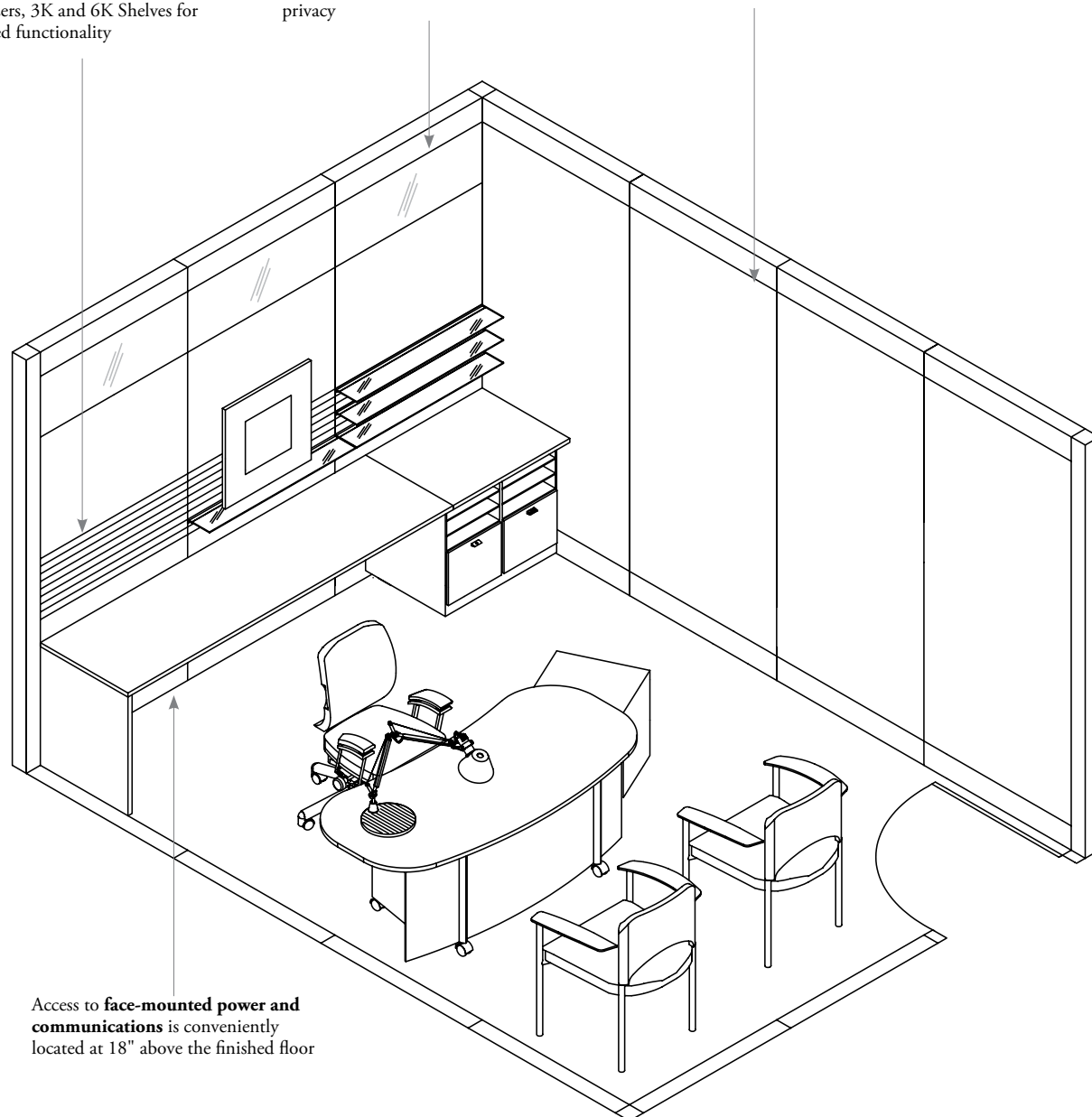


planning possibilities – executive office

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



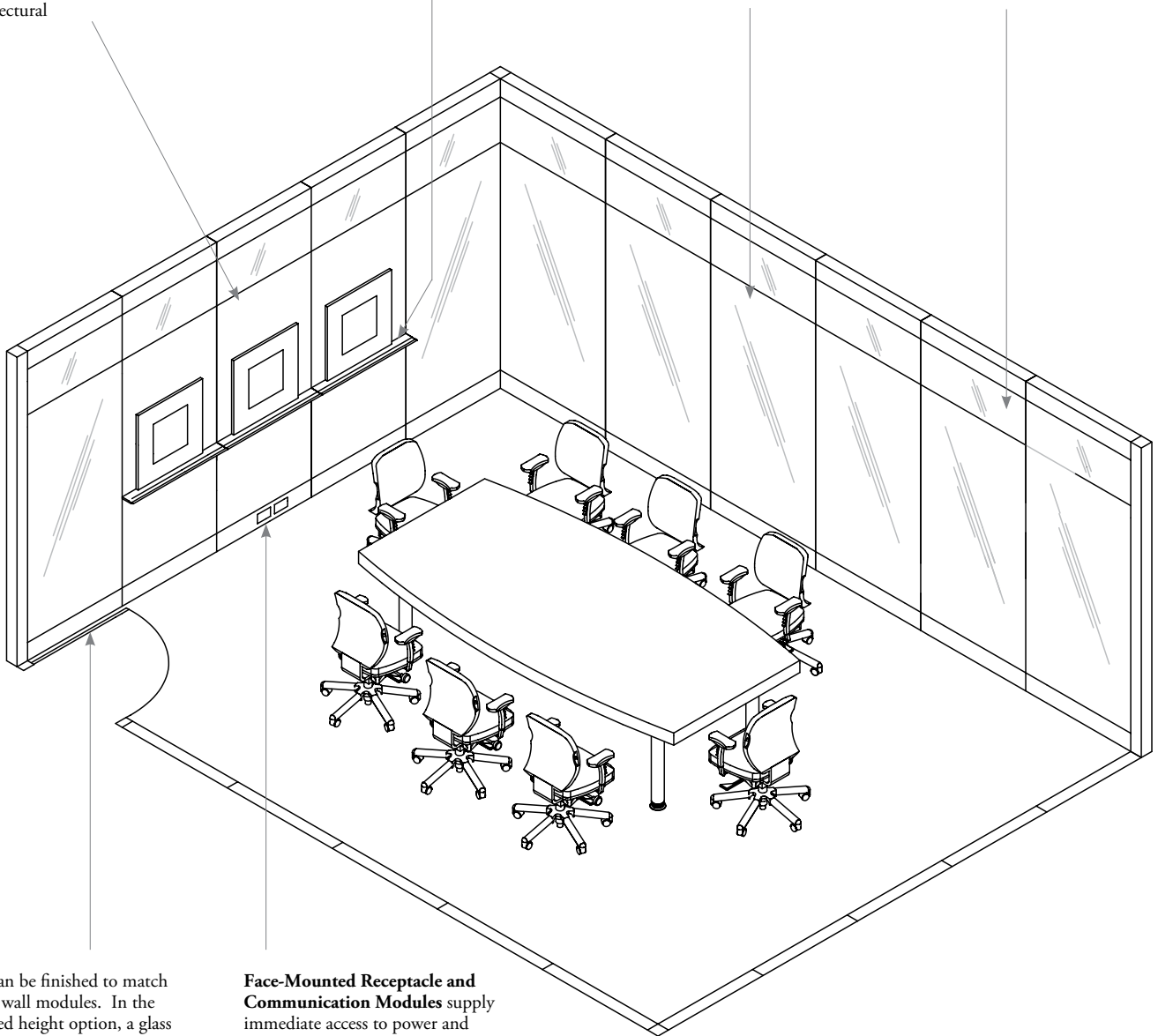
planning possibilities – boardroom

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

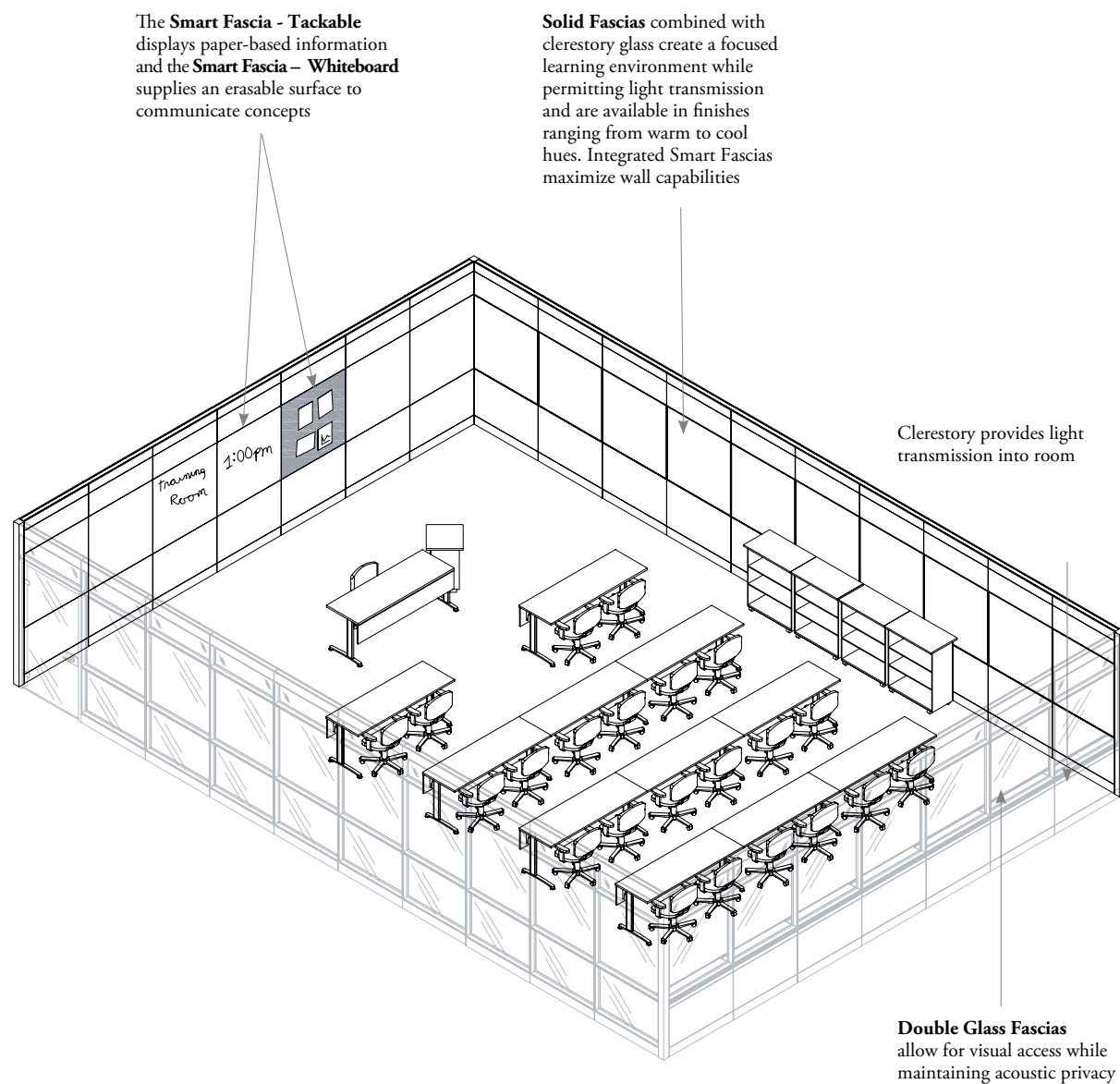


Doors can be finished to match adjacent wall modules. In the segmented height option, a glass transom permits light transmission

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.



portrait – fascias

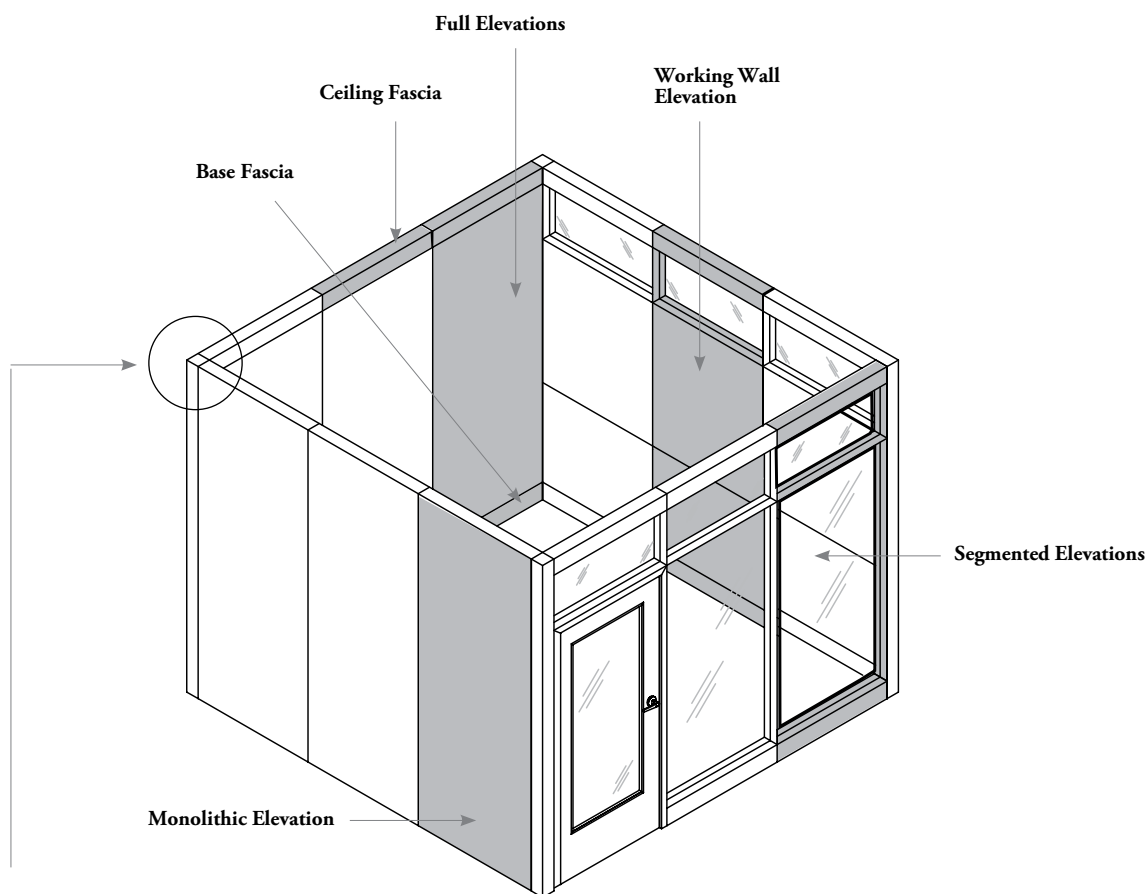
portrait – fascias

FASCIA ELEVATION OVERVIEW.	54
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PLANNING WITH ACOUSTIC & FABRIC WRAPPED FASCIAS.	60
SMART FASCIA BASICS	61
PLANNING WITH SMART FASCIAS.	62
FILLER PANEL BASICS	63
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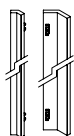
fascia elevation overview

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

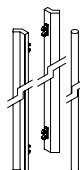


Also available but not shown:



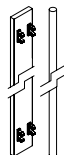
Two-Way 135° Corner Cover (FKCN132)

Provides a full-height trim for two walls connected at 135°



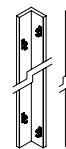
Three-Way 135° Corner Cover (FKCN133)

Provides a full-height trim for three walls connected at 135°



Three-Way 180° Corner Cover (FKCN180)

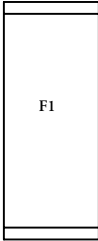
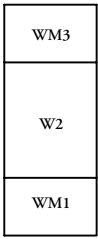
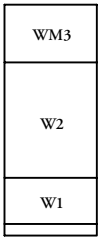
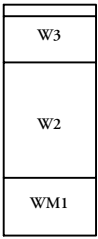
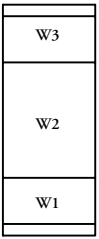
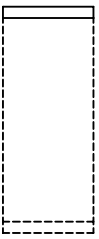
Provides the full-height trim for three walls connected at 180°



Two-Way 90° Corner Cover (FKCN90)

Provides the full-height trim for two walls connected at 90° at Two-Way Connection 90° Corner

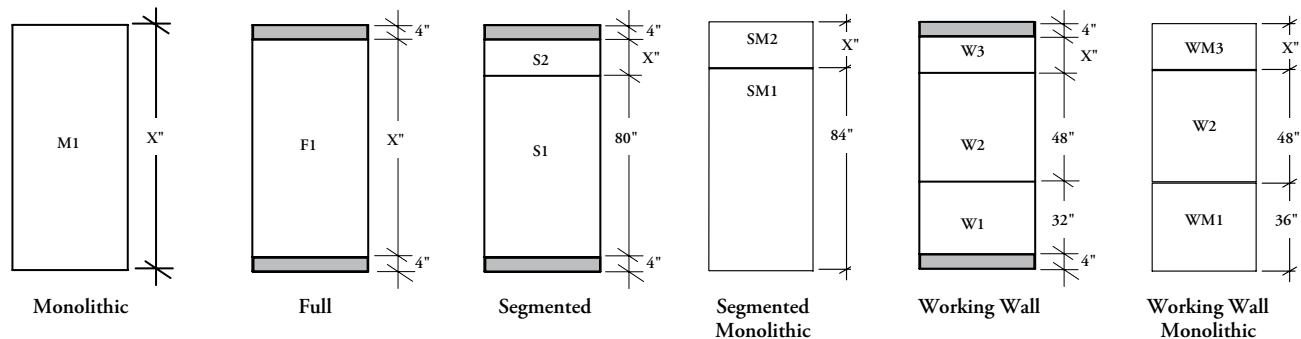
fascia elevation overview (continued)

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 than 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".

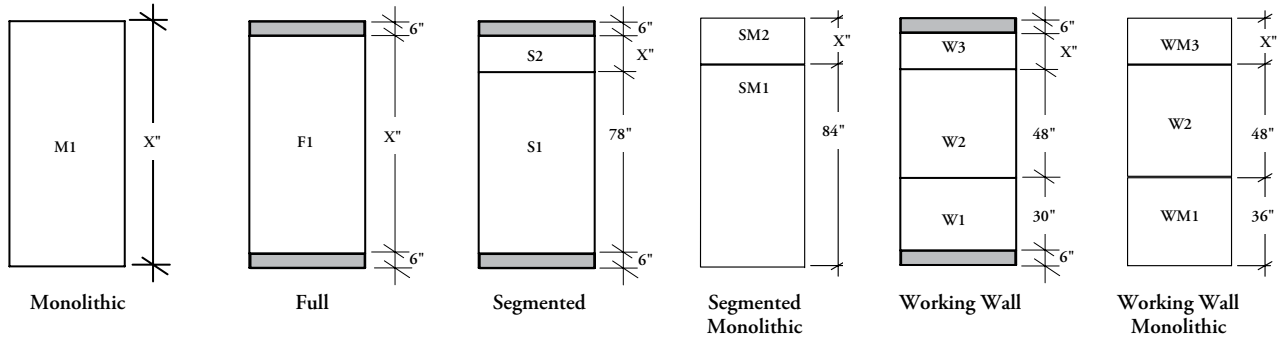


Product Code	Fascia Description	M1	F1	S1	S2	SM1	SM2	W1	W2	W3	WM1	WM3		
		Fascia Height Calculation (inch)												
		X"=CH	X"=CH-8	80	X"=CH-88	84	X"=CH-84	32	48	X"=CH-88	36	X"=CH-84		
		Fascia Height Range (inch)												
FP_	Solid	86-120	74-112	80	6-32	84	6-36	32	48	6-32	36	6-36		
FPGCR_	Single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

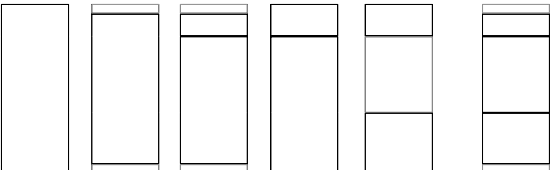
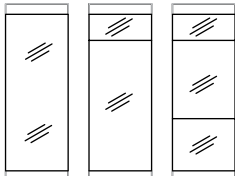
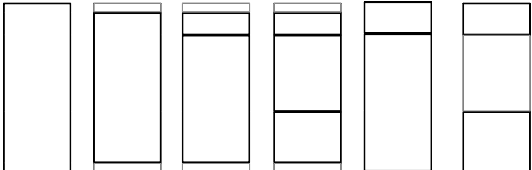
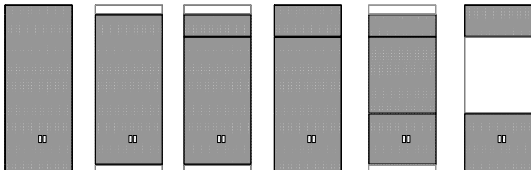
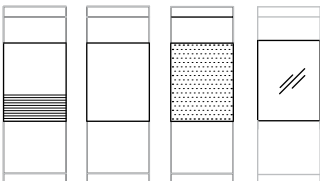
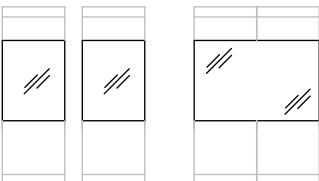
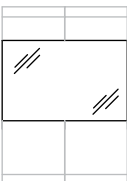
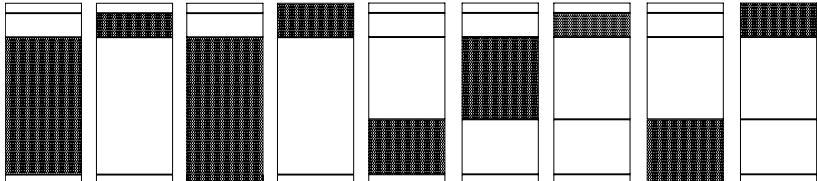
- With ceiling height (CH), calculate height Dimension X" for a fascia configuration (M1, F1, S1, S2, SM1, SM2, W1, W2, W3, WM1, WM3).
- See if the product code's Fascia Height Range satisfies the calculated height Dimension X".



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				12-32	84	8-36	12-32	36	8-36
FPGCS	Single Glass, Square Corner															
FPGDR	Double Glass, Round Corner															
FPGDS	Double Glass, Square Corner															
FPA	Acoustic	86-120	74-112		6-32	n/a	12-36				6-36	48	6-32	6-36		
FPAT	Acoustic Tackable															
FPMP	Micro Perforated Metal Acoustic	n/a	n/a													
FPMB	Sheet Metal Backer															
FPR	Fabric Wrapped	86-120	74-112		n/a	n/a	n/a				n/a	n/a	n/a	n/a	n/a	
FPMA	Smart Accessories															
FPMT	Smart Tackable															
FPMW	Smart Whiteboard															
FPMMF	Framed Backpainted Glass Markerboard															
FPMWN	Frameless Backpainted Glass Markerboard															
FDMMF	Framed Backpainted Glass															
FPMMFD	Framed Backpainted Glass, Double															
FFFK	Aluminum	86-120							n/a							

specifying fascia 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 (FPMA, FPMW, FPMT) 	30" – 48"	Backpainted Glass Markerboard – Framed, Frameless (FPMMF, FPMWN) 	12" – 48"
		Framed Backpainted Glass Markerboard – Double Span (FPMMF) 	24" – 96"
Micro Perforated Metal Acoustic Fascia - Segmented, Working (FPMPS1, FPMPS2, FPMPSM1, FPMPSM2, FMPW1, FMPW2, FMPW3, FMPWM1, FMPWM3) 	12" – 44"		

application guide

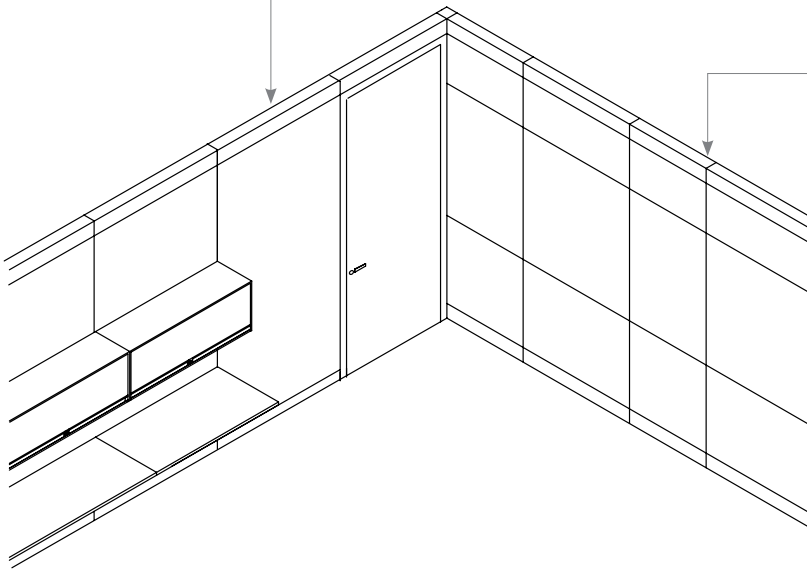
planning with fascia widths

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

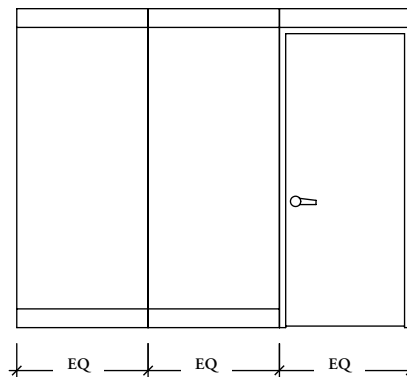
- Permits suspending of worksurfaces, mounted storage and accessories
- The 40", 42" and 48" (Sliding Door only) Fascia widths match door widths
- Core Fascia widths accommodate reconfiguration better than 1/8" incremental widths



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.

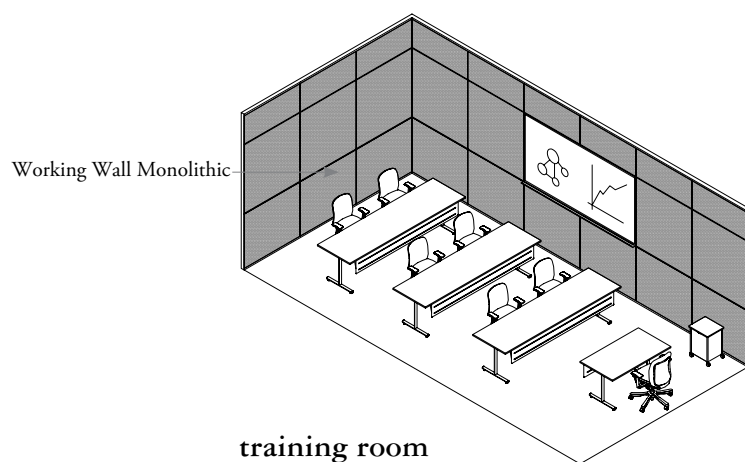


Limiting the number of Fascia width variations simplifies reconfiguration and planning

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.

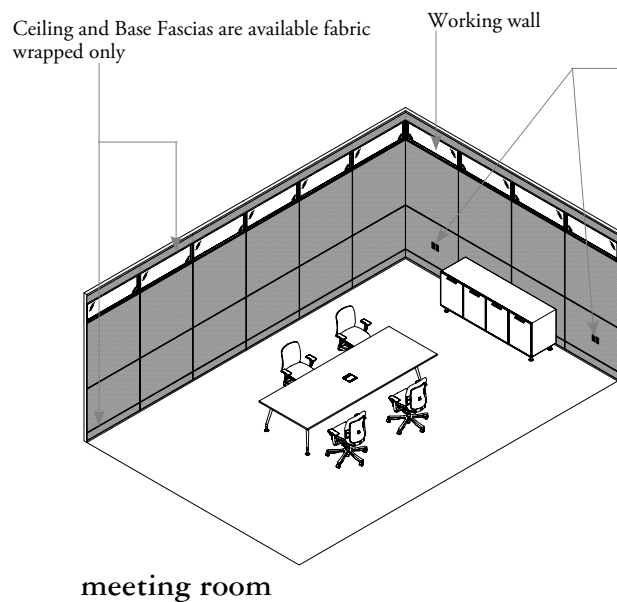


IMPORTANT:

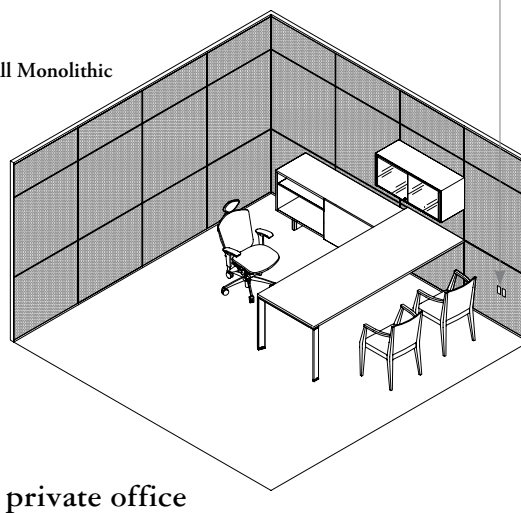
Acoustic fascias have a backer that sits within the wall cavity and therefore cannot span any internal framework (horizontal/verticals).

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.

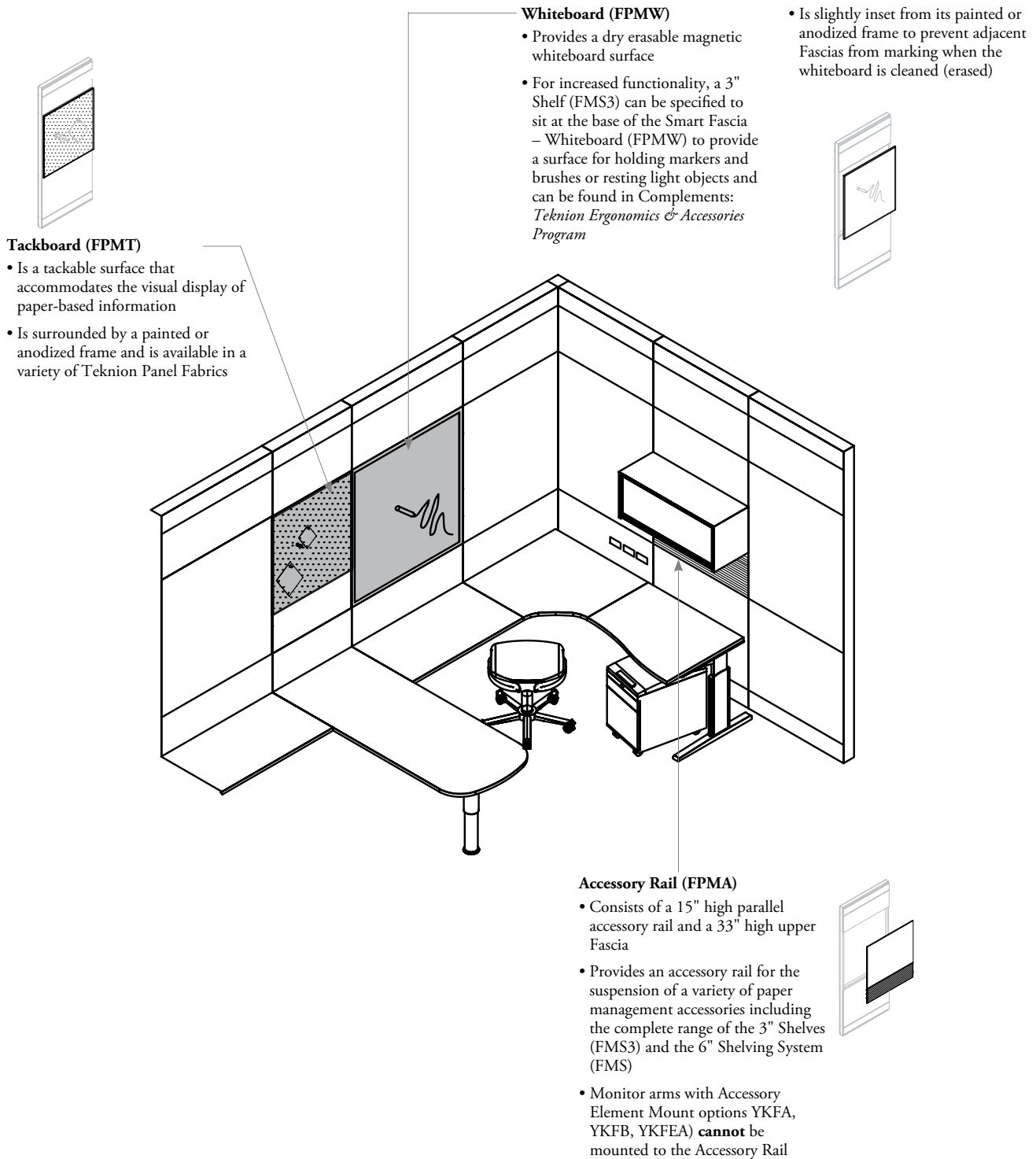


Working Wall Monolithic



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

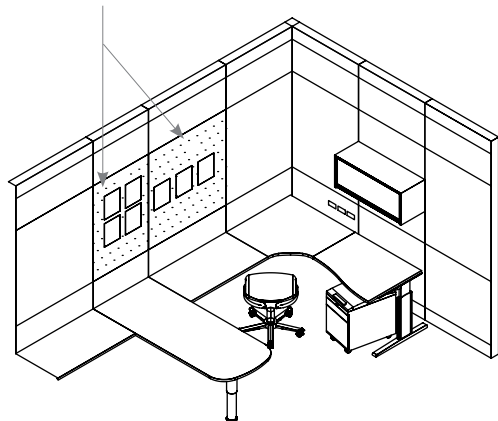


planning with smart fascias

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

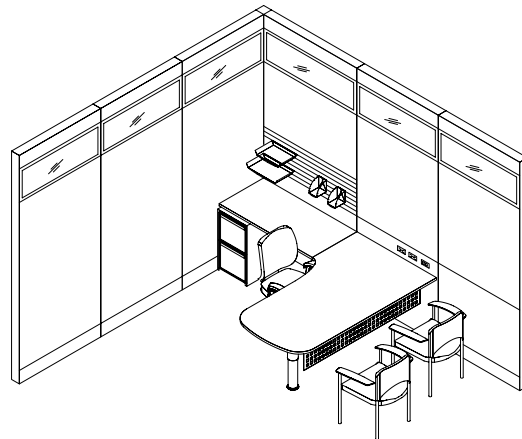
All Smart Fascias can be used on both sides of applicable wall modules

Smart Fascia – Tackboard (FPMT)



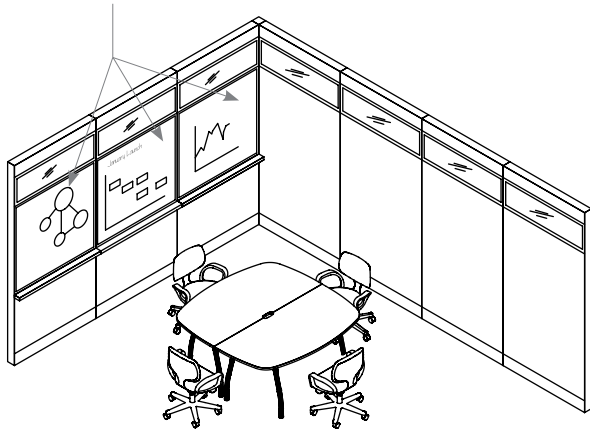
Tackboards used in a private office

Smart Fascia – Accessory (FPMA)



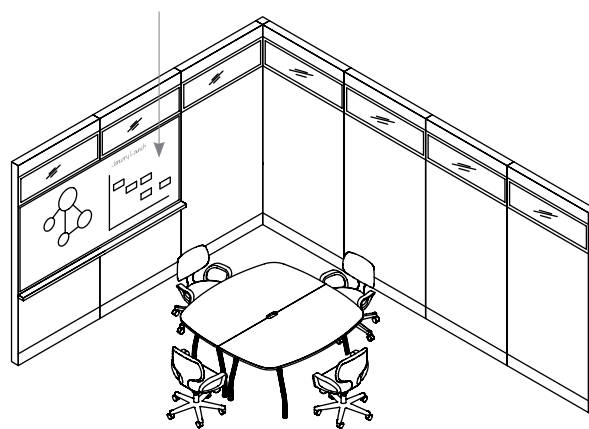
Accessory Rail used in a private office

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



Whiteboards used in a meeting area

Portrait Framed Backpainted Glass – Markerboard Double Span (FPMMF)



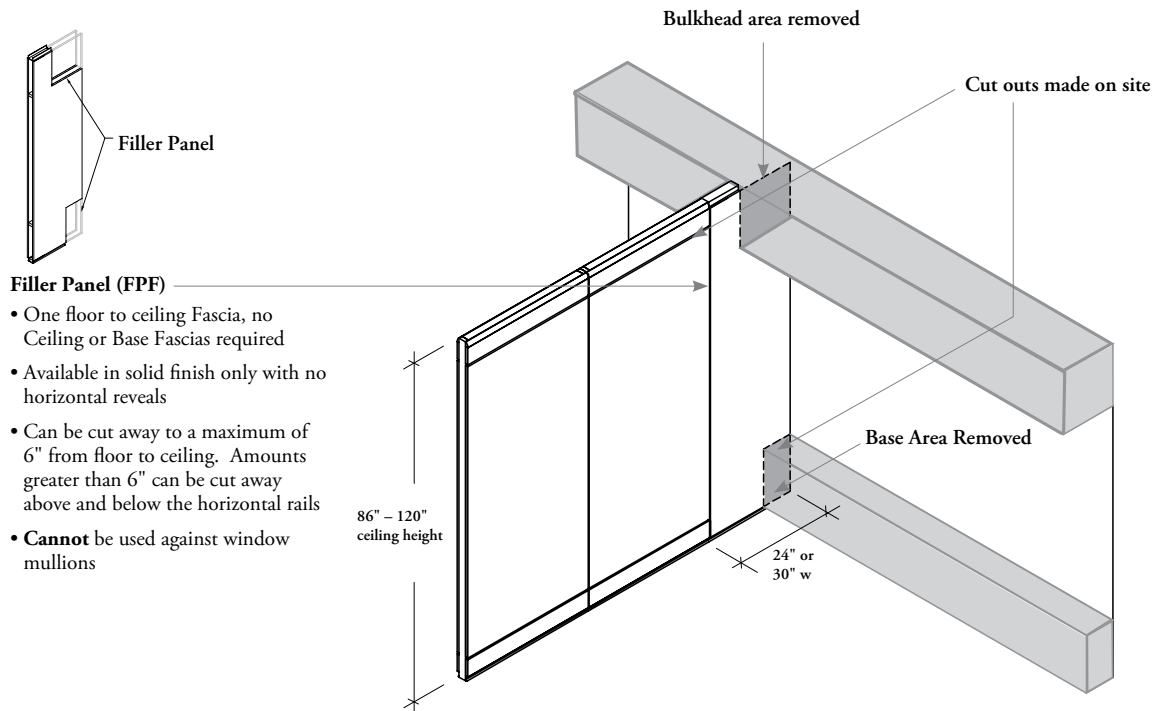
Whiteboards used in meeting area spanning across two panels.

application guide

filler panel basics

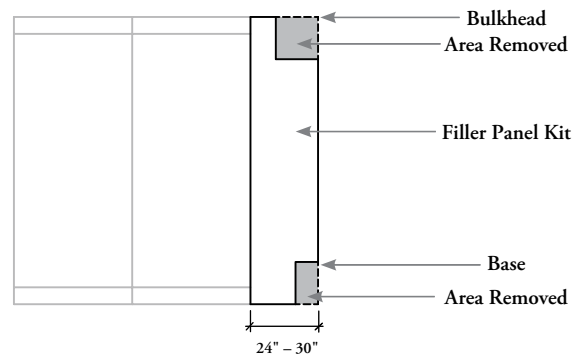
The Filler Panel (FPF) is used when an Altos wall surface needs to be cut away to fit the wall around the building structure, usually at the perimeter of the building.

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 (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

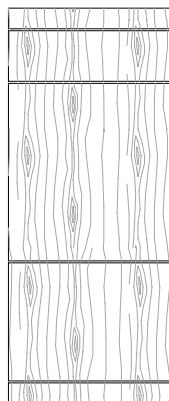


fascia finishes - portrait

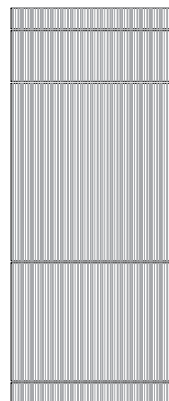
The following finishes are available on Altos.

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



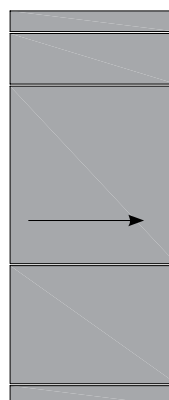
The illustration above demonstrates the grain direction of Cathedral Flintwood finishes for fascias.



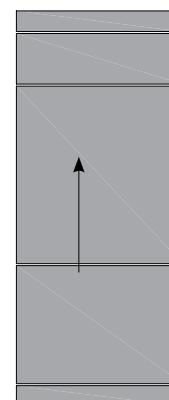
The illustration above demonstrates the grain direction of Standard Flintwood finishes for fascias.

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



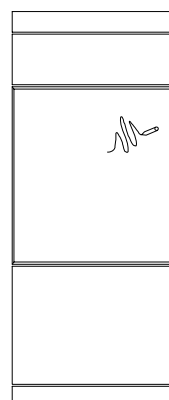
The illustration above demonstrates the Railroad fabric direction for Fabric Wrapped fascias.



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

Framed Backpainted Glass – Markerboard Fascias

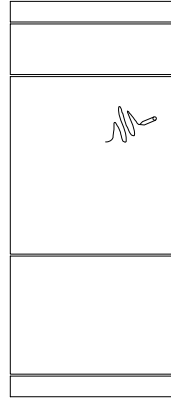
- Available 12" - 48" wide nominal in 1/8" increments
- Available magnetic or non-magnetic
- Frame finishes include:
 - Anodized
 - Painted
 - Soft Black
 - Platinum
 - Warm Nickel
 - Mulled Wine
 - Boreal
 - Ocean Abyss
- Available only in W2 location on Working Wall and Cabinet Working Wall
- Electrical 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)

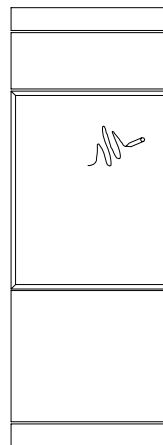
Frameless Backpainted Glass – Markerboard Fascias

- Available 12" - 48" wide nominal in 1" increment
- Available only in W2 locations on working wall and cabinet working wall
- Electrical boxes and switches are not available on markerboard fascias



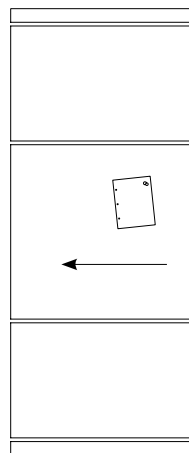
Smart Fascias – Whiteboard

- 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

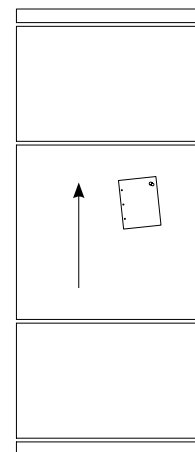


Acoustic Tackable Fascias

- 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.

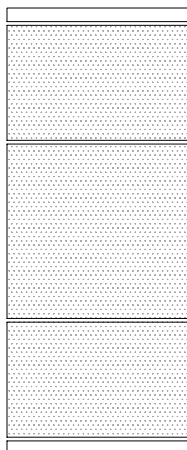


The illustration above demonstrates the Off-the-bolt fabric direction for Acoustic Tackable fascias.

fascia finishes - portrait (continued)

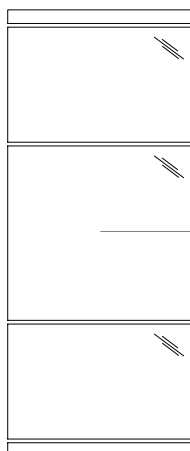
Micro Perforated Metal Acoustic Fascias

- 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.

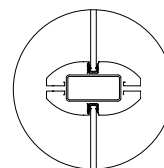


Glass Fascias - Single

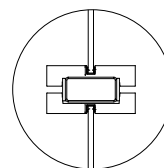
- Available in 6mm Glass
- Glass Fascias are available in Square and Round Profiles
- Available 6" - 112" high in 1" increments
- Available 12" - 48" wide nominal in 1/8" increments
- Glass options: Tempered or Laminated
 - Tempered Glass Finish: Clear
 - Laminated Glass Finish: Clear, 80% Cool White, 65% white, polar white
- Frame Finishes include
 - Anodized
 - Painted
- Electrical boxes and switches are not available on glass fascias



Level W2
(48" High)



Round Profile

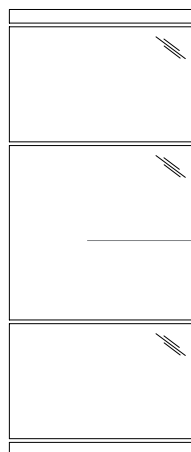


Square Profile

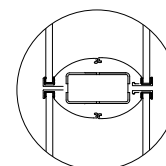
Working Wall elevation shown

Glass Fascias - Double

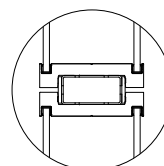
- Available in double layer of 6mm Glass
- Glass Fascias are available in Square and Round Profiles
- Available 6" - 112" high in 1" increments
- Available 12" - 48" wide nominal in 1/8" increments
- Glass options: Tempered or Laminated
 - Tempered Glass Option:
 - Both panes will be tempered
 - Glass 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
- Frame Finishes include
 - Anodized
 - Painted
- Electrical boxes and switches are not available on glass fascias.



Level W2
(48" High)



Round Profile



Square Profile

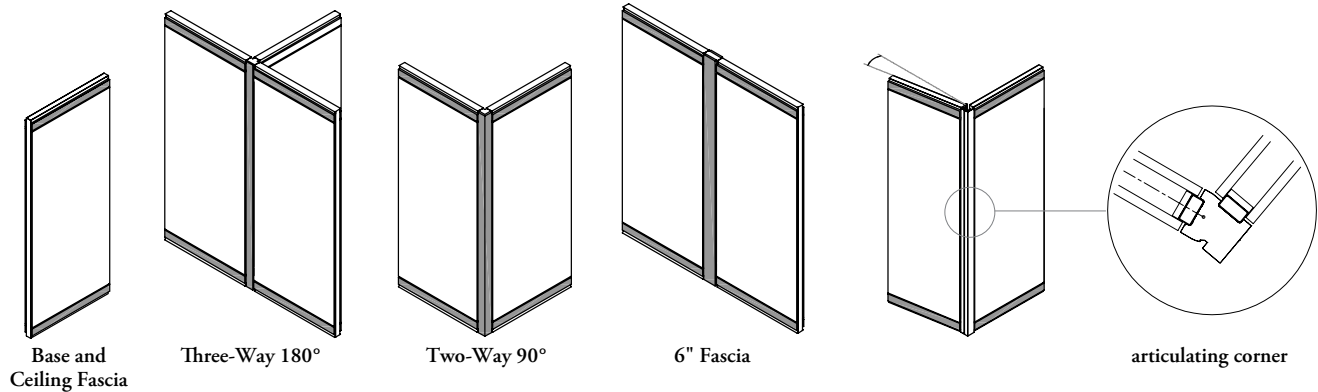
Working Wall elevation shown

fascia finishes - portrait (continued)

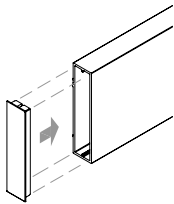
The following finishes are available on Altos.

aluminum finish fascias

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

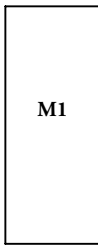
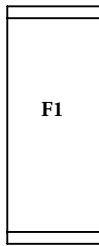
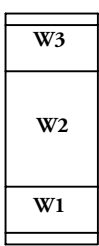
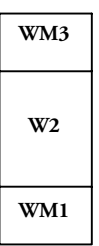


planning with the 4" fascia



- 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

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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)

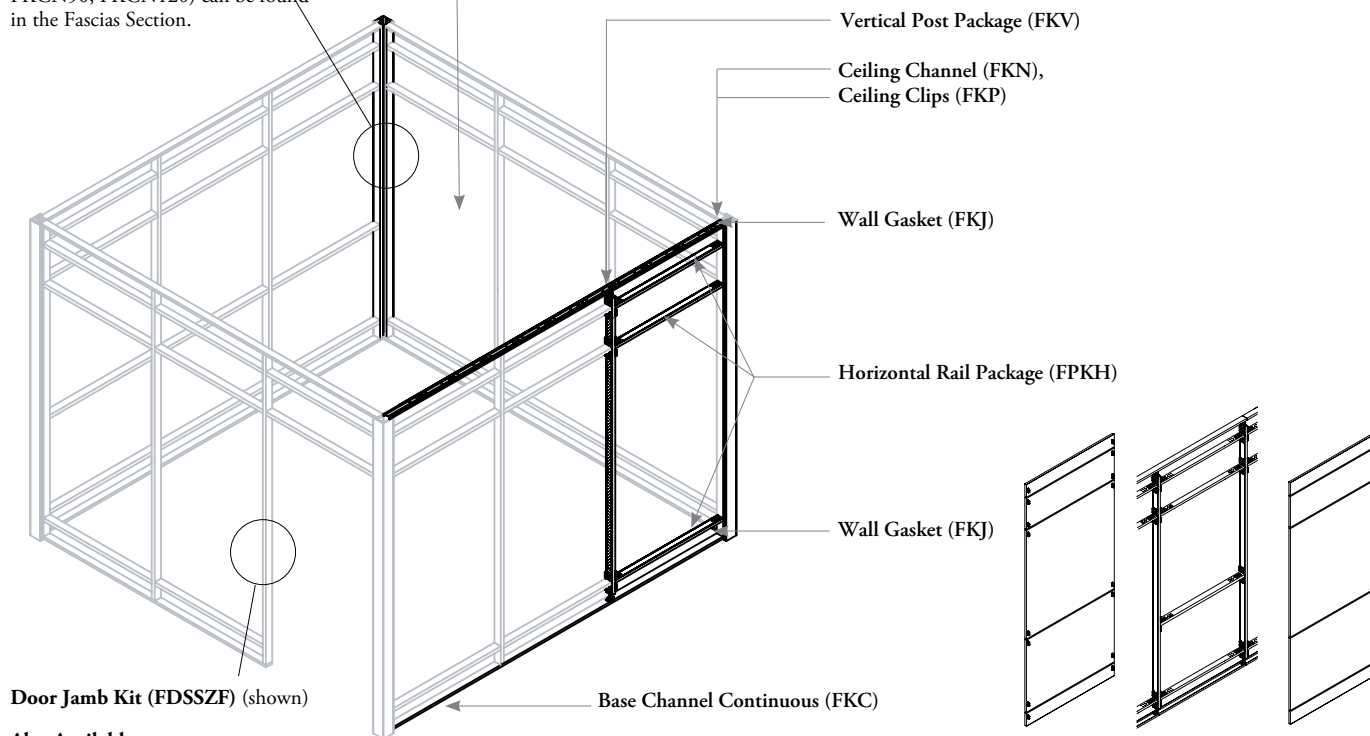
Also Available:

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

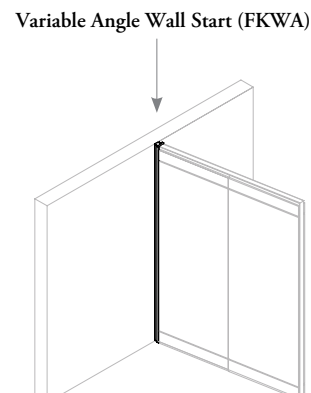
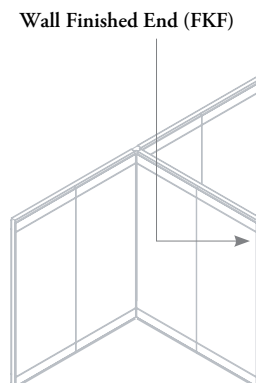
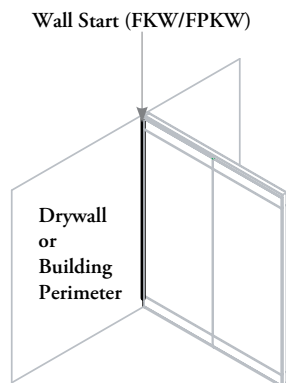
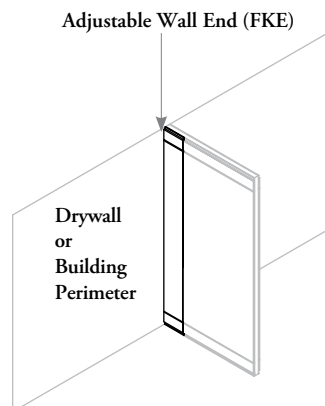
The Corner Covers for 135° (FKCN132, FKCN133, FKCN180, FKCN90, FKCN120) can be found in the Fascias Section.

Recycled Cotton Insulation (FAI) (not shown)

Recycled cotton insulation used within the Altos wall cavity to improve STC. Available as a 50' x 4' roll cut to size on site.



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



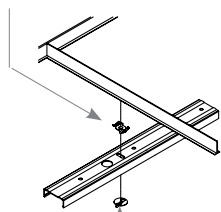
ceiling & base channel basics

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)

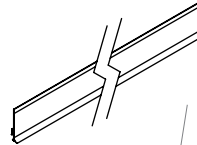
(not shown)

- 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)

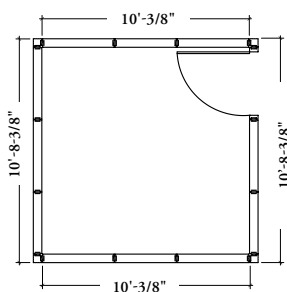
The Vertical Reveal Cover provides a trim for vertical post when Platinum or Very White gaskets are used



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

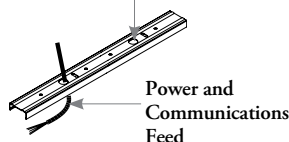
To determine the number of Ceiling Channels (FKN) required for the length of a wall run, take the total linear footage multiplied by 0.14



Ceiling Channel (FKN)

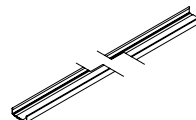
- Attaches to the ceiling and supports the Vertical Post Packages
- Is an inverted steel U-channel start and can be cut to size on site
- Holes are punched into the Ceiling Channel to facilitate power and communications feed from the ceiling into the wall
- Is available in 10'-0" lengths only
- Can be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

Ceiling Channel

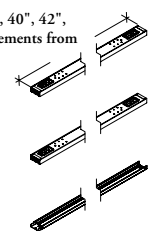


Base Channel (FKC)

- 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

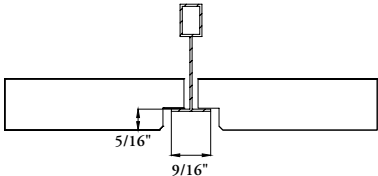
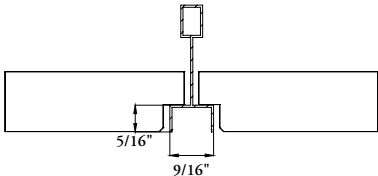
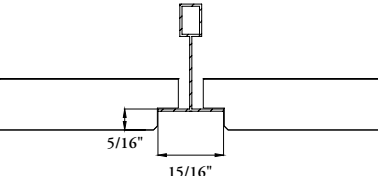
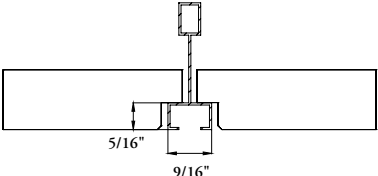
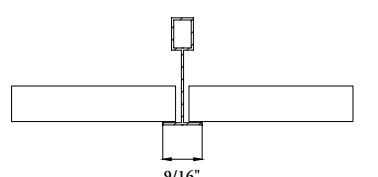
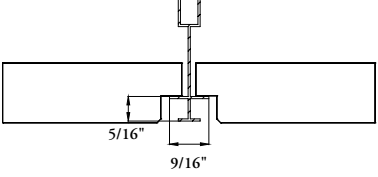
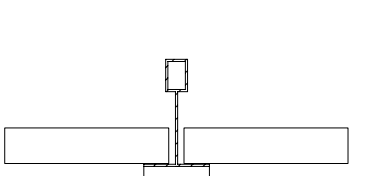
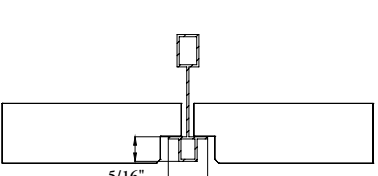


12", 18", 24", 30", 40", 42", 48" and in 1" increments from 12" - 48"



planning with ceiling clips

The following should be considered when planning with Ceiling Clips.

Ceiling Profile	Ceiling Clip	Ceiling Profile	Ceiling Clip
	FKP1 + FKP3		FKP5
	FKP2 + FKP3		FKP5
	FKP1		FKP5
	FKP2		FKP5

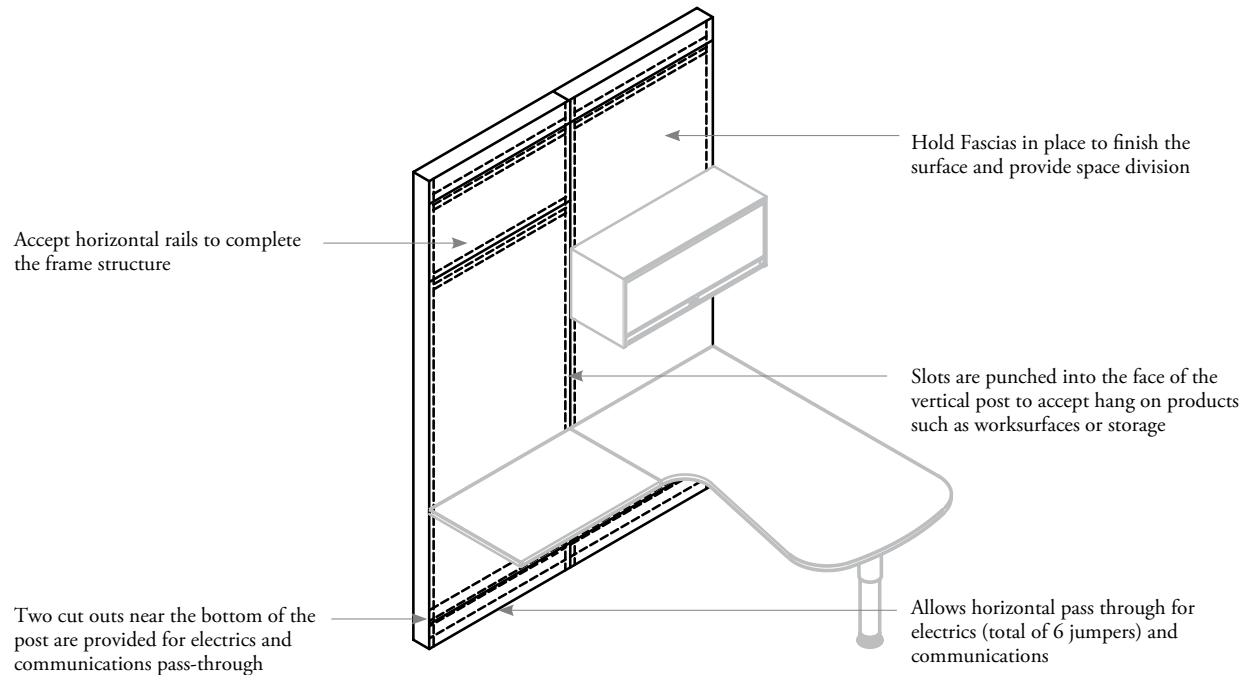
- 9/16" and 15/16" Ceiling Clips (FKP1 and FKP2) are used for flat and recessed tiles with flat grid only
- For recessed tile application, Spacer Ceiling Clips (FKP3) is required for use with FKP1 or FPK2
- 9/16" Ceiling Clip (FKP5) is used for recessed tiles with various types of box grid

application guide

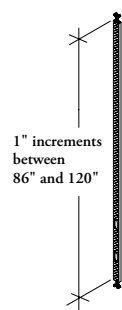
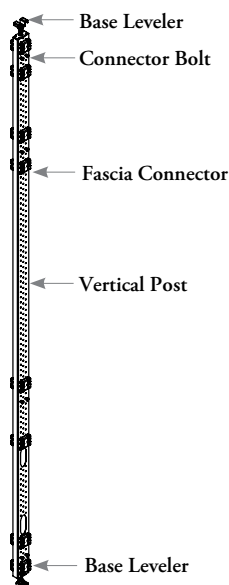
vertical post basics

The Vertical Post Package extends from finished floor to finished ceiling and is the vertical support of the Altos frame.

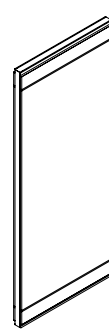
- Vertical Post Packages are universal and also fulfill the vertical post requirements for door openings
- The levelers allow for adjustment of $+1\text{-}1/2$ / -0.5 " independently at the top and $+1\text{-}1/2$ / -0.5 " independently at the bottom
- **Must** specify base and ceiling fascia height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



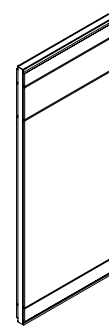
Vertical Post Package (FKV)



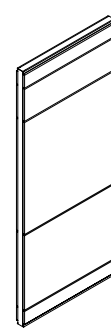
FKVG: No fascia clips



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.

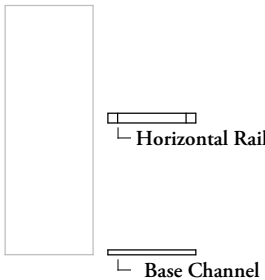
*Vertical Post images shown with 6" base and ceiling fascia clips

planning with horizontal rails

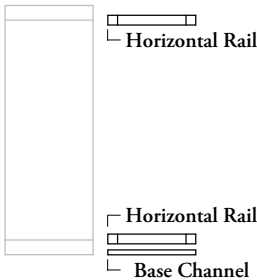
Horizontal Rail Packages include the appropriate number of horizontal rails and one Base Channel – Modular. Each Horizontal Rail Package corresponds to the wall elevation it will support. The following chart demonstrates the components included.

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

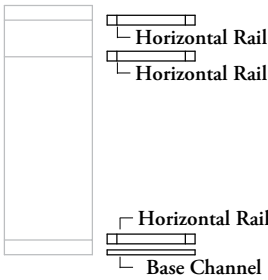
Monolithic Fascia Package (FPKHM)



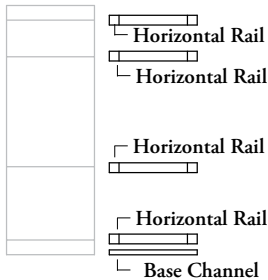
Full Fascia Package (FPKHF)



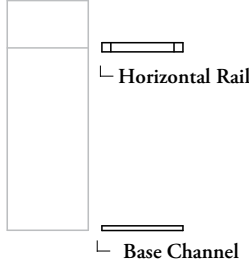
Segmented Fascia Package (FPKHS)



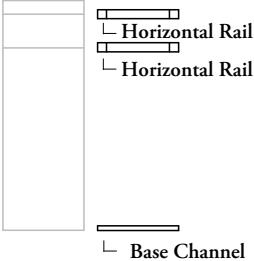
Working Wall Fascia Package (FPKHW)



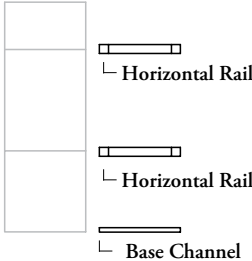
Monolithic Fascia Package (FPKHM)



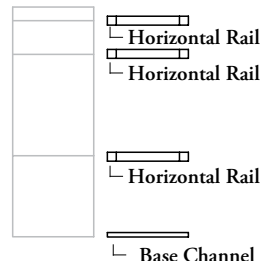
Full Fascia Package (FPKHF)



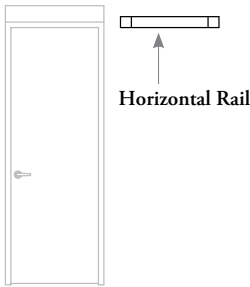
Full Fascia Package (FPKHF)



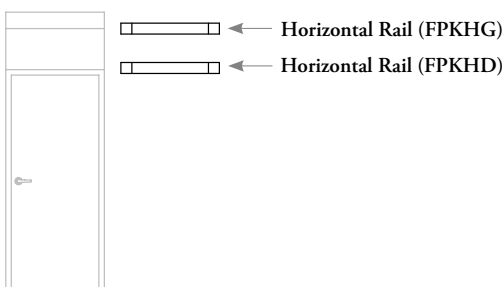
Segmented Wall Fascia Package (FPKHS)



Full-Height Door (FPKHD)

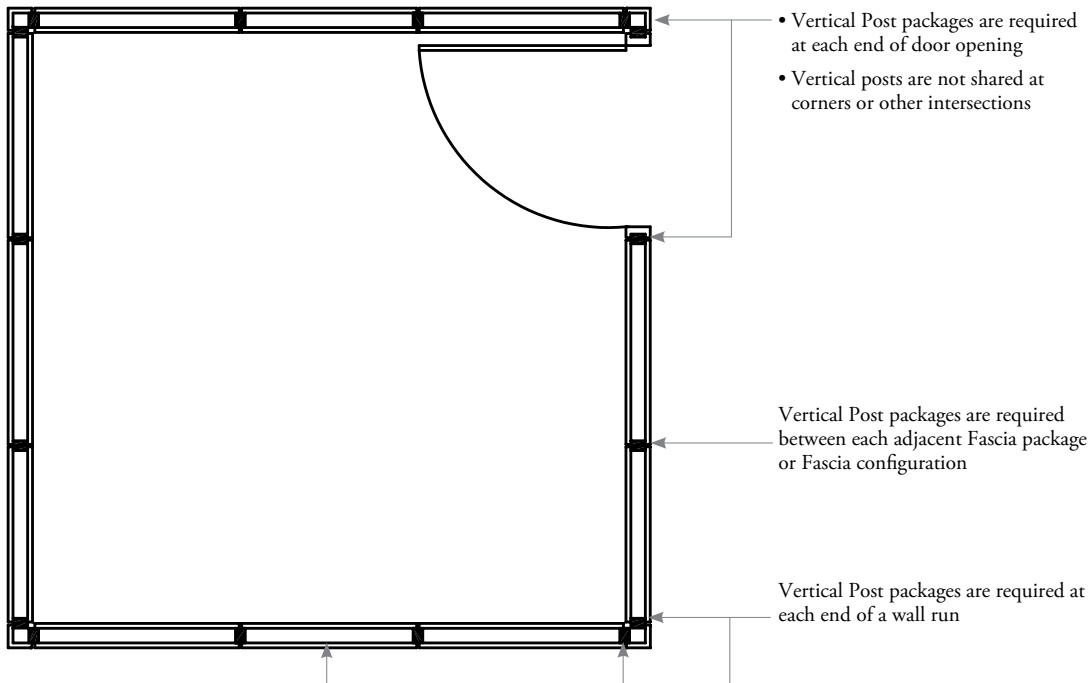


Segmented-Height Door x 2 (FPKHG) / (FPKHD)

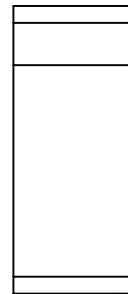


planning with vertical post

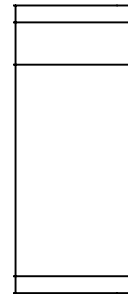
There are three steps in specifying Vertical Post Packages; determining the number and placement of Vertical Post Packages required, selecting appropriate Vertical Post Package type and specifying Vertical Post Package height



- 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

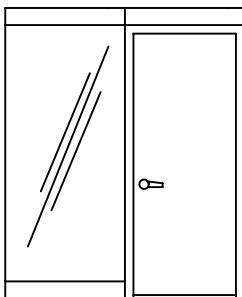


Inner Elevation Segmented Wall require Segmented Vertical Post Packages (FKVS)

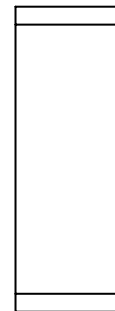
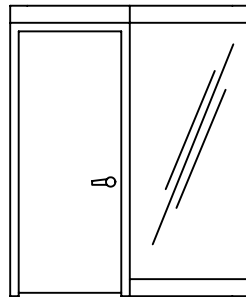


Outer Elevation of Wall Module Full Wall requires Full Vertical Post Package (FKVS), therefore, Vertical Post Package (FKVS) should be specified because all post requirements are the same

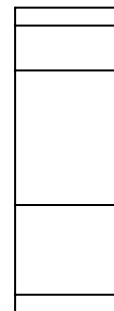
Full-Height Door requires Full Vertical Post Package (FKVF)



- 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)



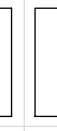
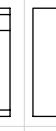
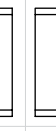
Outer Elevation of Wall Module Full Wall requires Full Vertical Post Package (FKVF)



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.

		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
													
Adjacent Wall Modules: Inner and Outer	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:

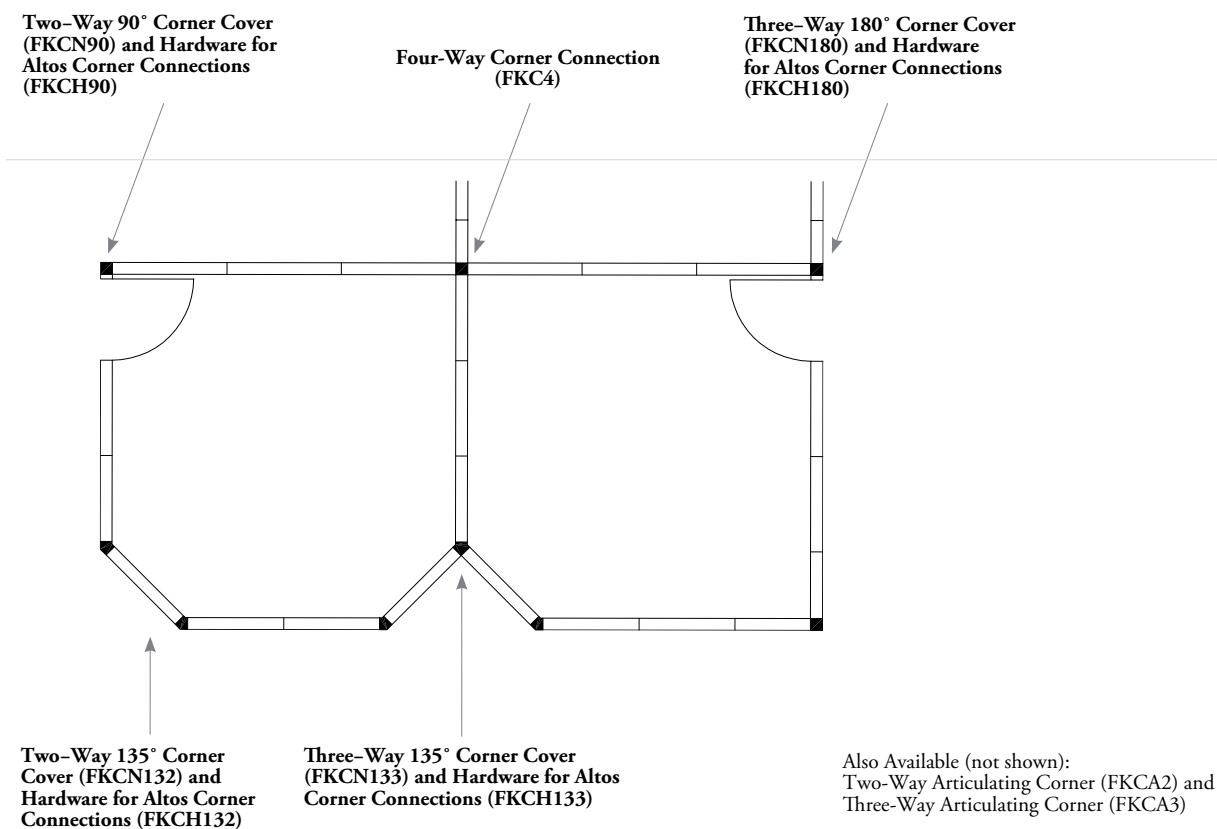
Height Code	Height Range	Height Code	Height Range
102	86"–102"	108	103"–108"
114	109"–114"	120	115"–120"

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

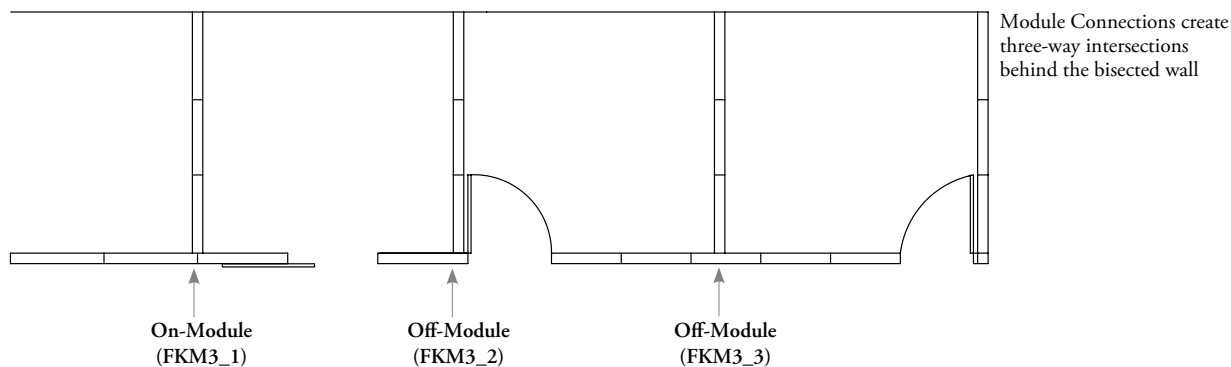
corner & module connection overview

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



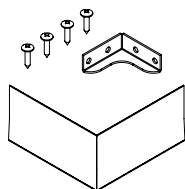
modular connections



90° corner connection basics

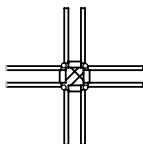
Walls can be connected at right angles in two-way, three-way and four-way configurations.

- 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



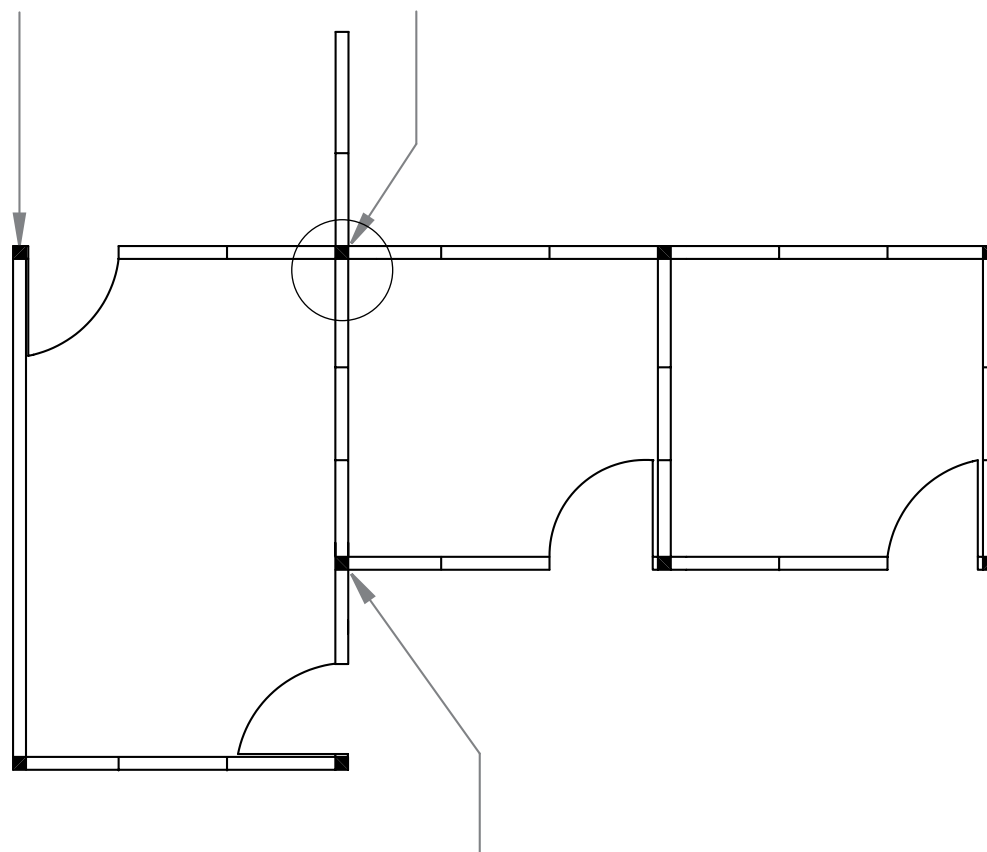
Hardware for Altos Corner Connections (FKCH90)

Provides the framework to connect two walls at 90°.



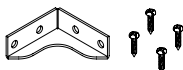
Four-Way Connection 90° Connection (FKC4)

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



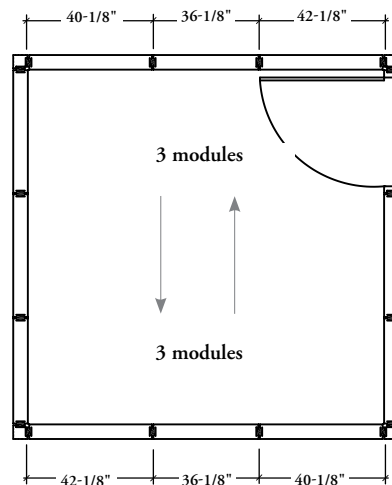
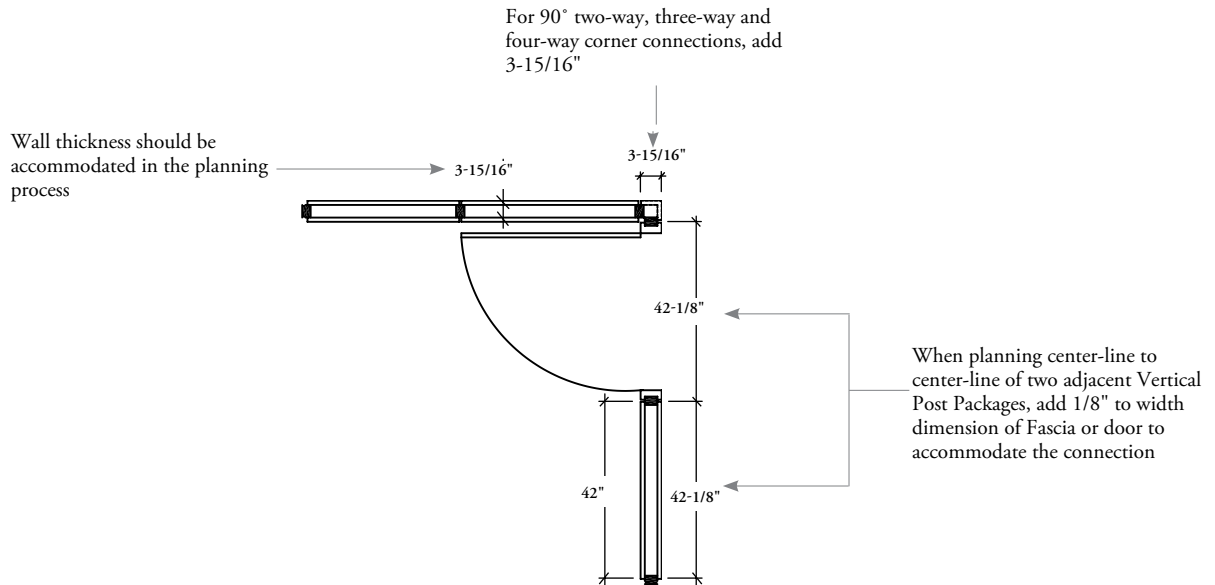
Hardware for Altos Corner Connections (FKCH180)

Provides the framework to connect three walls at 180°.



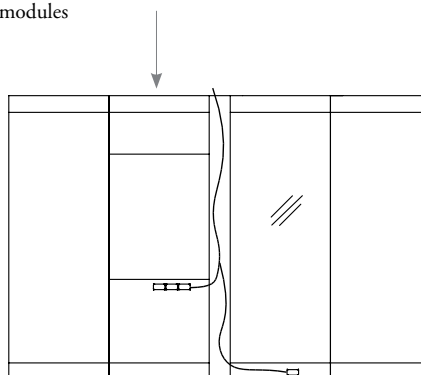
planning with 90° corner connections

The following should be taken into consideration when planning with 90° connections.



- When two walls are opposite one another with a wall run between them, the number of wall modules and connections on the opposite walls must be the same
- This is to maintain the same dimensions and creep in both parallel wall lengths

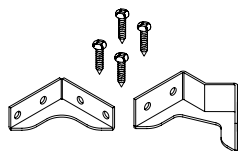
Corner connections enclose electrics and communications lines traveling from wall to wall through corners or from the ceiling down to glass modules



135° corner cover basics

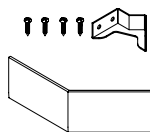
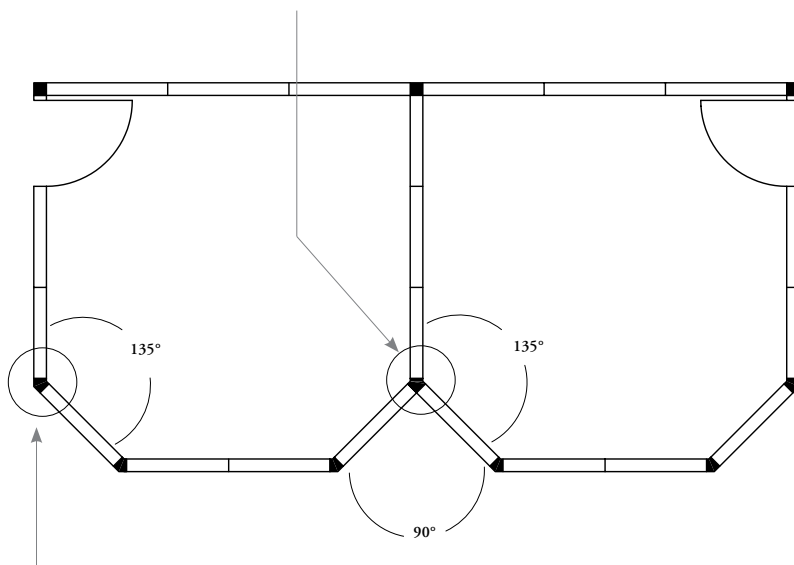
Walls can be connected at 135° in two-way and three-way configurations.

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



**Three-Way 135° Corner Cover
(FKCN133)**

Provides the framework to connect to three walls at 135°.



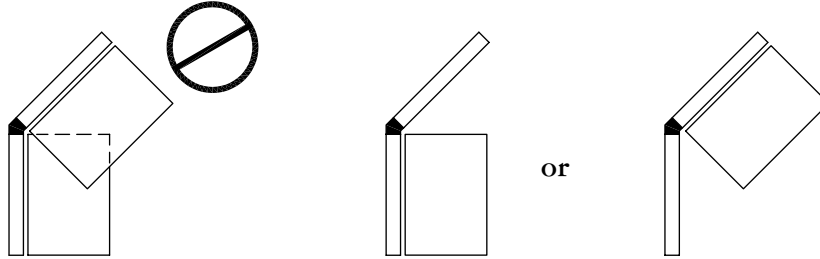
**Two-Way 135° Corner Cover
(FKCN132)**

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

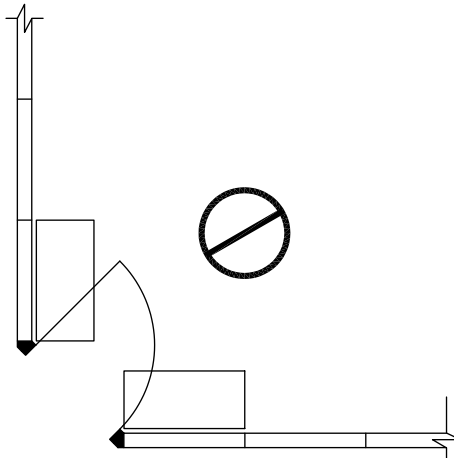
planning with 135° corner covers

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°.



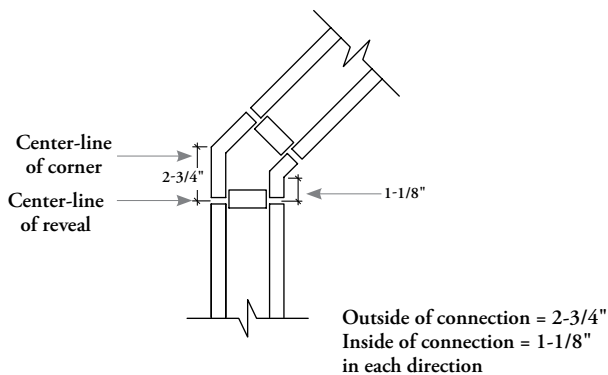
Placement of doors at a 45° does not allow for the suspension of worksurfaces and mounted storage on adjacent wall modules.



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.

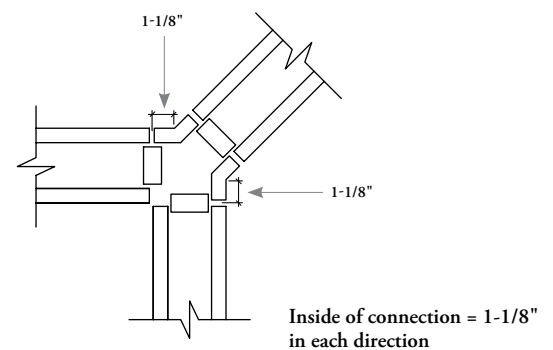
Two-Way 135° Corner Cover (FKCN132) and Hardware for Altos Corner Connections (FKCH132)

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



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

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



All dimensions are taken from center-line of connection (or point where connection changes direction) to center-line of adjacent reveal between wall modules. Using the 135° connection may require non-standard wall module widths.

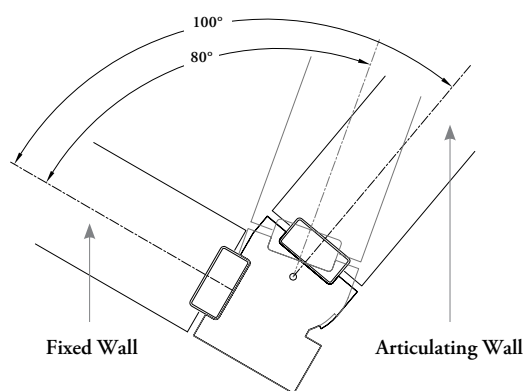
articulating corner basics

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 $+10^{\circ}$
- Finished in Clear Anodized or Painted

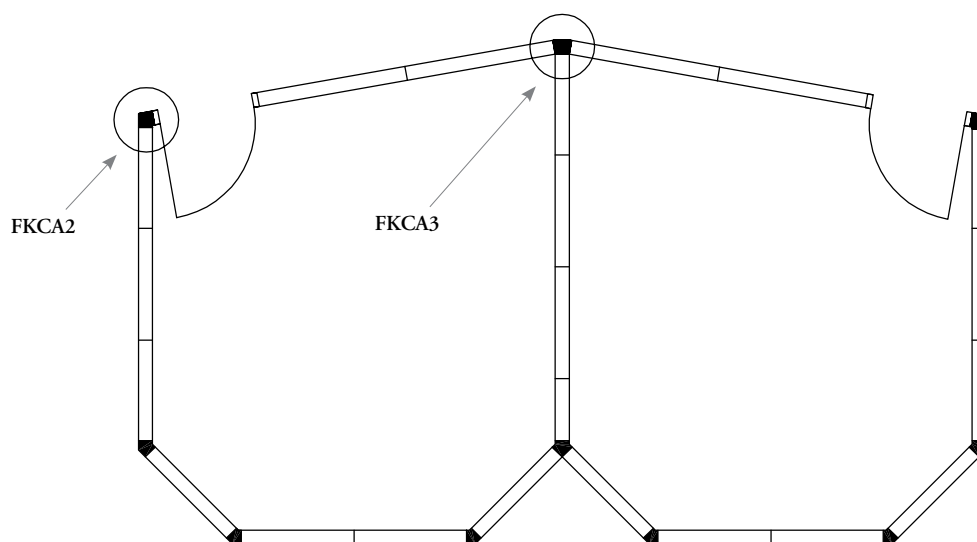
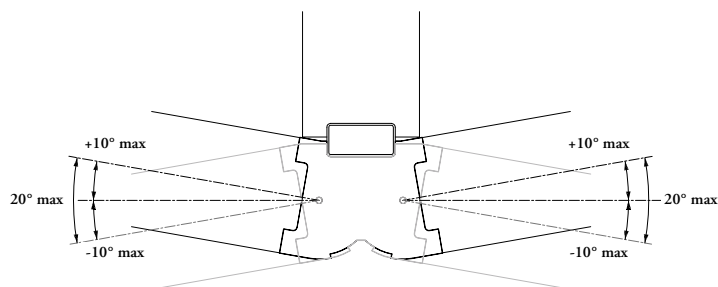
Articulating Two-Way Corner (FKCA2)

- 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)

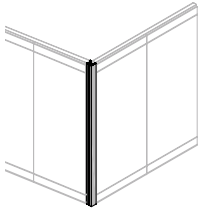
- Connects two Altos walls between 80° and 100° with a third fixed Altos wall
- Both sides of corner can be angled independently, each side allows for a maximum 20° of rotation ($\pm 10^{\circ}$)
- Provides both the connecting hardware and cover



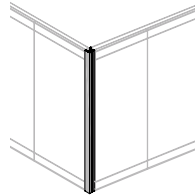
planning with articulating corners

The following should be considered when planning with Two-Way and Three-Way Articulating Corners.

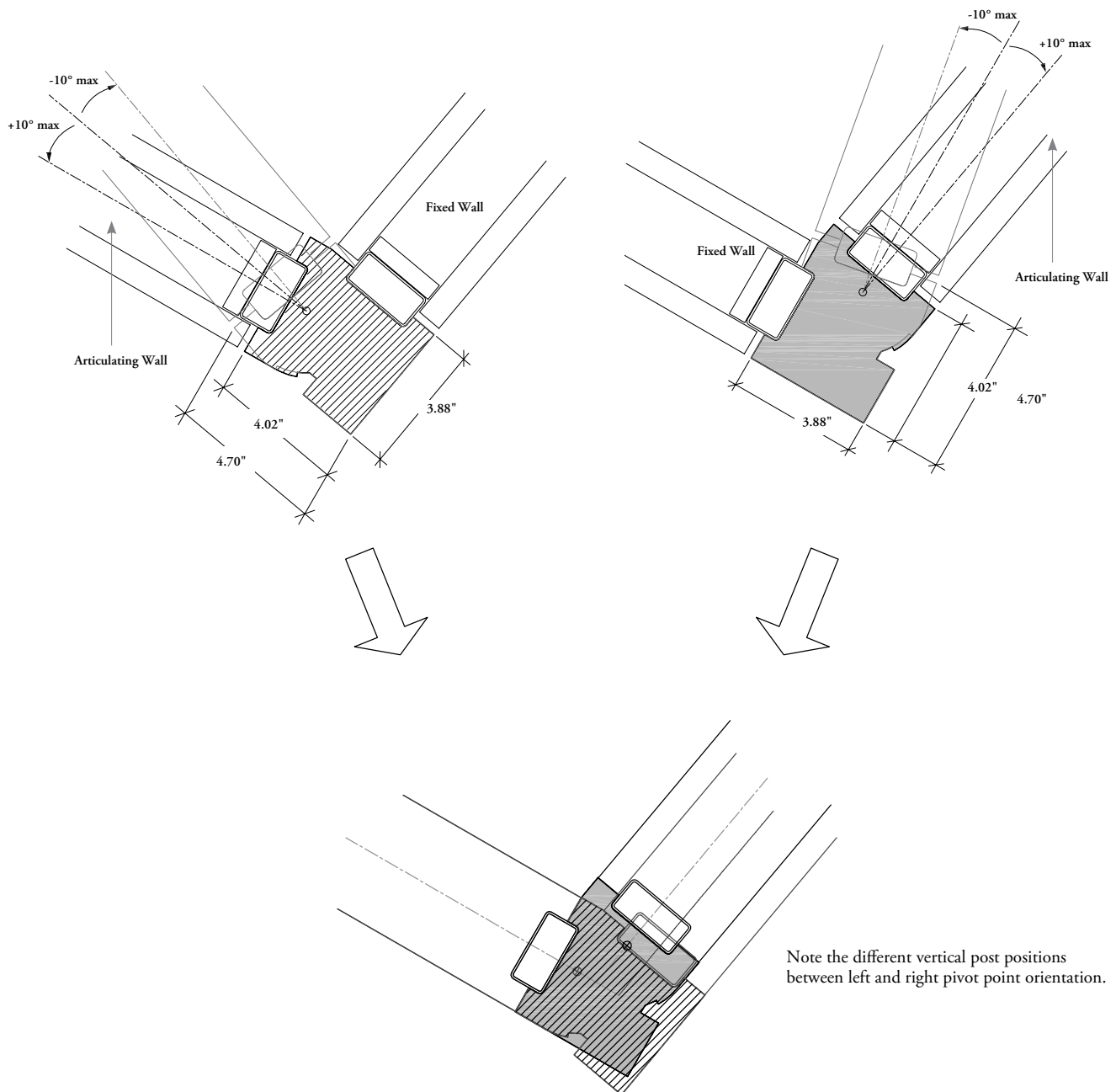
The Articulating Two-Way Corner is available with two pivot point orientations to indicate which wall is the articulating one.



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



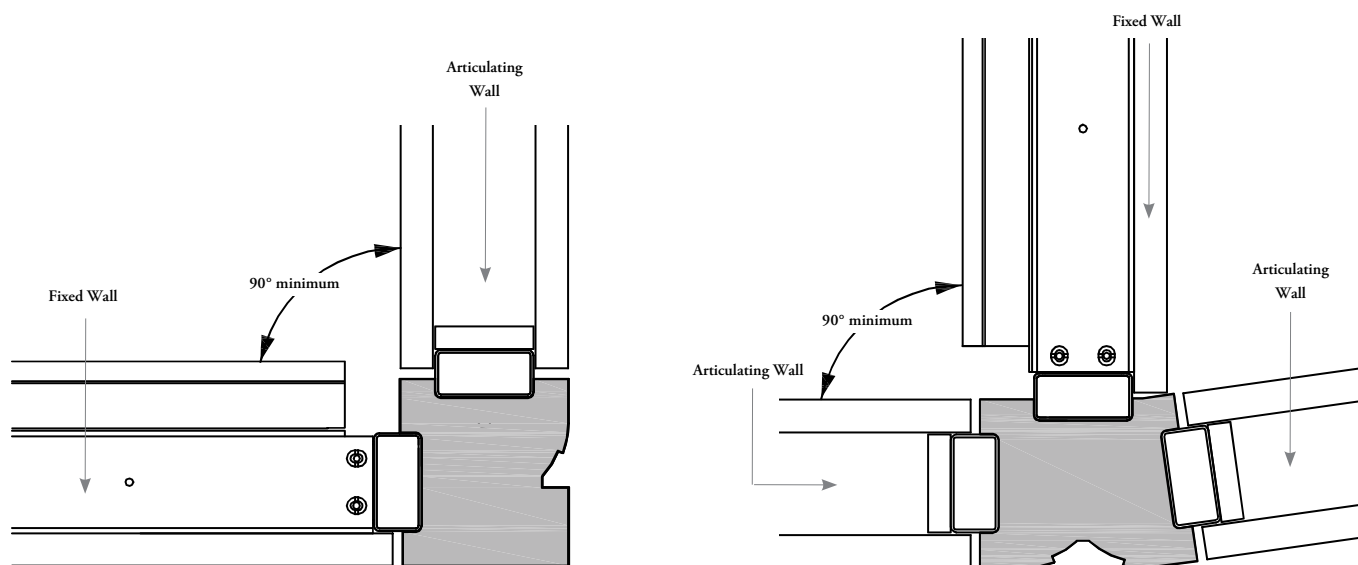
Articulating Two-Way Corner shown with **right** pivot point orientation:



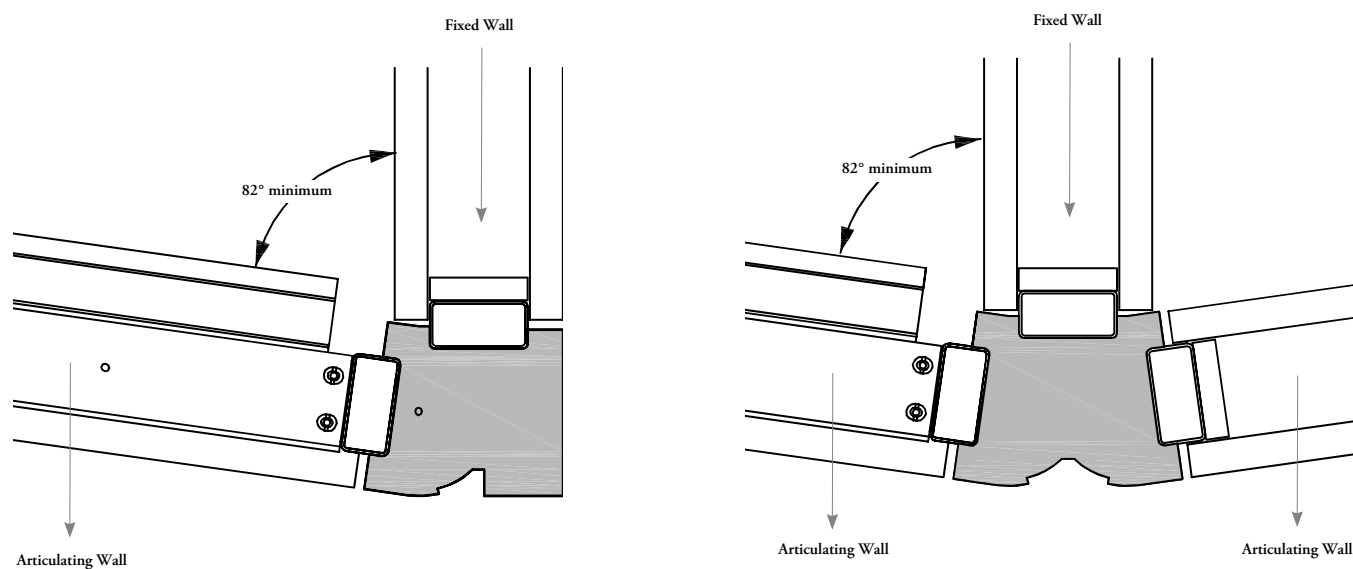
planning with articulating corners (continued)

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°.



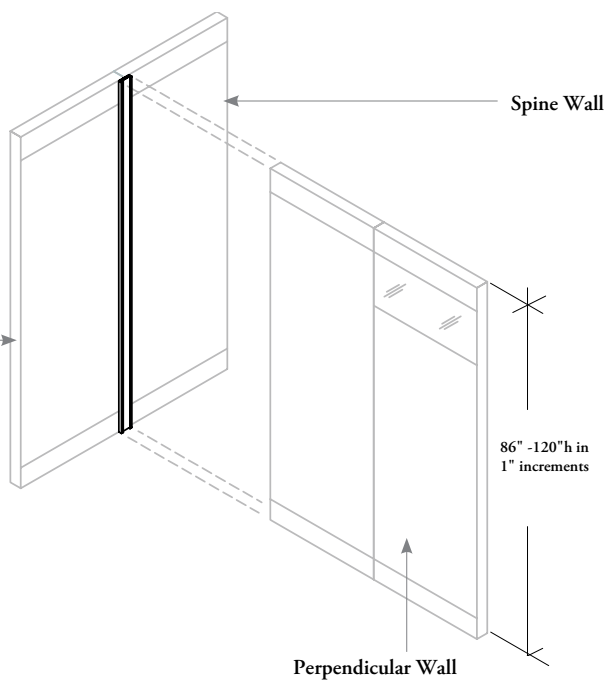
Similarly, when a Sliding door starts at an articulating wall, the inner angle is restricted to a minimum of 82°.



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

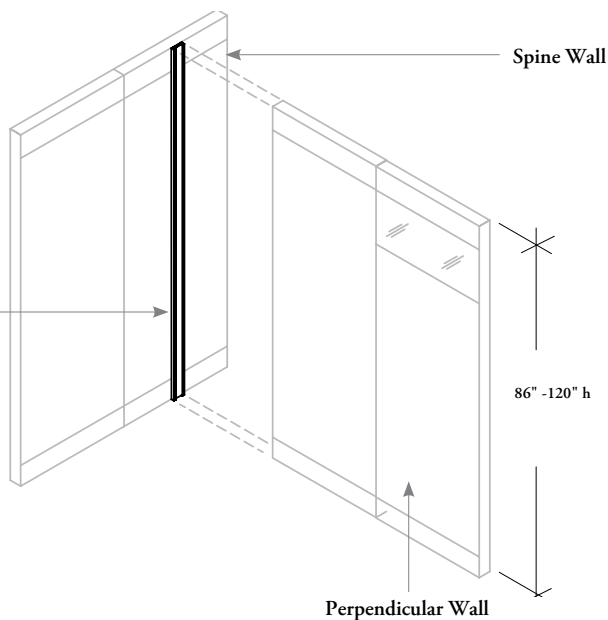
Three-Way 180° Module Connection (FKM3_1) (On-Module)

- Centers the connection at the vertical reveal between Fascias
- May **not** be attached at any other location



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

- Creates a connection anywhere between reveals of Fascias
- May **not** be used at the vertical reveal
- Can be used at Solid and Double glass Fascias only
- Module Connection adds 1-1/4" Creep – this added dimension comes from the connection interface

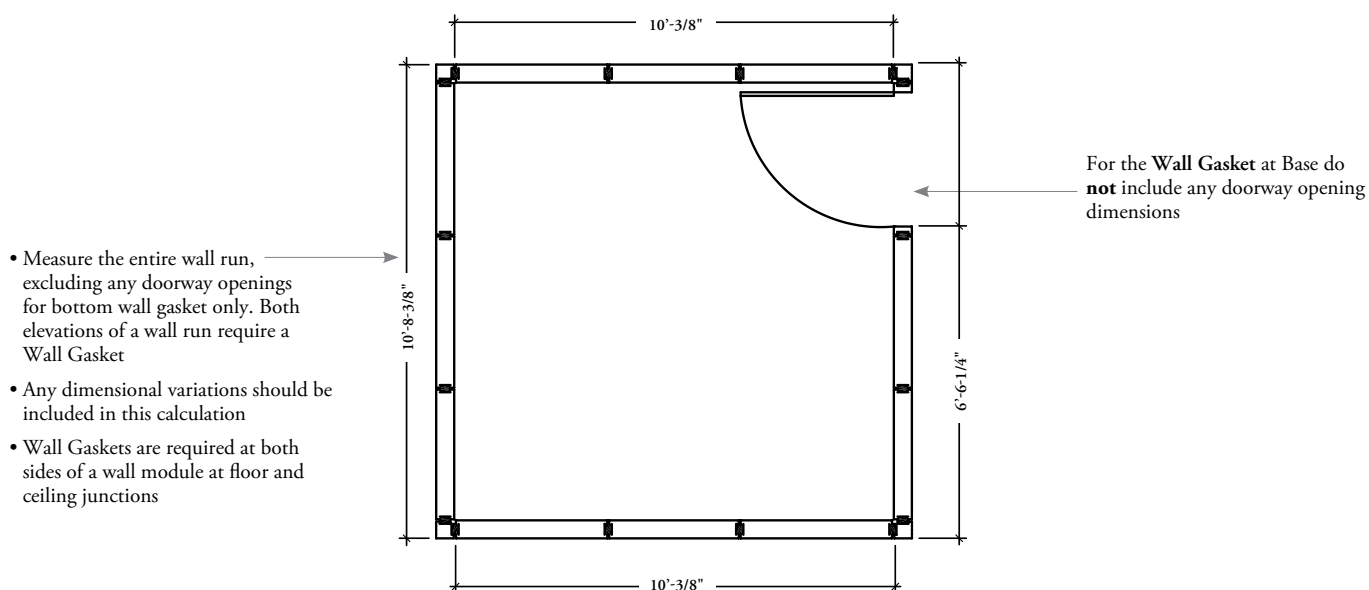


wall gasket basics

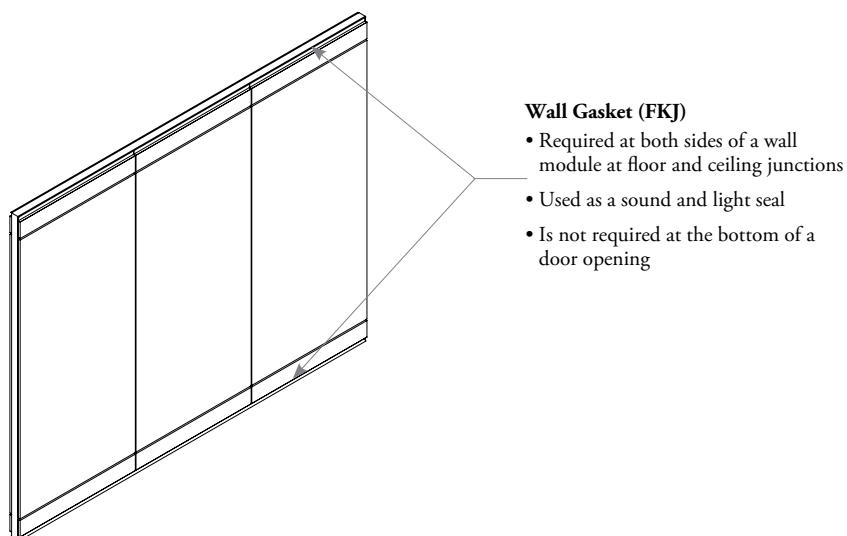
The Wall Gasket (FKJ) provides a light and sound seal between the bottom of the wall system and the finished floor and the top of the wall system and the ceiling.

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

determining wall gasket requirements



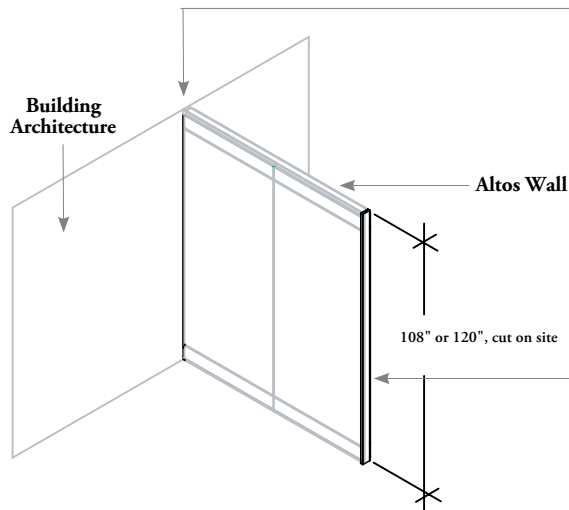
The formula to determine the number of Wall Gaskets (FKJ) required for the length of a wall run is the total linear footage of this product multiplied by 0.40 equals total number of Wall gaskets required.



application guide

wall start & end basics

Altos offers three types of wall ends for finishing Altos runs; Wall Start, Wall End and Adjustable Wall End.

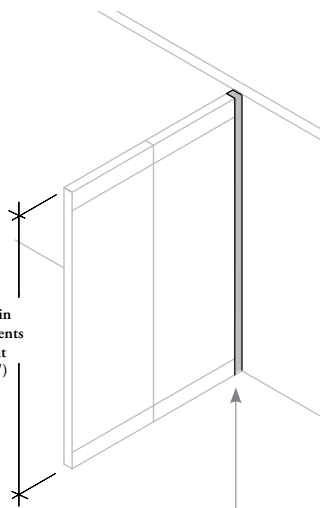


Wall Start (FKW) and Adjustable Wall Start (FPKW)

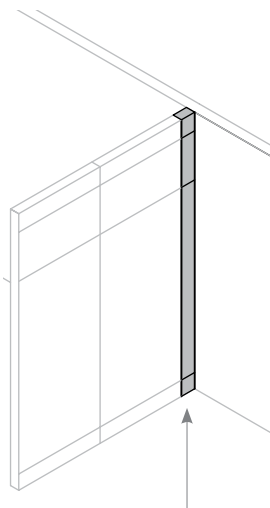
- Begins or ends a wall run at the building wall, column or mullion and provides a clean connection between the building and the Altos wall
- Can accommodate spacing due to untrue or unlevel wall surfaces
 - Wall Start: $+1/4"$ to $-1/4"$
 - Adjustable Wall Start: $+3/8"$ to $-3/8"$
- Adds to the wall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

Wall Finished End (FKF)

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



Adjustable Wall End (FKEG)



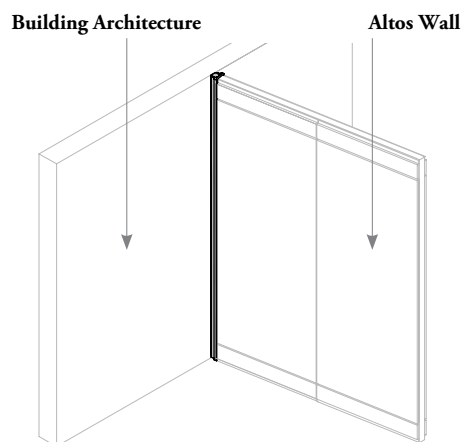
Adjustable Wall End (FKES)

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

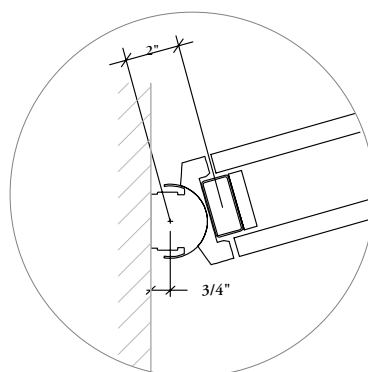
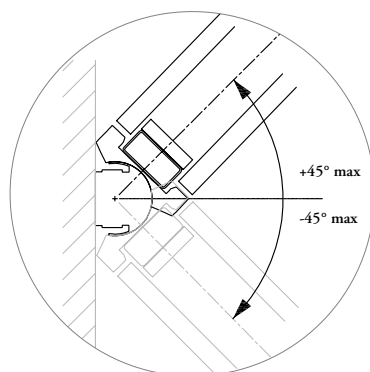
86"-120" in
1" increments
(full-height
86" - 108")
only

wall start & end basics (continued)

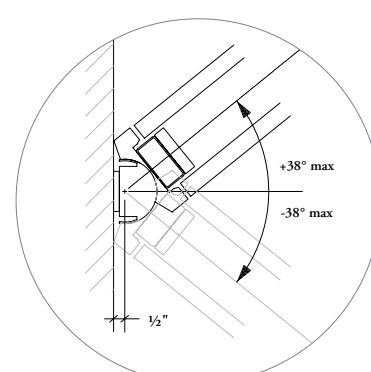


Variable Angle Wall Start (FKWA)

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



Nominal Adjustment



Minimum Adjustment

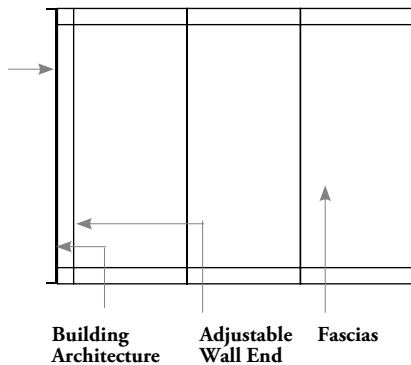
planning with wall starts & ends

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.

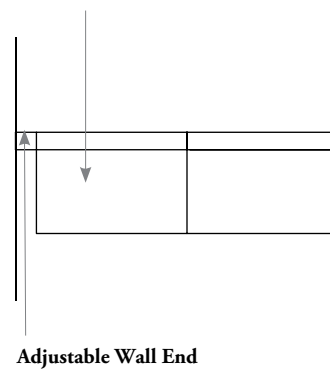
The Adjustable Wall End and Wall Start attach to building architecture excluding glass and extends floor to ceiling

Cannot be used between wall modules or corner connections



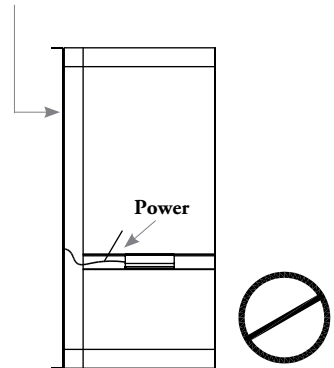
Worksurface Mounted on Module

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

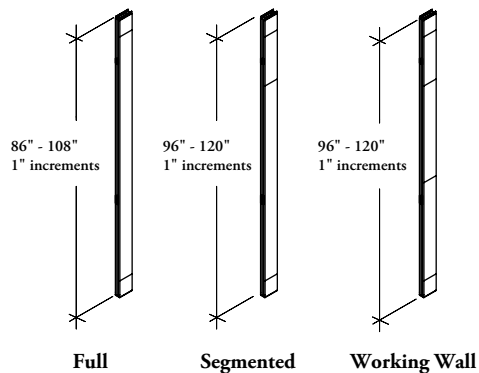


Adjustable Wall End

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



Full Height – Ceiling Height



Adjustable Wall End (FKEG)

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

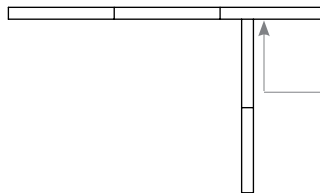
Adjustable Wall End (FKEF), (FKES), (FKEW)

- Offers an adjustment range of +/- 3" and accommodates width variations of 3" to 9" in anodized aluminum
- To maintain consistent horizontal reveal lines, the 6" wide Adjustable Wall End can be specified in Full, Segmented and Working Wall elevations
- In the 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.

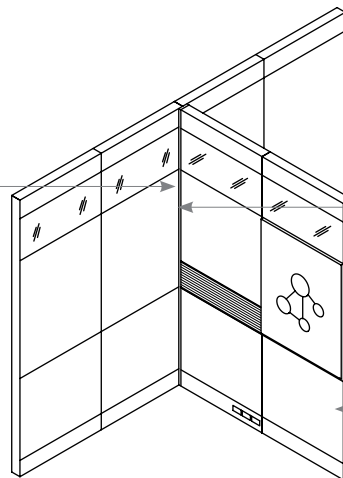


Spine Wall

- 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, Whiteboard, Power Communications Module or any Power/Communication cut outs



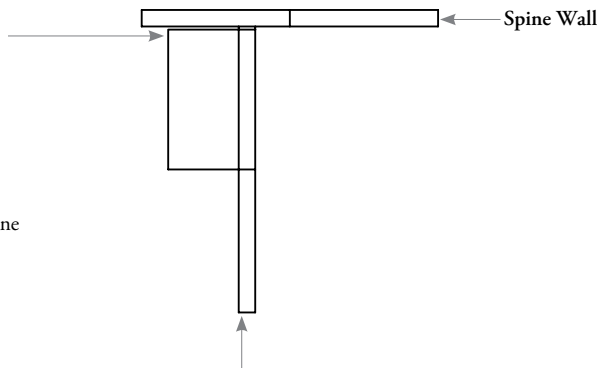
Attaching Module Connections to Double Glassed Fascia modules is not recommended as the connector will be visible

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



Perpendicular Wall

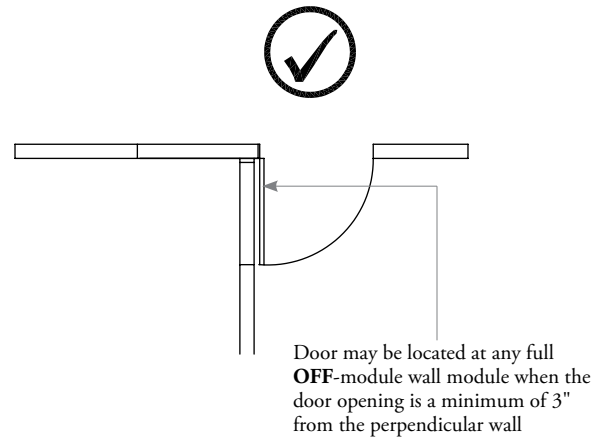
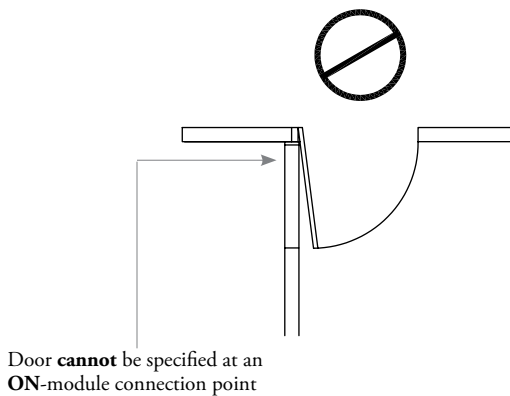
For optimum planning, hang on components should be suspended from the perpendicular wall

planning with module connections (continued)

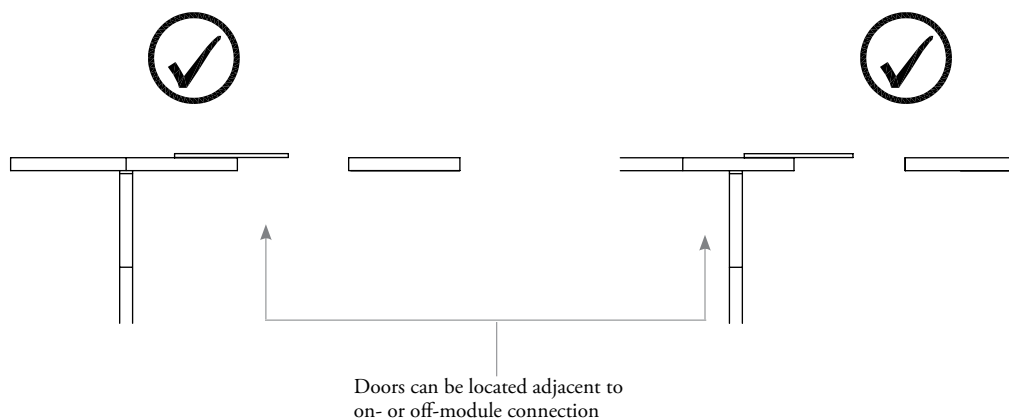
Door type and location must be taken into consideration when planning with the Three-Way 180° Module Connection. The following chart shows where each door type can be used on the bisected spine wall.

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

Single Hinged Doors
Double Hinged Doors
Single Pivot Doors

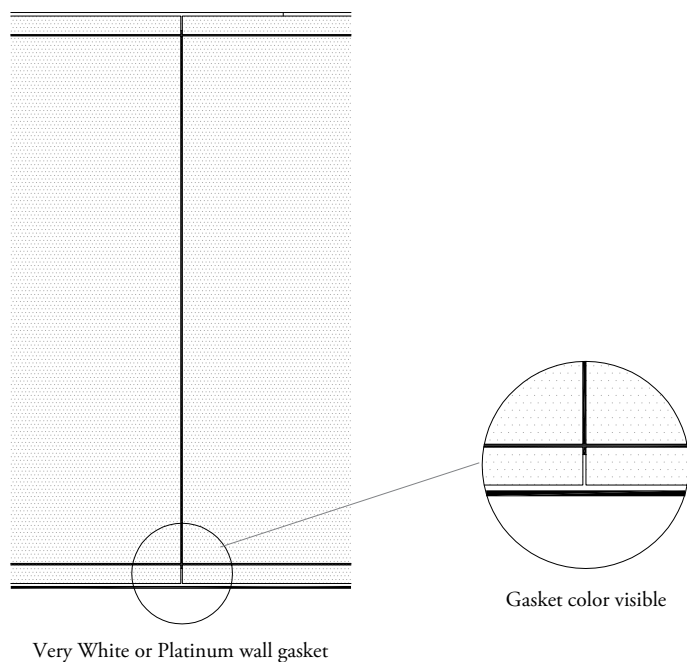


Single Sliding Doors

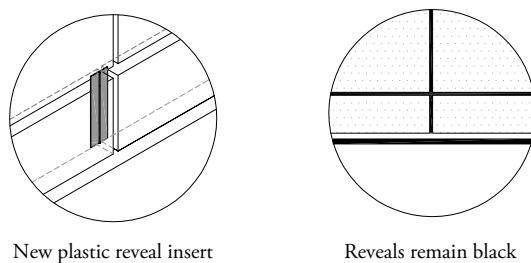


fascia reveal inserts

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



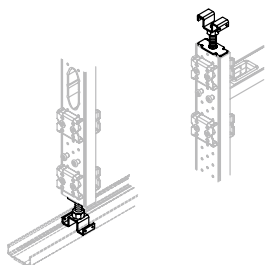
Vertical seams are Black and visible unless finished with a reveal insert.



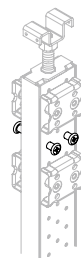
The Vertical Reveal Cover Kit is black to match reveal lines.

frame kit component basics

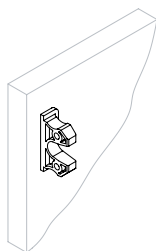
Altos frame kits come with all necessary connection components however, certain components can also be purchased individually if required. See Price & Product Guide for details of these products.



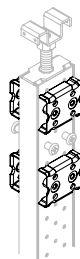
Base Levelers (FBB)



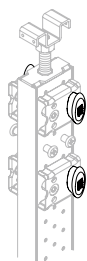
Horizontal Shoulder Screw (FBN)



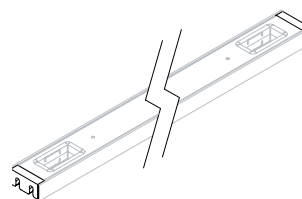
Fascia Connector – Male (FBFM)



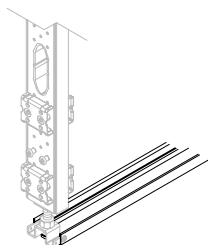
Fascia Connector – Female (FBFF)



Fascia Lock (FKL)



Horizontal End Cap (FBE)



Base Channel - Modular (FPKB)

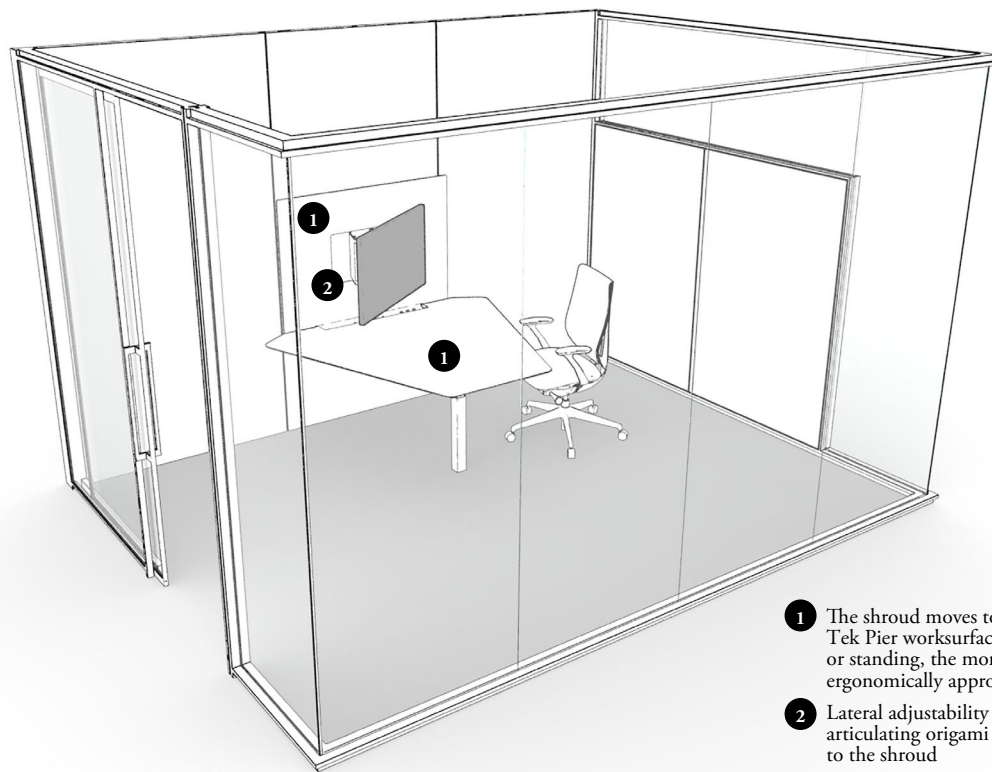
portrait – tek pier

portrait – tek pier

WHAT IS TEK PIER	98
FRAME ASSEMBLY BASICS	100
PLANNING WITH FRAME ASSEMBLY	101
TEK PIER FASCIA BASICS	102
PLANNING WITH TEK PIER FASCIAS	103
TEK PIER ASSEMBLY BASICS	105
PLANNING WITH TEK PIER ASSEMBLY	106
TEK PIER WORKSURFACE BASICS	111
PLANNING WITH TEK PIER WORKSURFACES	112

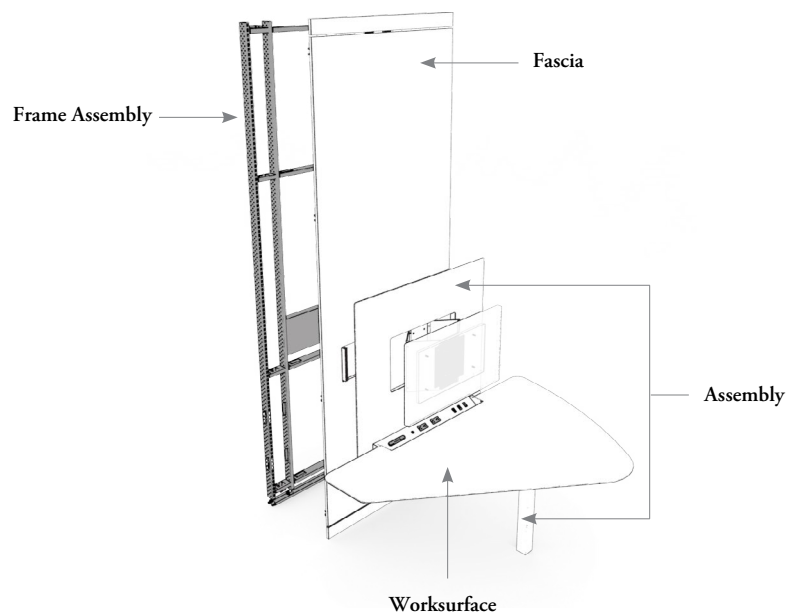
what is tek pier

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



what is tek pier (continued)

Two sizes of the Tek Pier assembly are available:

- Tek Pier Assembly 1
- Tek Pier Assembly 2

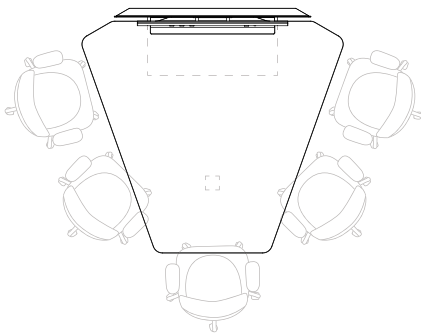
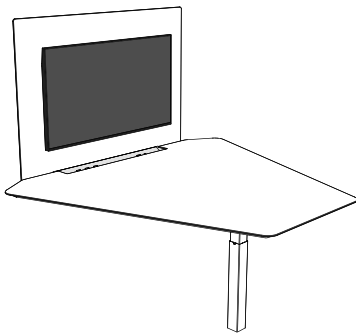
Three worksurface shapes are available:

- 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

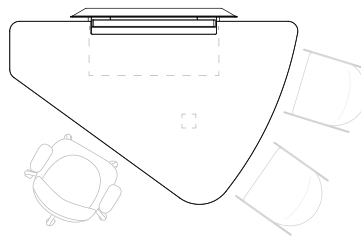
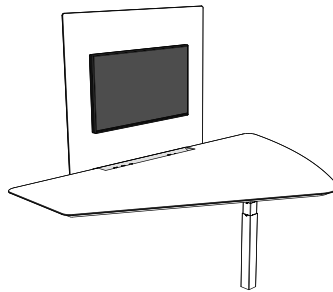
Spade Top



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

tek pier assembly 2

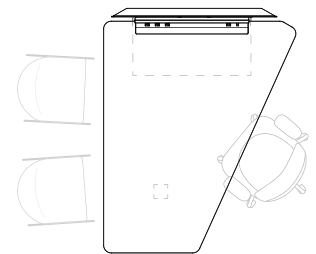
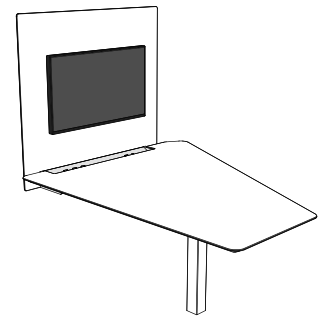
Pie Top



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

tek pier assembly 2

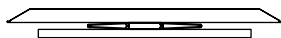
Wedge Top



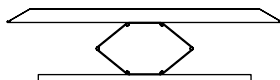
- Up to three collaborators, one primary and two guests
- Left and right handed versions
- Sit Stand Range 24" - 43"
- Ideal for small enclaves and private offices

origami arm

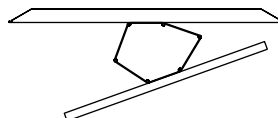
The origami arm has six pivot points allowing the user to adjust the monitor in several locations.



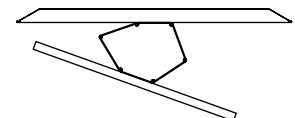
Flat on wall



Extended off wall



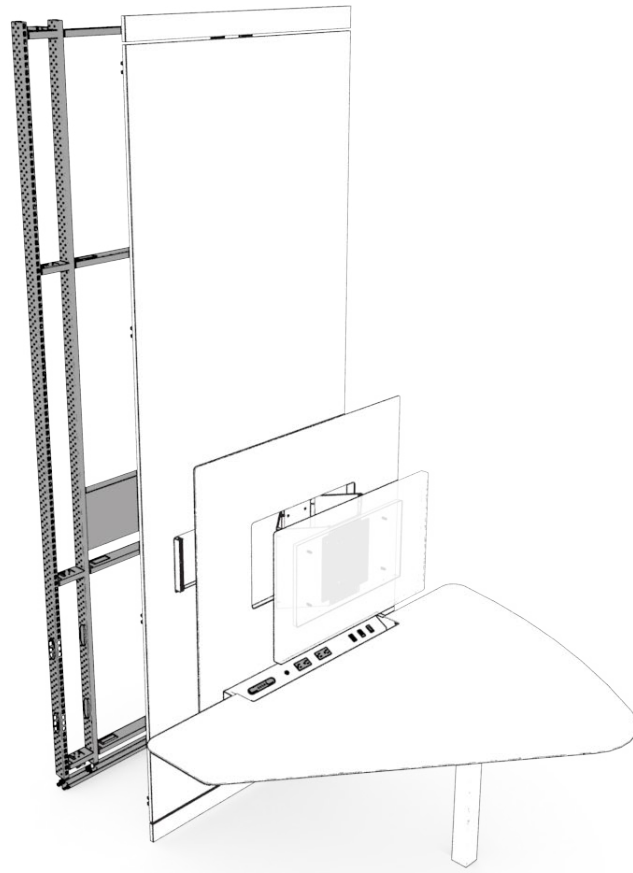
Angled right



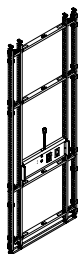
Angled left

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)

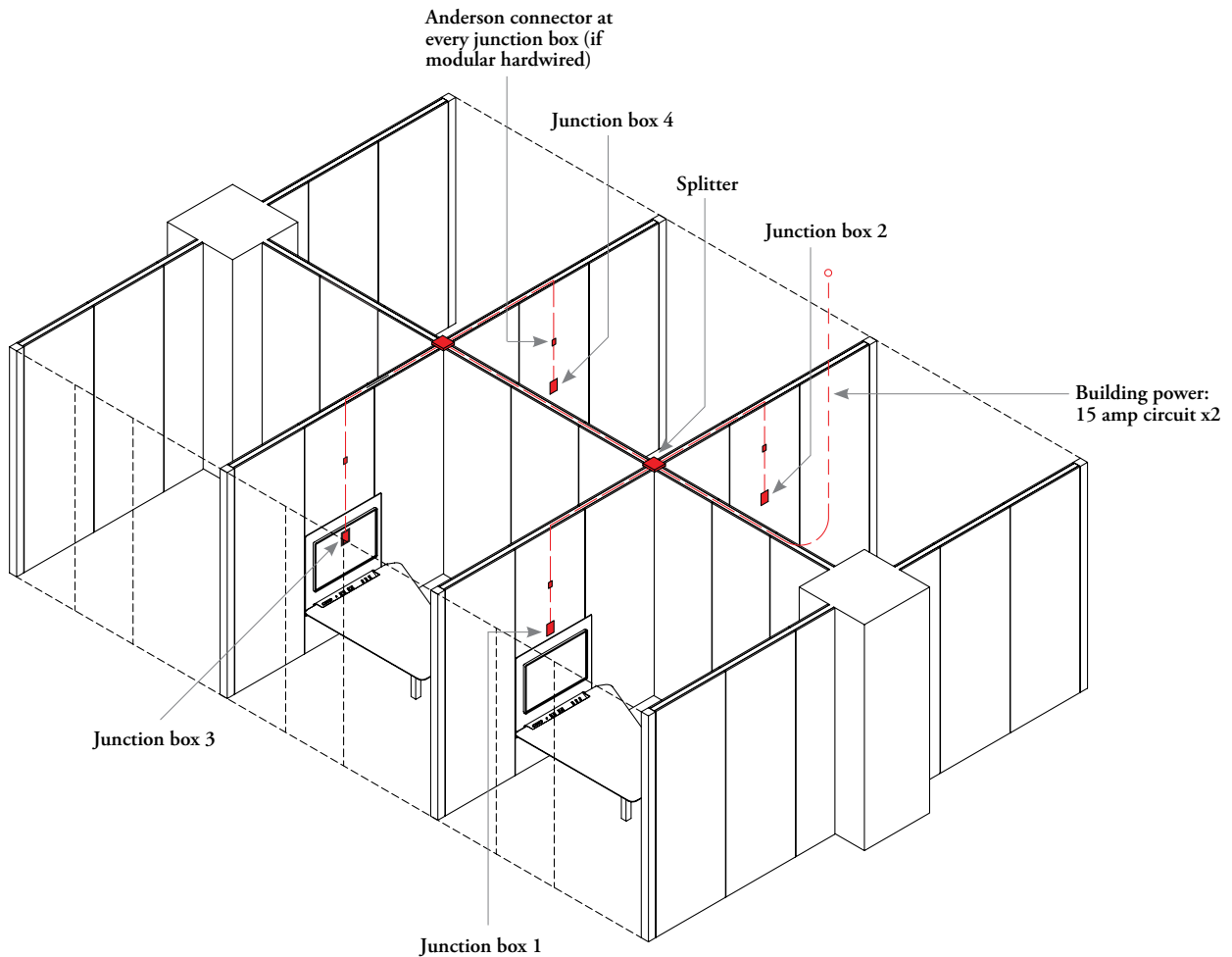
- Available heights include 94"-120" in 1" increments
- Available widths are 42" and 48"
- Available single sided or double sided
- Wiring system is 4 Wire (Modular and Chicago) hardwire
- Available with Circuit Type 1 and Circuit Type 2 for Modular only
- Base and ceiling fascia heights are 4" and 6" 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

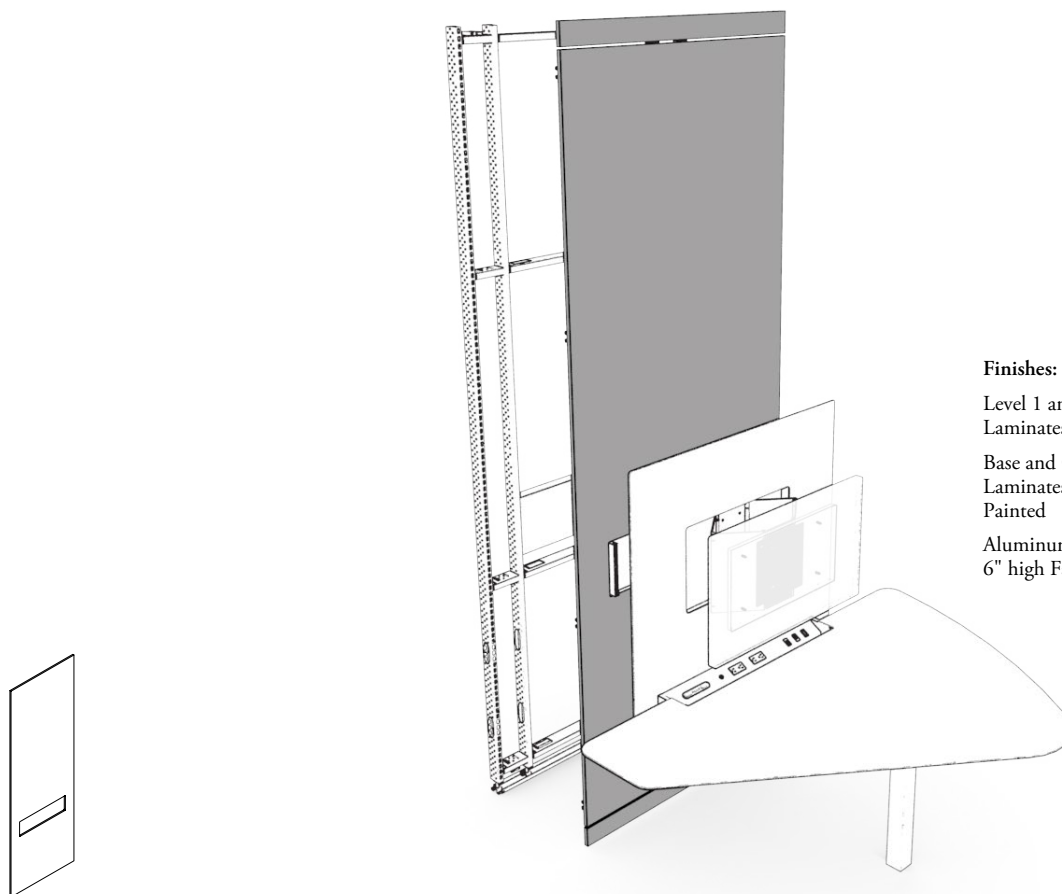
- A Single 15 Amp Circuit can power up to two Tek Piers of any standard configuration
- Wiring system for junction box is 4 wire (modular hardwired and Chicago) hardware
- Conduit length for junction box is restricted to 12' long for modular hardwired and 20' long for Chicago electrics
- Tek Pier modular system is used with Altos modular electrics system with 4-wire wiring system



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, 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:

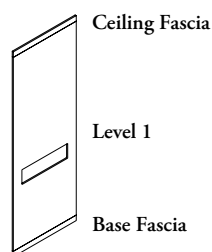
Level 1 and 2 Fascia finishes include Fascia Laminates and Flintwood

Base and Ceiling Fascia finishes include Fascia Laminates, Flintwood, Clear Anodized and Painted

Aluminum finish selection is not available on 6" high Fascias

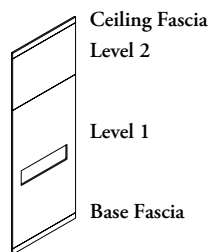
Monolithic Fascia (FFMTKP)

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



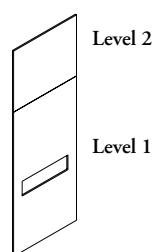
Full Fascia Kit (FFFTKP)

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)

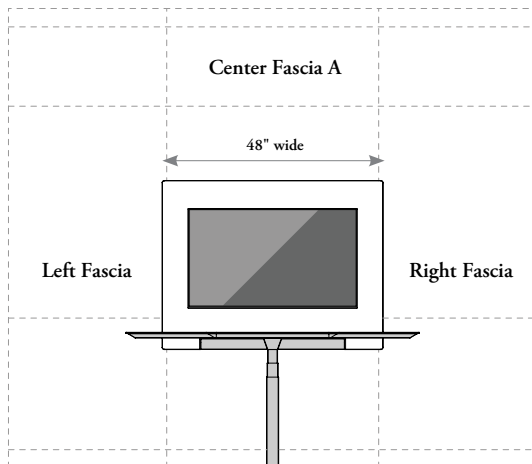
Available 42" and 48" wide.

planning with tek pier fascias

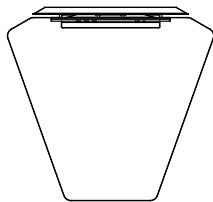
Tek Pier fascias are used to create the face of the frame assembly and can be configured into four wall types depending on the fascia selection.

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

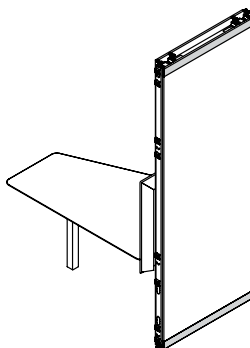


When a 48" wide fascia is specified, it must be specified on a 48" wide Frame Assembly for Tek Pier (FKTKP) and also with Tek Pier Assembly 1 (TKP1).



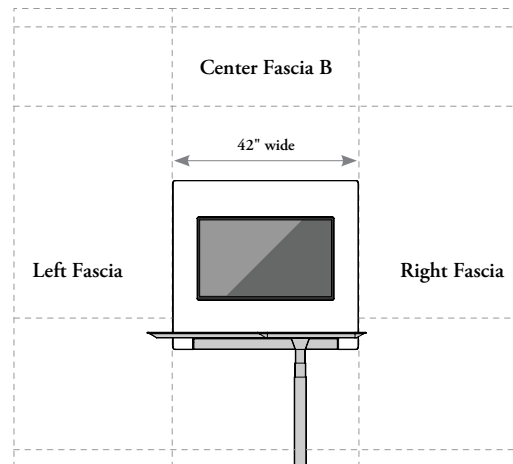
Spade Top Worksurface

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.

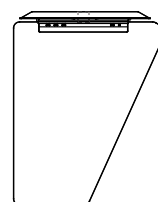


When a single-sided application is specified, the opposite side to the Tek Pier, workstation does not require Tek Pier Fascias, standard Altos fascias can be used. However, if a 4" Base and Ceiling Fascia Kit is desired on the opposite side, the dedicated Tek Pier 4" Base and Ceiling Fascia Kit (FFCBTKP)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

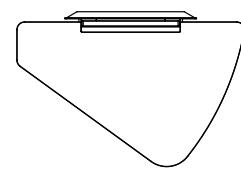
tek pier assembly 2



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

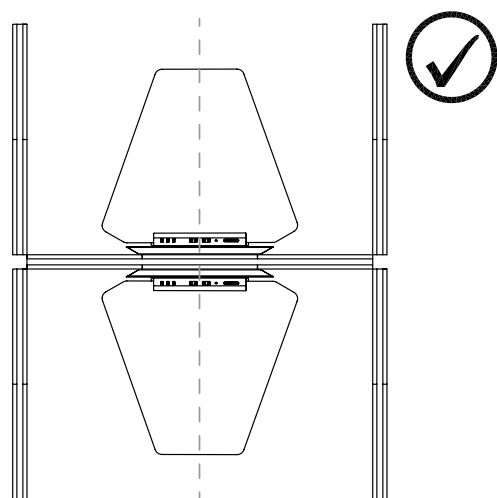


Pie Top Worksurface

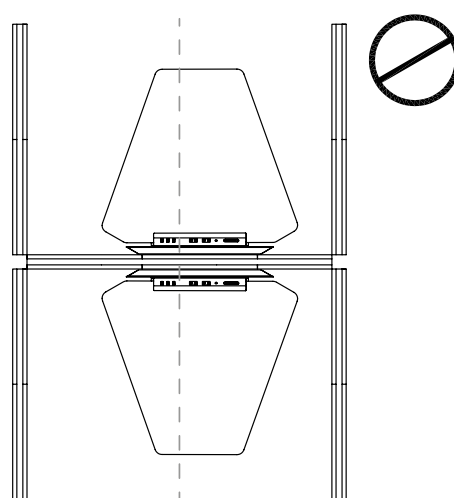
When a Wedge Top Worksurface (TKPC) or a Pie Top Worksurface (TKPB) (see worksurfaces) is required, a 42" wide Frame Assembly for Tek Pier (FKTKP) and Tek Pier Assembly 2 (TKP2) must be specified.

planning with tek pier fascias (continued)

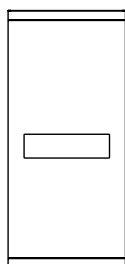
In a double-sided application, it is recommended that both the left and right side fascias are the same width so both sides are symmetrical.



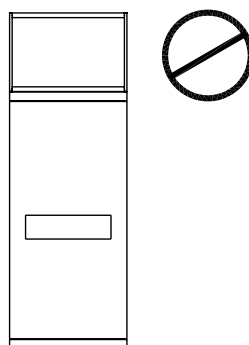
Centered



Right Justified
(shown)



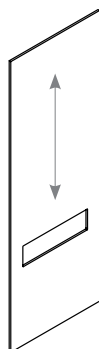
All center Tek Pier fascias come with cut outs to accommodate Assembly Kits.



Clerestory is not available on Tek Pier frames.

grain direction

The illustration below demonstrates the grain direction for all Veneers and Flintwood.

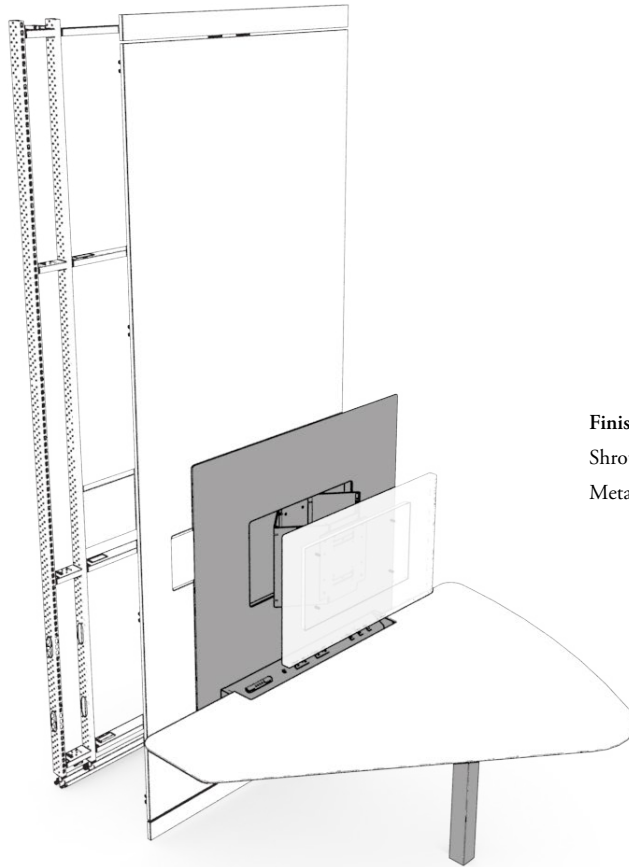


application guide

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.

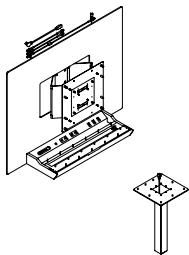
Electrical orientation can be specified left or right.



Finishes:

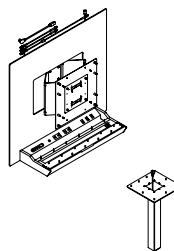
Shroud surface finish is Glacier White solid surface

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

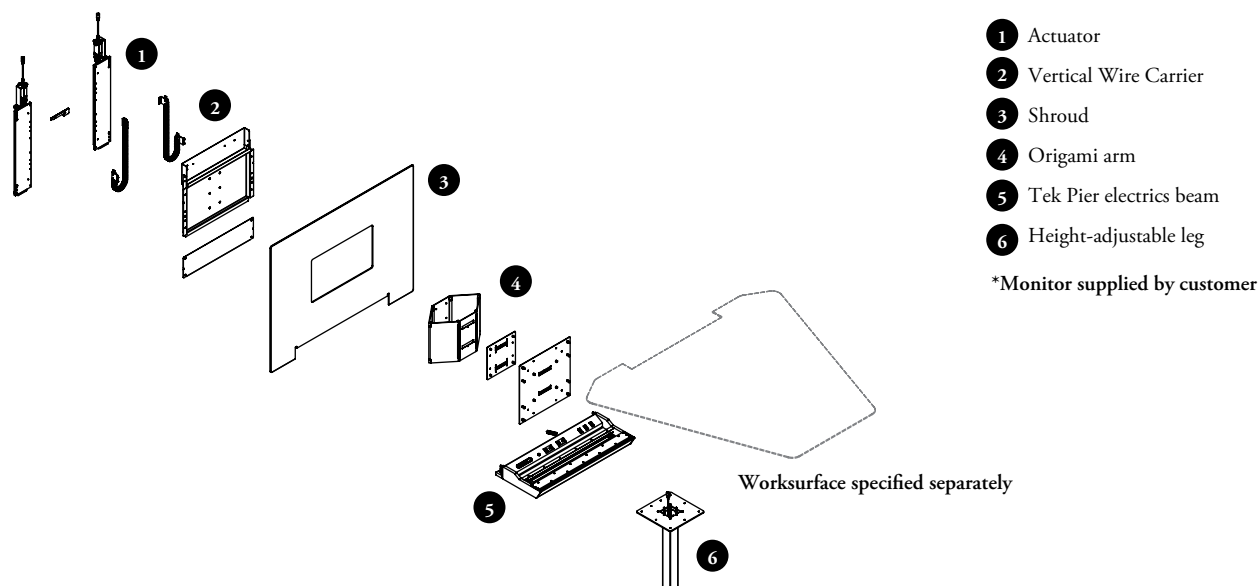


Tek Pier Assembly 2 (TKP2)

- 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

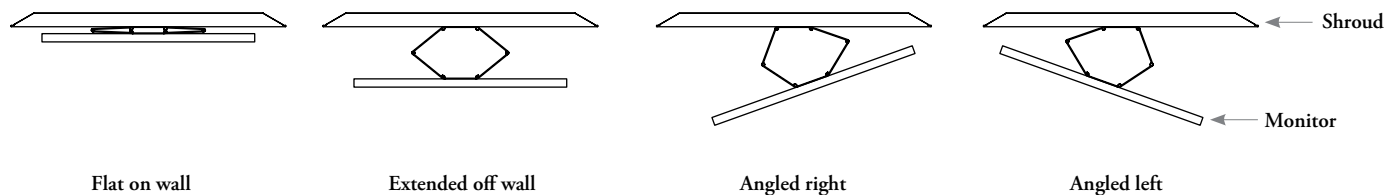
planning with tek pier assembly

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

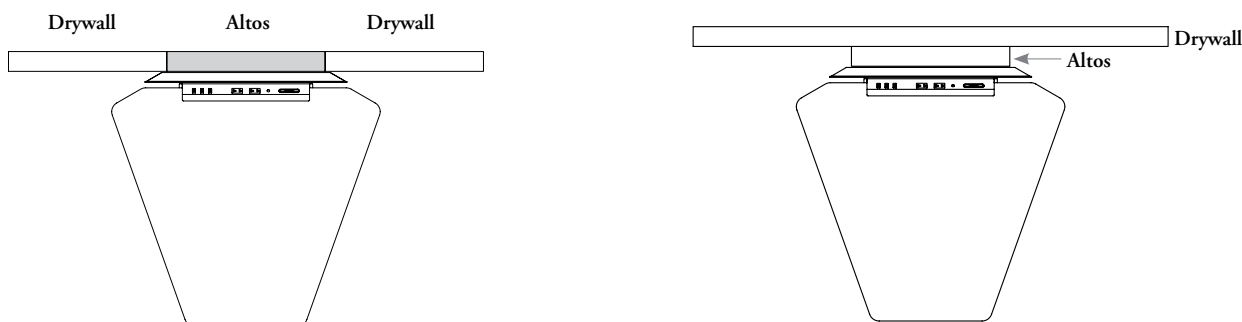


origami arm

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



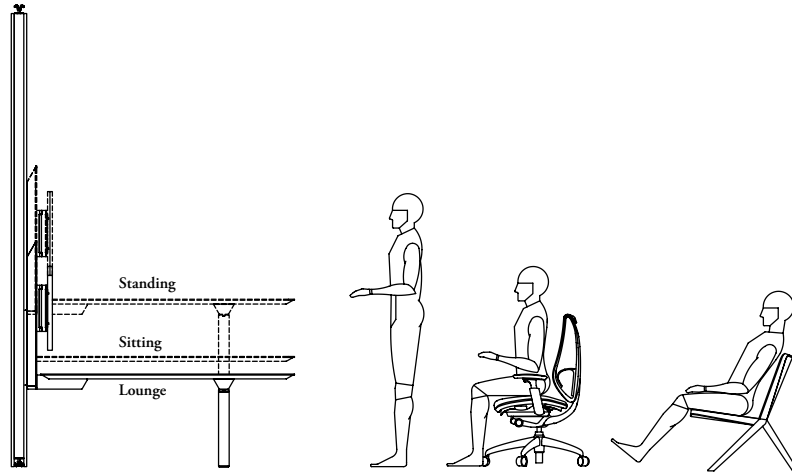
The Tek Pier assembly components **cannot** be mounted directly to drywall. Custom applications can be accommodated to allow the Frame Assembly for Tek Pier to be mounted on Altos wall between two drywall partitions or in front of a straight run of drywall. Contact your Teknion Customer Service Representative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



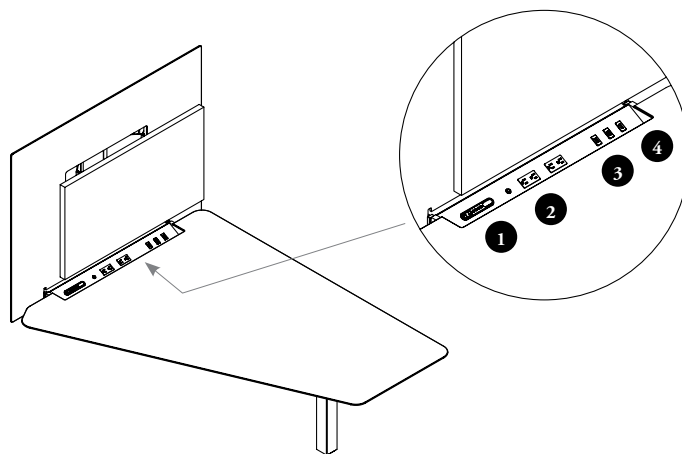
planning with tek pier assembly (continued)

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

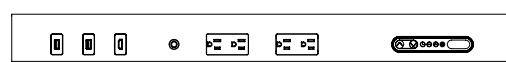
The electrics beam consists of:

- 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

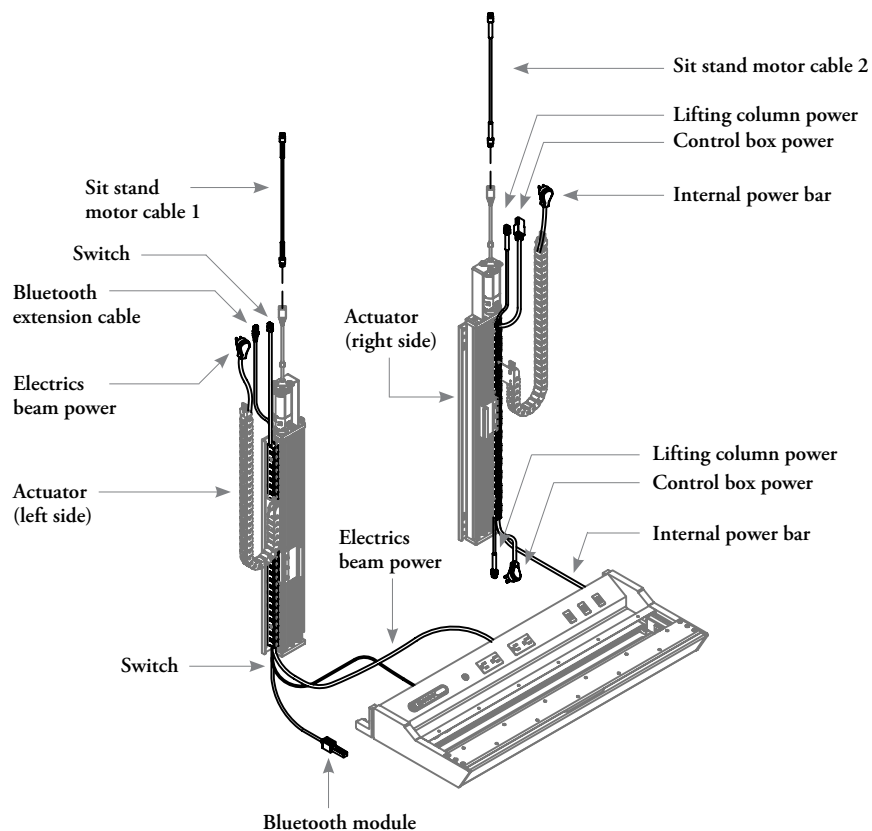
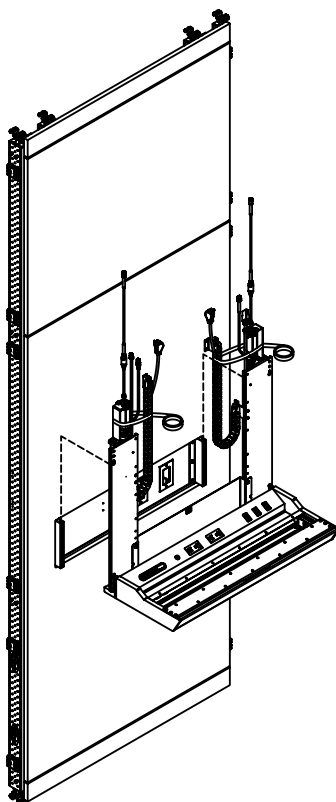


Right-handed electrics beam corresponds with right-handed and symmetrical worksurfaces

planning with tek pier assembly (continued)

wire management

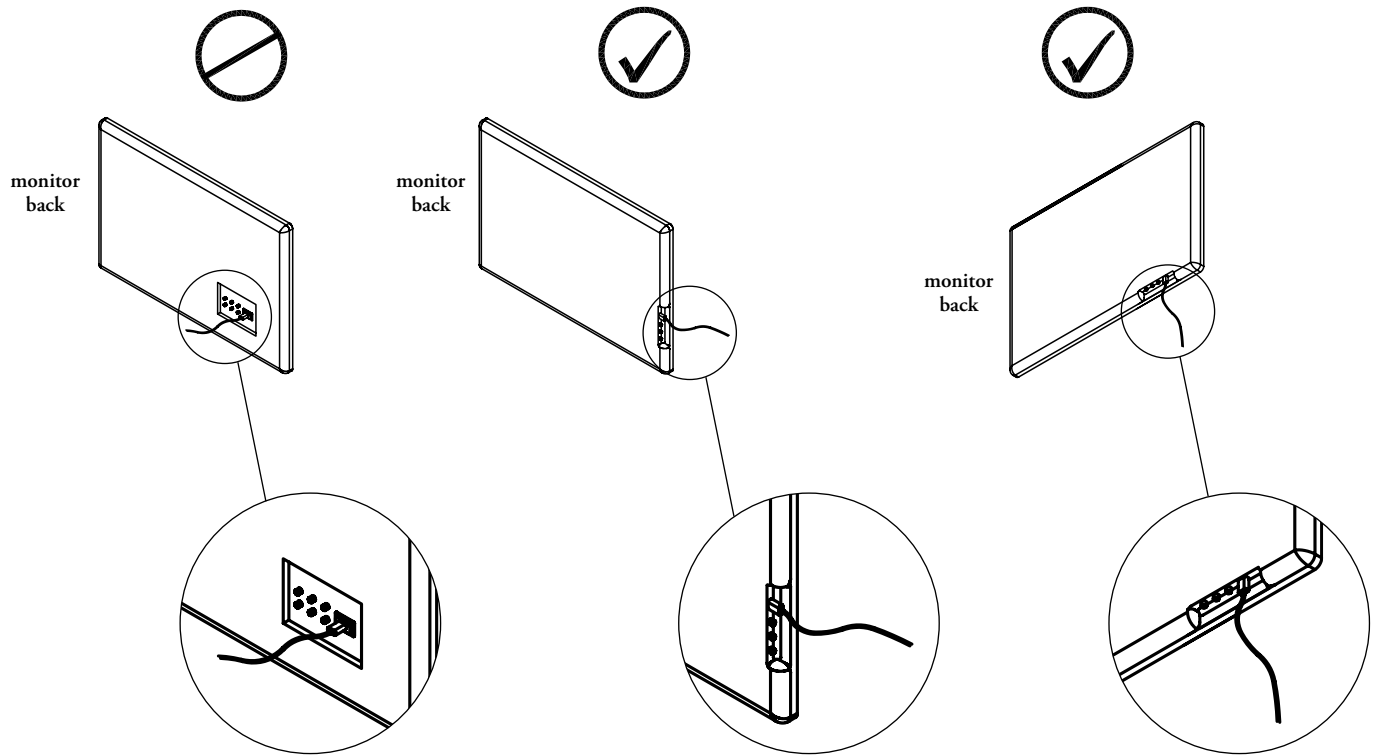
Tek Pier offers integrated cable routing, allowing for height-adjustability, technology connectivity and optional wireless control downloadable application.



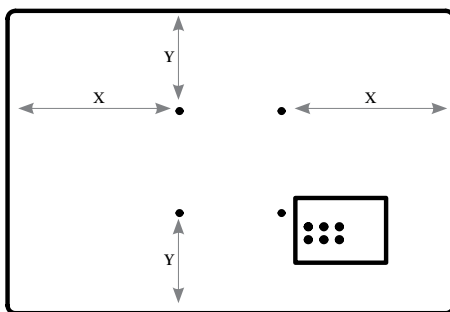
planning with tek pier assembly (continued)

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 .



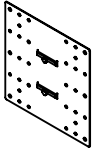
When specifying a monitor for Tek Pier, it is important to select a monitor with a centered VESA pattern to maximize adjustability.



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.



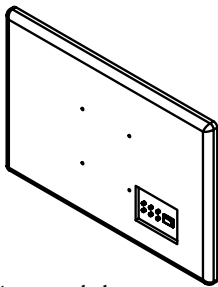
Large Plate

- 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

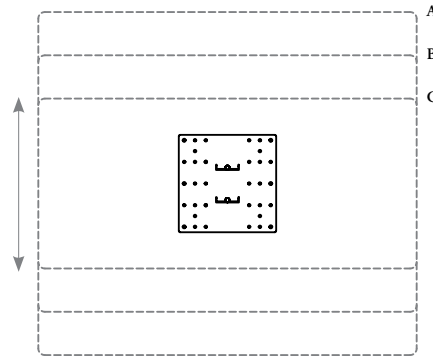


Back of monitor

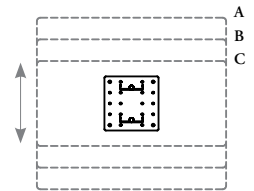
VESA pattern hole

- Select a monitor with an HDMI port to connect to the electric's beam
- Maximum monitor weight is 35 lbs

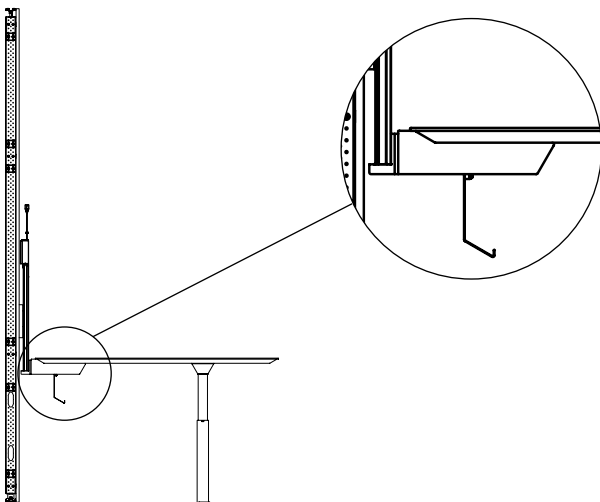
Back of monitor



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

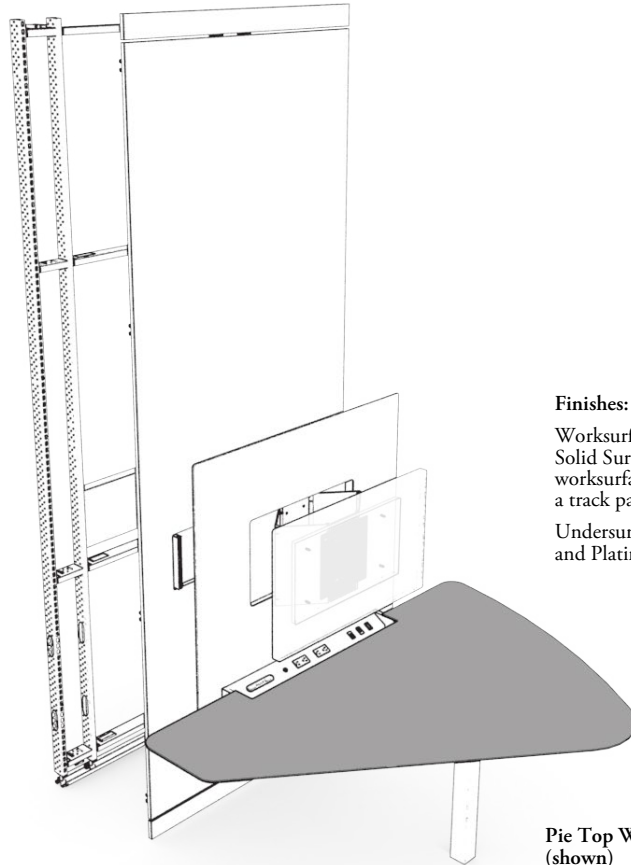


Tek Pier provides an electric's access hatch below the worksurface. This space is available for technology storage provided by the customer and houses the optional bluetooth wireless modules.

application guide

tek pier worksurface basics

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

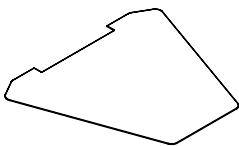


Finishes:

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).

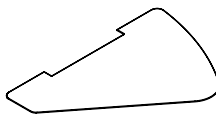
Undersurface finishes include Very White and Platinum Paint

Pie Top Worksurface (left-handed)
(shown)



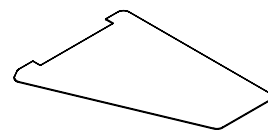
Spade Top Worksurface (TKPA)

- 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)

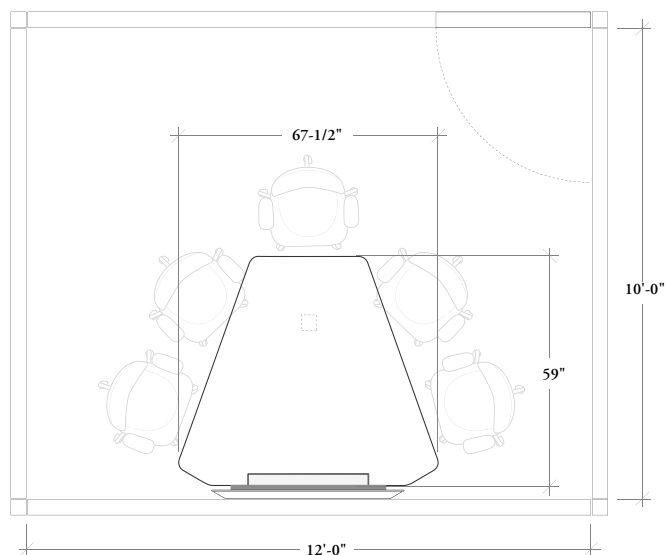
planning with tek pier worksurfaces

The following outlines the features of Tek Pier worksurfaces.

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

Spade Top Worksurface

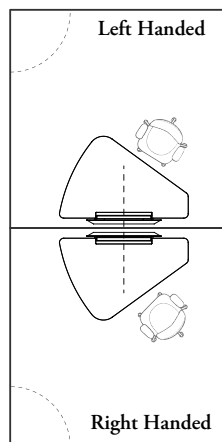
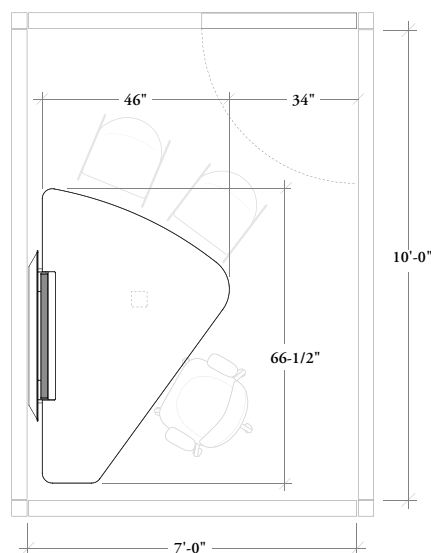
- Ideal for meetings and collaboration
- The origami monitor mount recedes into shroud to allow for maximum collaboration
- Recommended for use in a medium sized room (10' x 12')



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

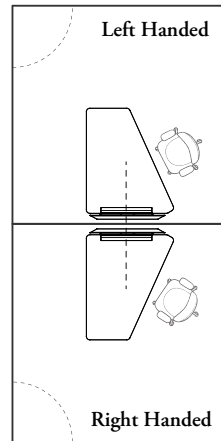
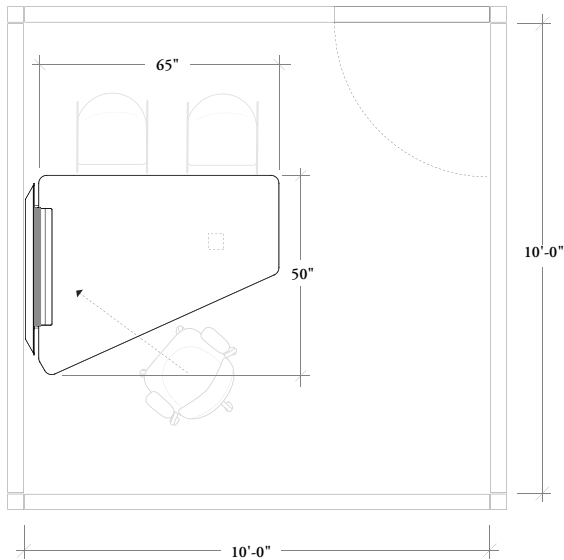


The Pie Top worksurface is handed and is determined by the location of primary user

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')



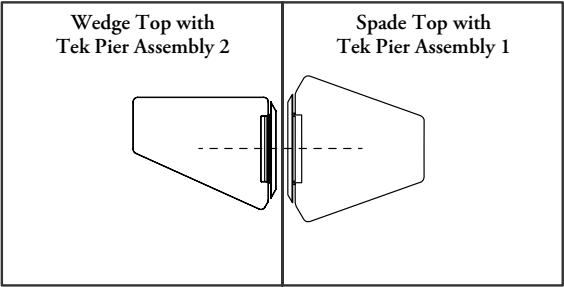
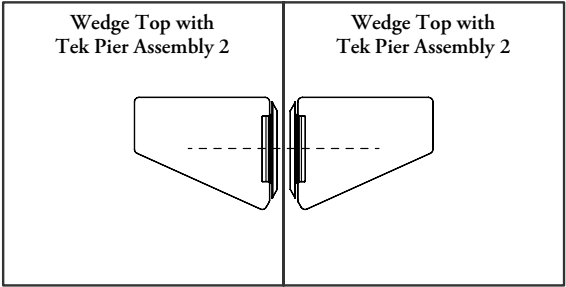
The Wedge Worksurface is handed and is determined by the location of primary user

planning with tek pier worksurfaces (continued)

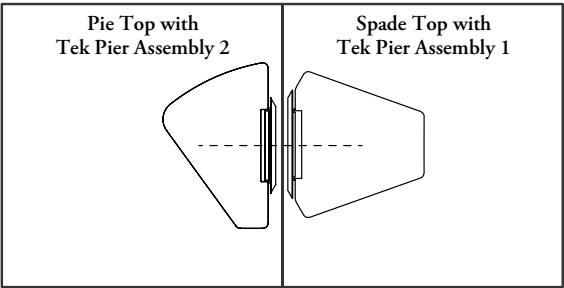
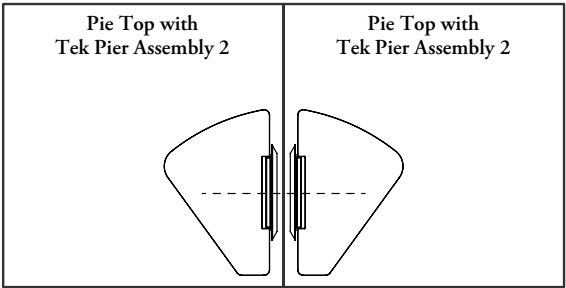
Configurations

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

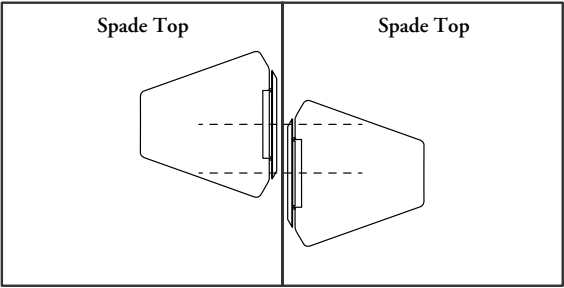
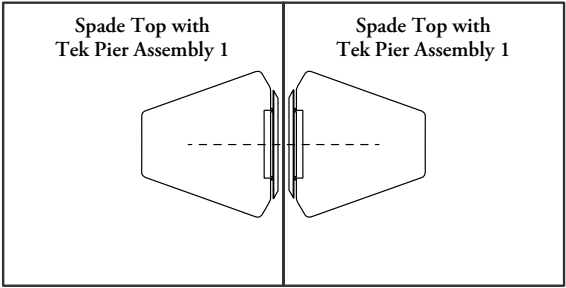
Back to back worksurfaces must align with each other to accommodate supports. Both sides must have the same Tek Pier assembly. Wedge and Pie Worksurfaces use the same Tek Pier assembly and can be installed back to back.



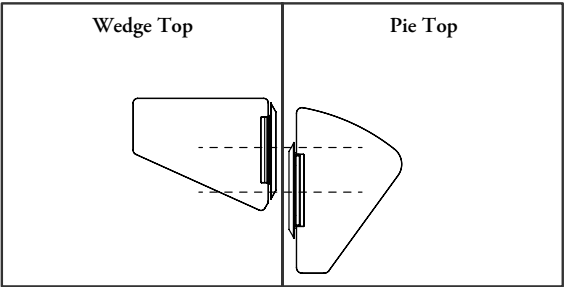
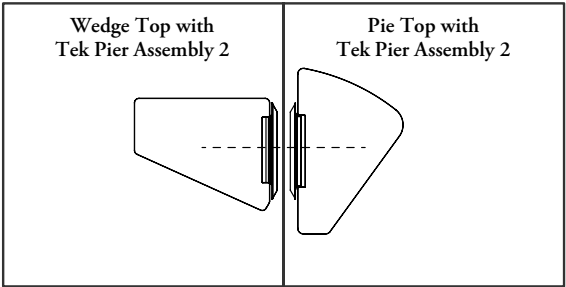
Different Tek Pier assembly



Different Tek Pier assembly



Not aligned



Not aligned

portrait –
lighting, electrics &
communications

portrait – lighting, electrics & communications

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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 • 5D • 7G • 8T • 8K
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

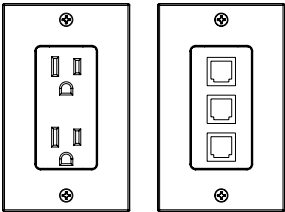
comparing electrics & communication methods

(continued)

The following chart helps visualize the differences between Teknion’s two electrical systems for Altos Portrait.

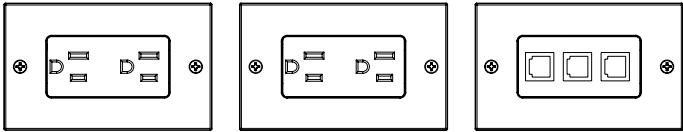
Hardwire Electrics

Vertical cut outs (applicable for 18" high)



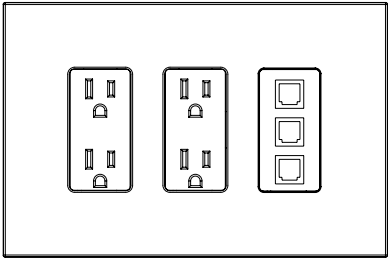
Duplexes and data boxes are specified separately.
Data jacks/faceplates are not included on communications module.
Images are for illustration purposes only.

Horizontal cut outs (applicable for worksurface and base heights)



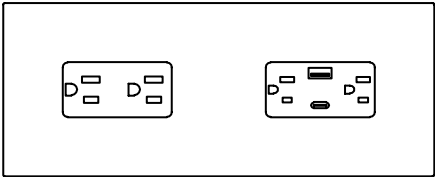
Power Data Electrics

Vertical cut outs (applicable for 18" high)



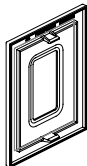
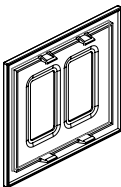
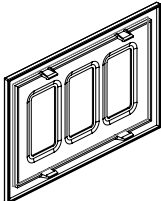
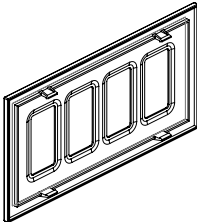
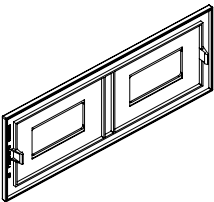
Screwless Face plates.
Self contained unit for an homogeneous, clean look.
Data and Power in one box.
Single face plate for entire box.
Data jacks/faceplates are not included on Power Data modules.
Images are for illustration purposes only.

Horizontal cut outs (applicable for worksurface height)



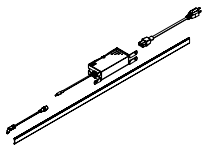
comparing electrics & communication faceplates

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 

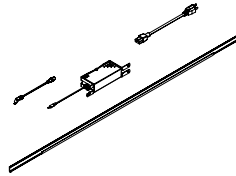
lighting overview - portait

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



Portrait Wall-Mounted Light – Single (ELWMPs)

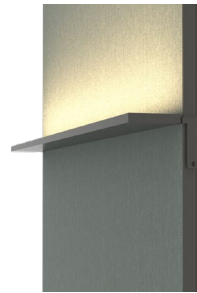
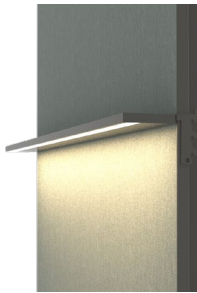
- For lights spanning a single portrait fascia
- Light orientation: up or down
- Widths: 36"-48" (1/8" increments)
- Valance optional
- Corded left or right
- Finish: Mica, Foundation, Accent (excl. textured) or Anodized



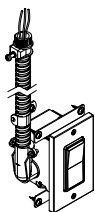
Portrait Wall-Mounted Light – Double (ELWMPD)

- 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



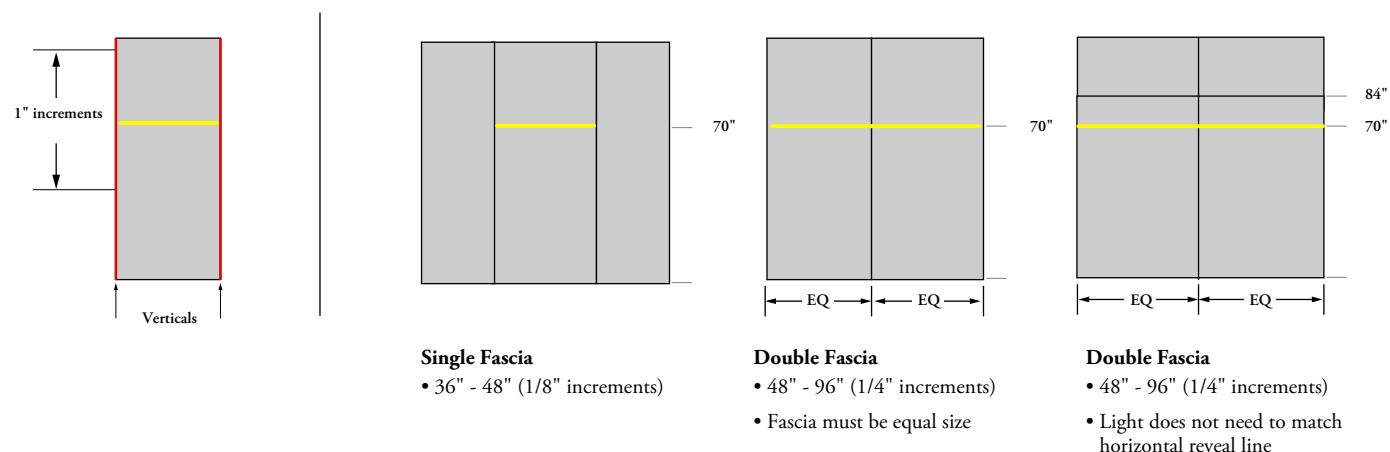
Light Switch (ELS)

- 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

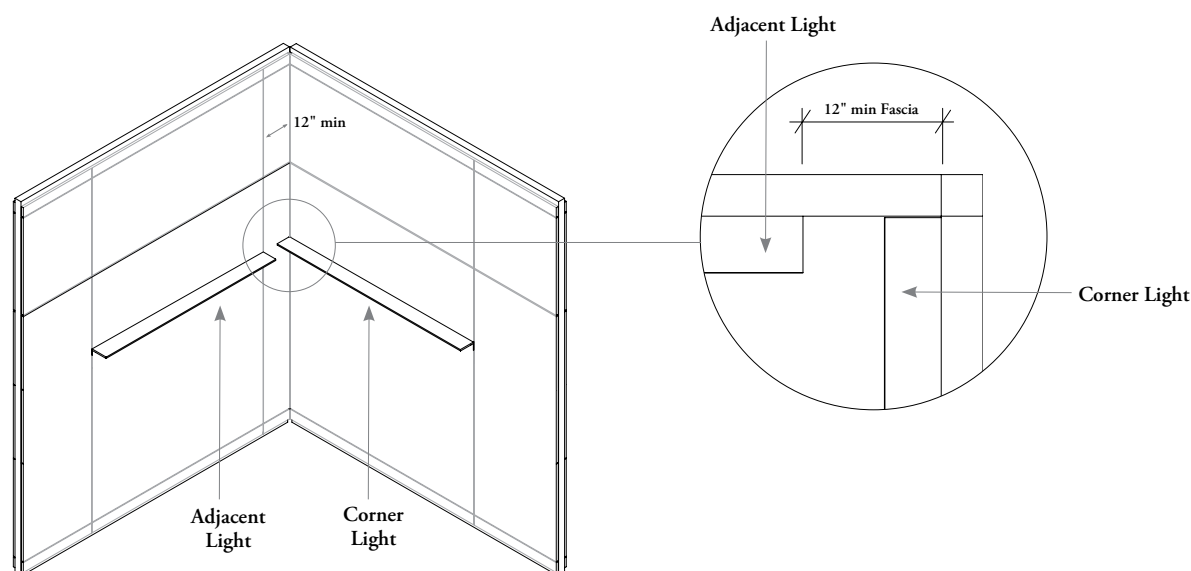
The following should be considered when planning with Portrait Wall-Mounted Lights.

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



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

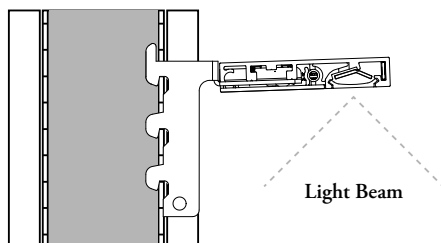
- When planning two Lights in a corner wall module the adjacent Light must be specified to be a minimum of 4-1/8" from the edge of the wall module to accommodate the Lights depth as well as a 1/8" gap.

planning with wall-mounted lights – portrait (continued)

The Portrait Wall-Mounted Light can be mounted in two different applications; task and ambient.

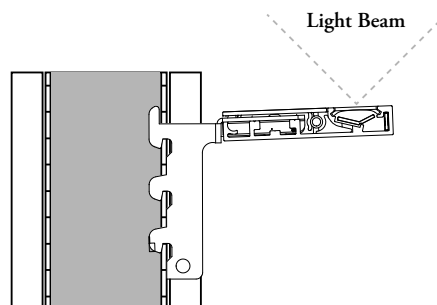
Task Light

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



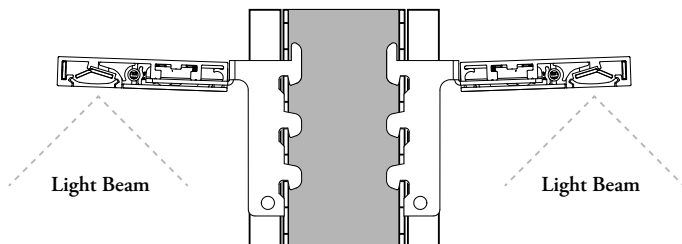
Ambient Light

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



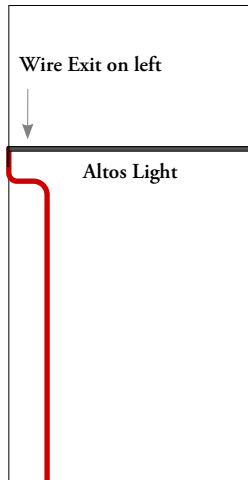
When Portrait Wall-Mounted Lights are planned back-to-back they must be specified as the same application on both sides of the wall.

Task and Task



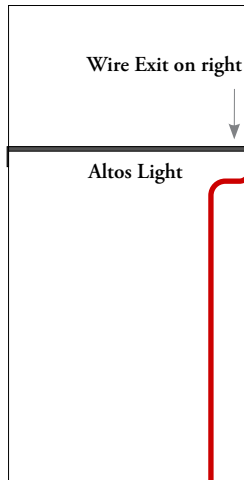
planning with wall-mounted lights – portrait (continued)

- 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)



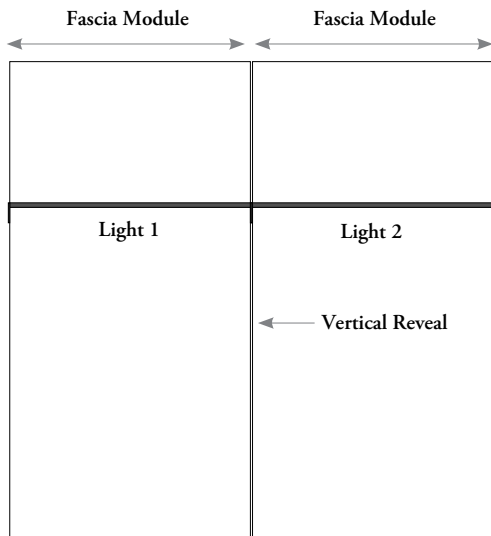
Left Handed

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



Right Handed

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

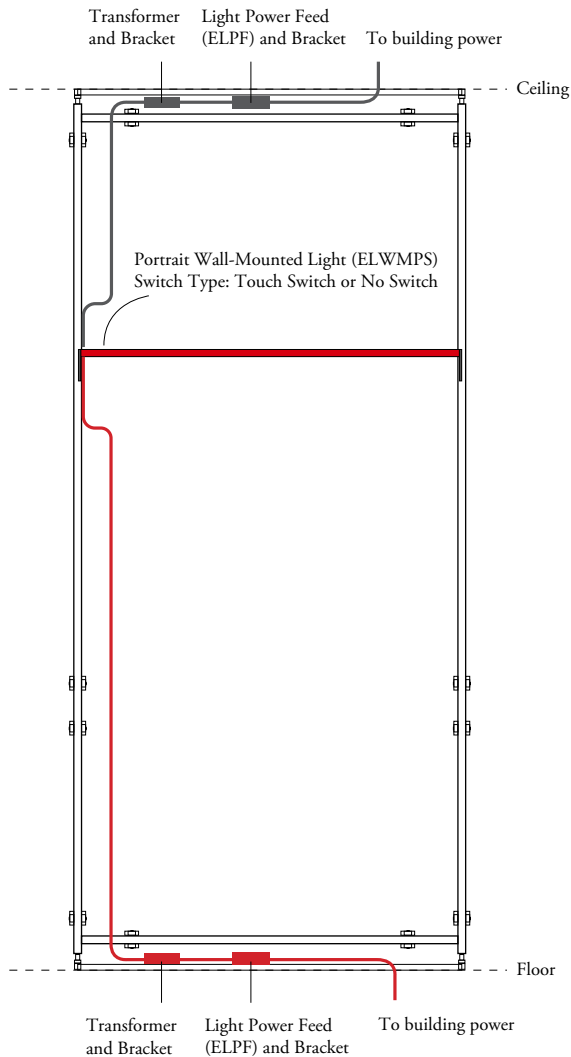


- Two Wall-Mounted Lights can be mounted side by side on two fascias.
- The lights share one reveal line in the middle.

planning with wall-mounted lights – portrait (continued)

Light (Touch Switch or No Switch)

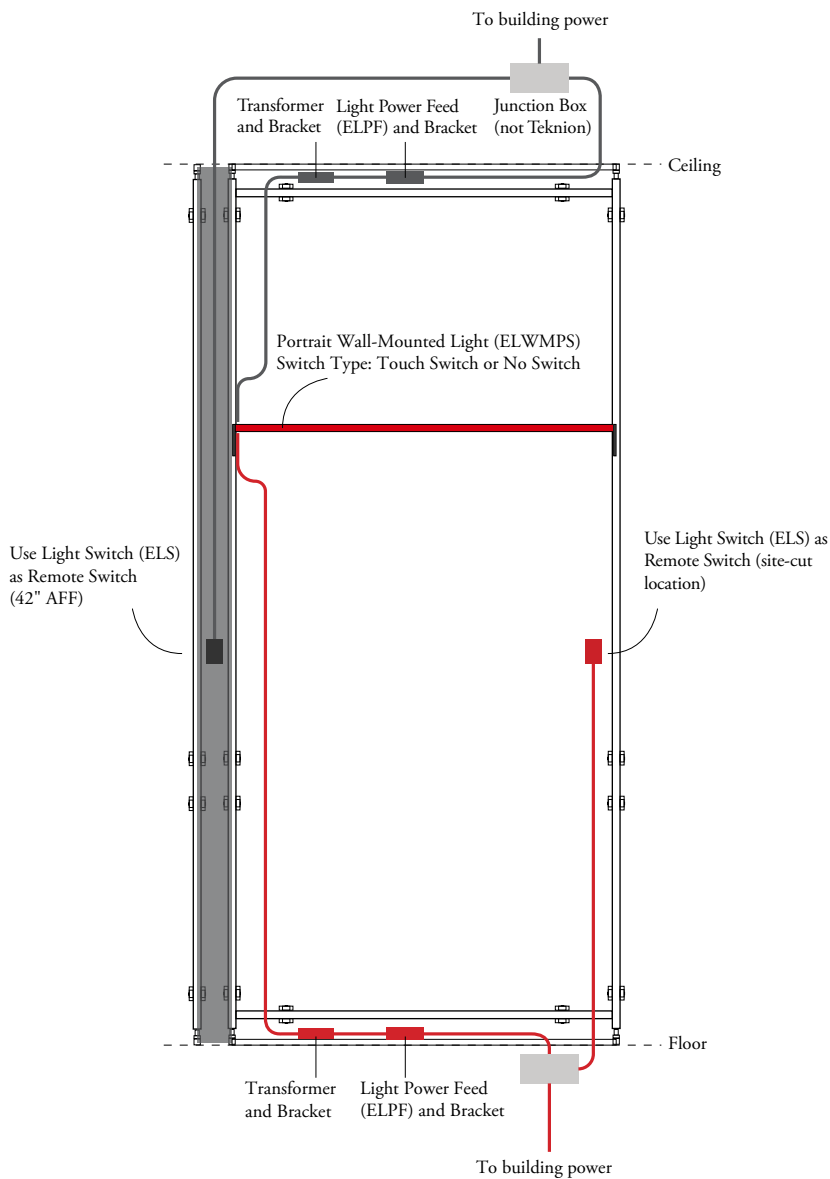
- When planning with the Portrait Wall-Mounted Light (ELWMPS or ELWMPD) with either the Touch Switch or No Switch option, a Light Power Feed (ELPF) must be specified as shown
- Power and Communication electrics are routed independently from the Wall-Mounted Light or Desk
- Portrait Wall-Mounted Light (ELWMPS) with left switch and cord location is shown
- Use Installation Tool (FTTK) to run the Light cord within the vertical and horizontal reveal



planning with wall-mounted lights – portrait (continued)

Light (Remote Switch)

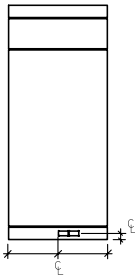
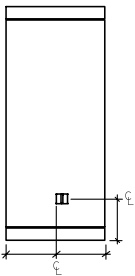
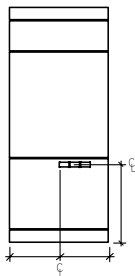
- When planning with a Portrait Wall-Mounted Light (ELWMPs or ELWMPD) with the Remote Switch option, Light Power Feed (ELPF), Light Wire Management (ELWMG), and Light Switch (ELS) must be specified as shown.
- Remote Switch Lights must use a industry standard junction box to connect the Light Power Feed (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



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 Out Locations	Vertical Cut Out Locations
Base height* Applicable to 6" base only	 ✓ Hardwire ✗ Power Data 3-3/8" above finished floor to center-line of cut out	
18" height		 ✓ Hardwire ✓ Power Data 18-3/8" above finished floor to center-line of cut out
33" height (Worksurface height)	 ✓ Hardwire ✓ Power Data 33-3/8" 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.

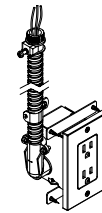
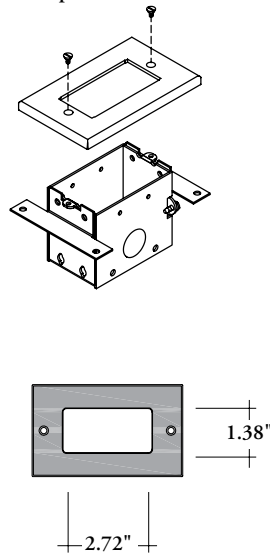
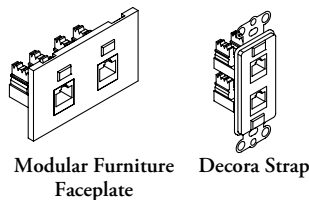
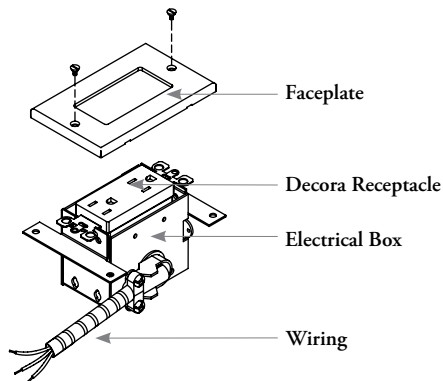
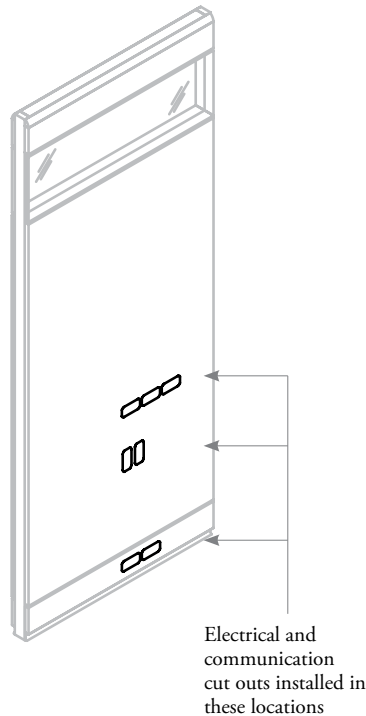
Fascia Cover Caps (EFCC) can be ordered to cover unused hardwired cut outs by size.

		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

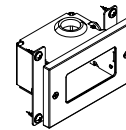
Hardwire components consist of receptacle modules and communications modules.

- 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



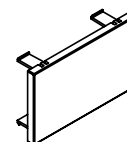
Receptacle Module (ERM)

- 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)

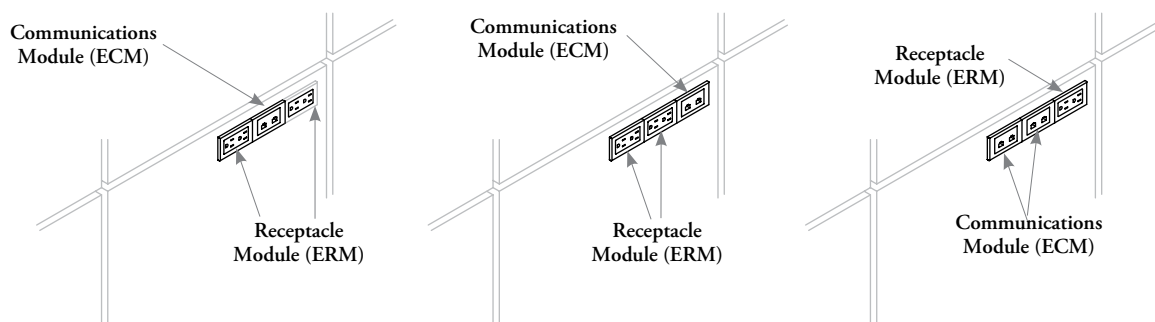


Fascia Cover Cap (EFCC)

- The Fascia Cover Cap covers any unused Fascia cut outs for Hardwired electrics.

hardwire electrics & communications basics (continued)

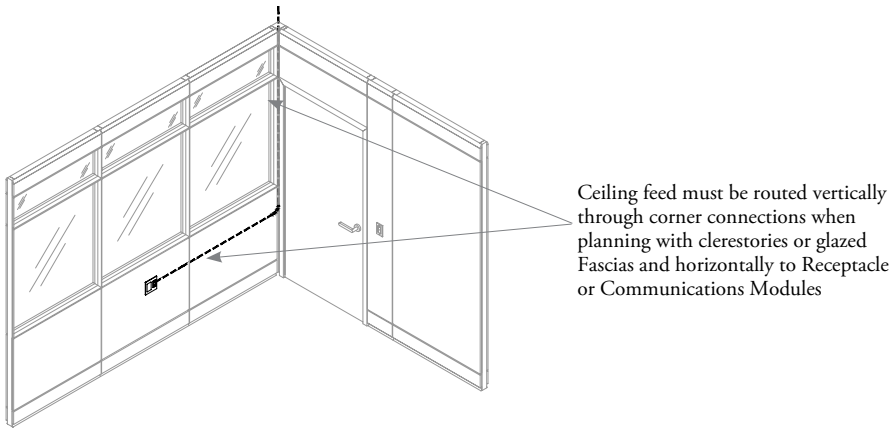
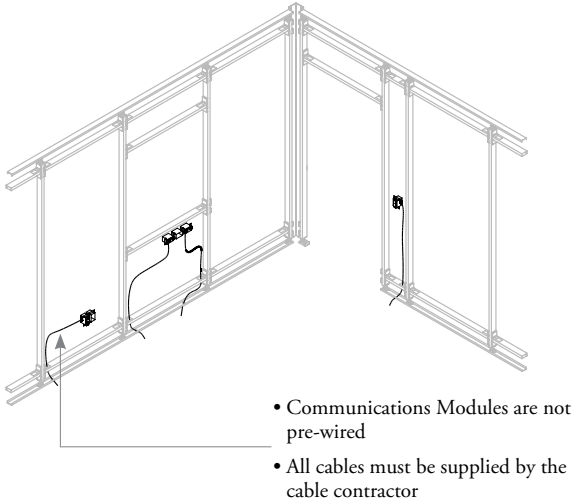
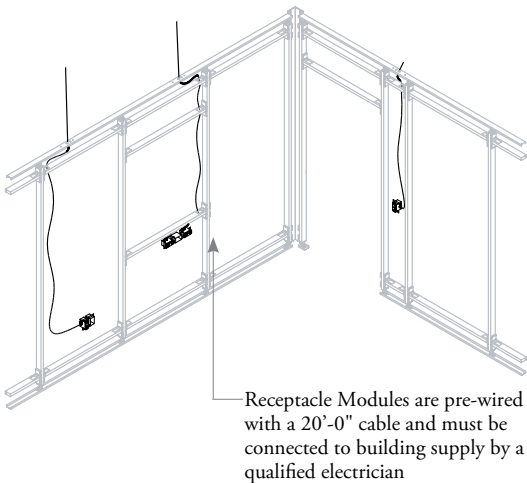
- One size cut out fits both receptacle and Communications Modules
- Any combination of Receptacles or Communications Module are possible



planning with hardwire electrical & communications

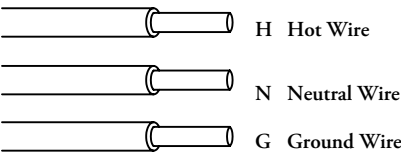
The following should be considered when planning with hardwire electrics and communications.

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.

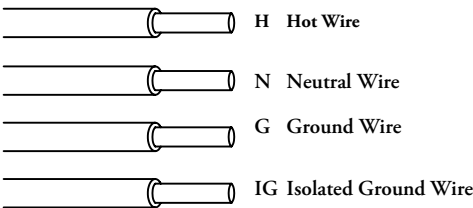


Two options are available for wire systems in ERM receptacle modules, hardwire electrics:

Standard Circuit



Isolated Ground Circuit

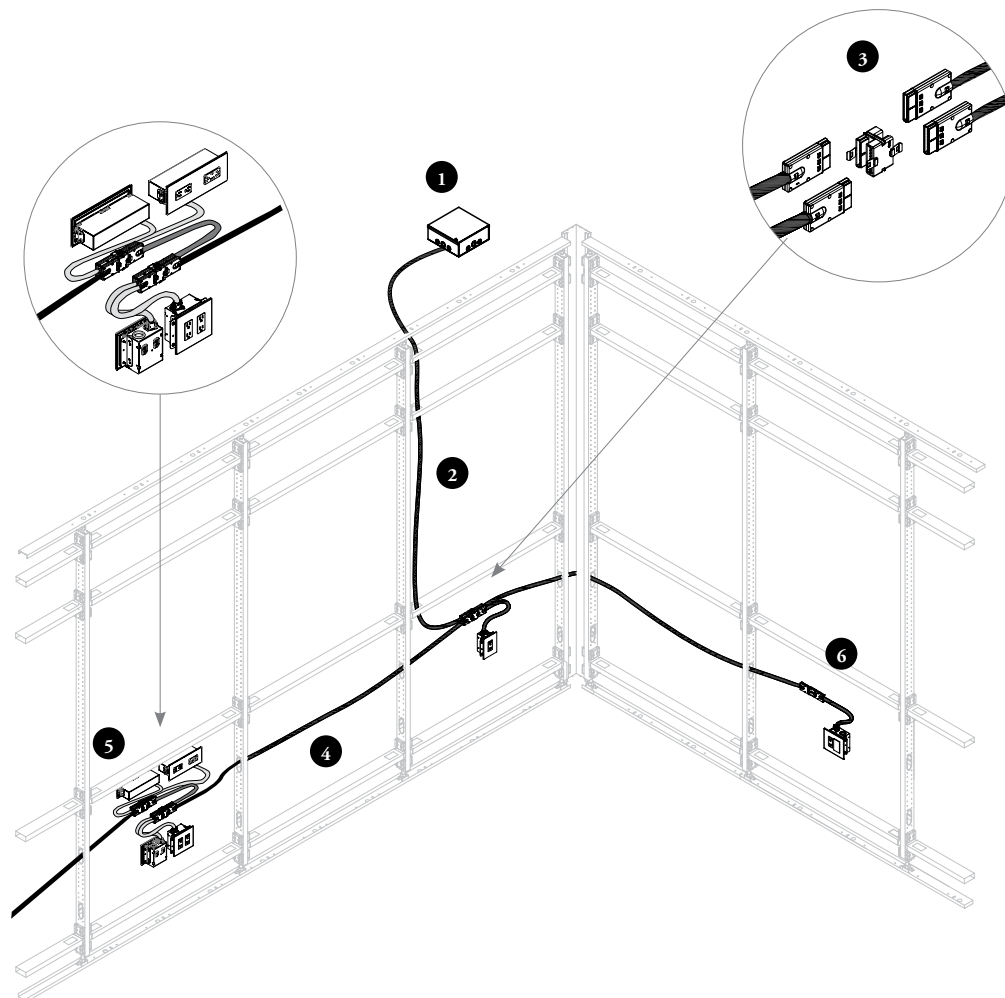


(for isolated ground: orange receptacle)

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.



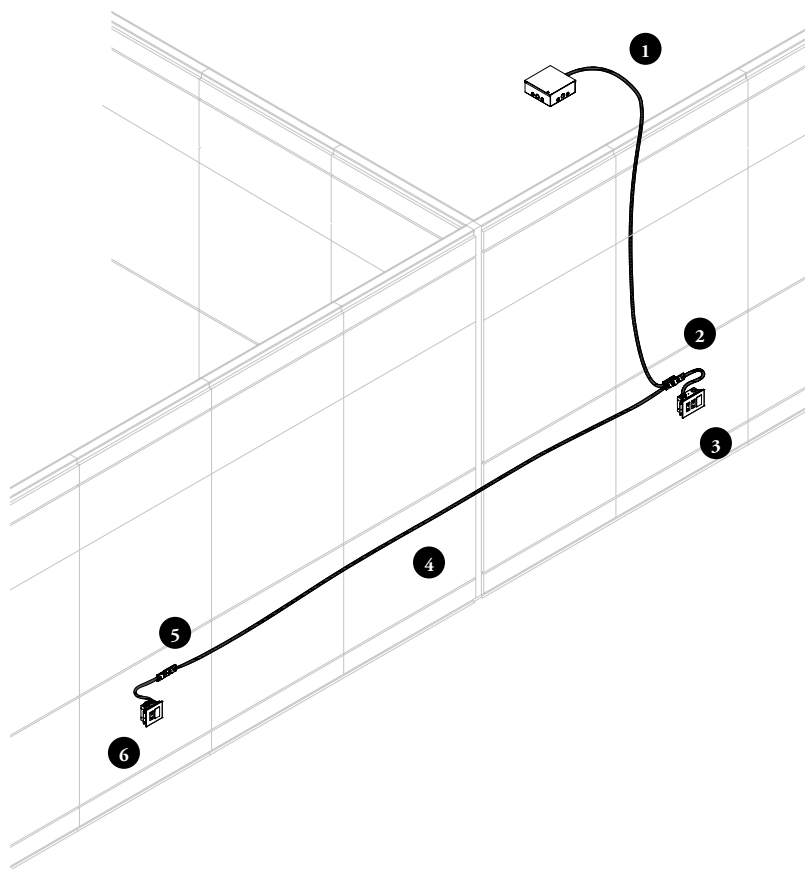
- ❶ Power is provided to Altos walls by a building junction box provided by others
- ❷ Power Data **Starter Cable** (EPDSC) - Connects to the building's junction box (by a certified electrician). Cables are fed from the ceiling or from access floors through cut outs in the ceiling or base channels to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

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

power data electrics basics

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

- Power data components can be connected in series (daisy chained) and are non-directional
- Power from a single building supply may be routed to multiple offices
- Back-to-back installation of electrics and communications is possible because electrical box mounting is offset on the fascia
- All components must be specified from 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. Contact your electrical contractor for further assessment



- ❶ Power Data Starter Cable (EPDSC)
- ❷ Power Data Four-Way Splitter (EPDDB)
- ❸ Power Data Vertical Module – Triple (EPDMT)
- ❹ Power Data Connecting Harness (EPDCH)
- ❺ Power Data In-line Connector (EPDIC)
- ❻ 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

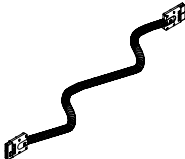
*All data openings include 1 cover plate for the communication outlet (color to match faceplate).

Connects to building communication network (no power).

Cables and data jacks for communication boxes to be provided by others.

power data components (continued)

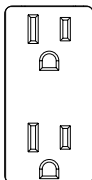
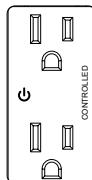
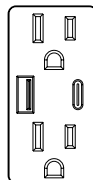
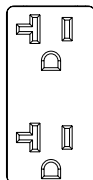
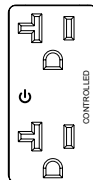
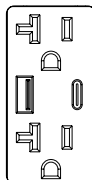
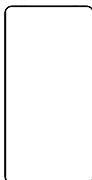
Power data electrics consists of the following components to route power to Altos panels.

	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. 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 Outler (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)

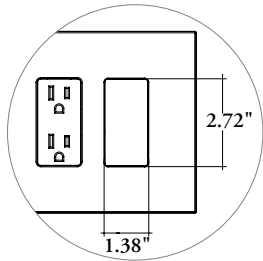
Cable compatibility: USB C
USB 2.0
USB 3.0

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:



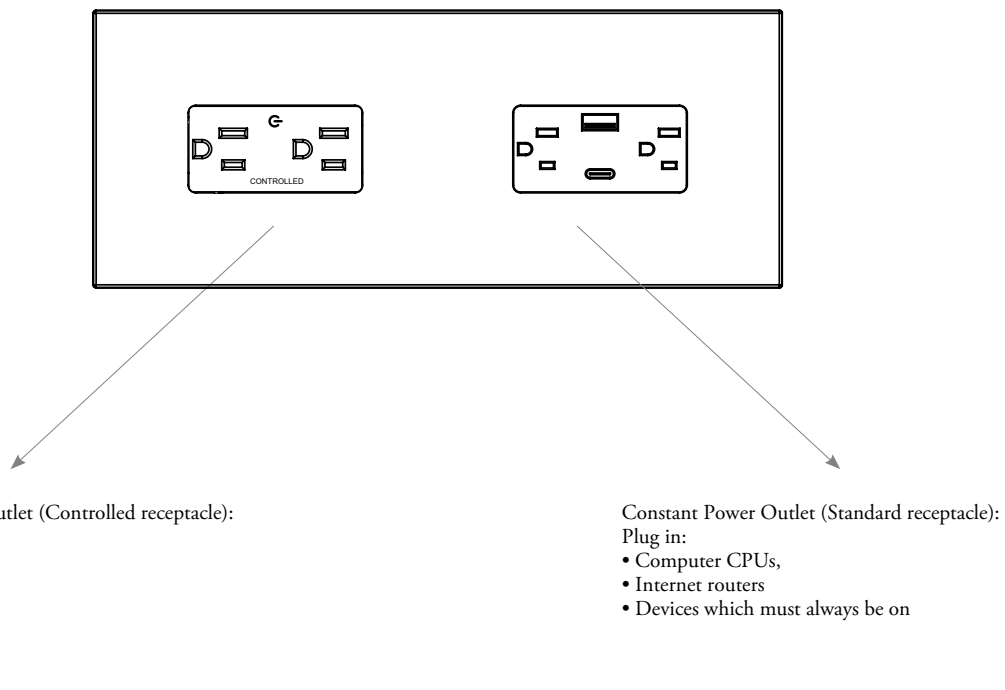
Data opening accepts modular furniture faceplates (supplied by others)

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



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

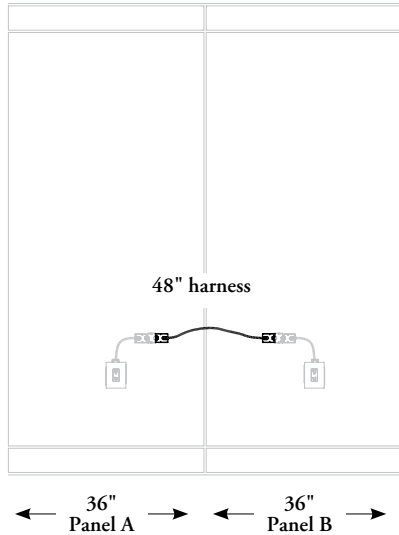


Always remember to include in-line connectors and four-way splitters to connect Power Data Modules and/or harnesses.

determinating harness lengths (continued)

The following examples will further explain these rules:

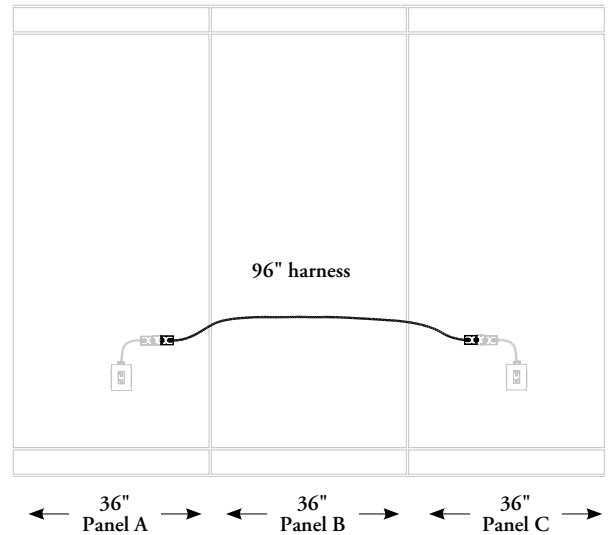
Adjacent panels with Power Data Modules at the same height.



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

A B calculated length product to order

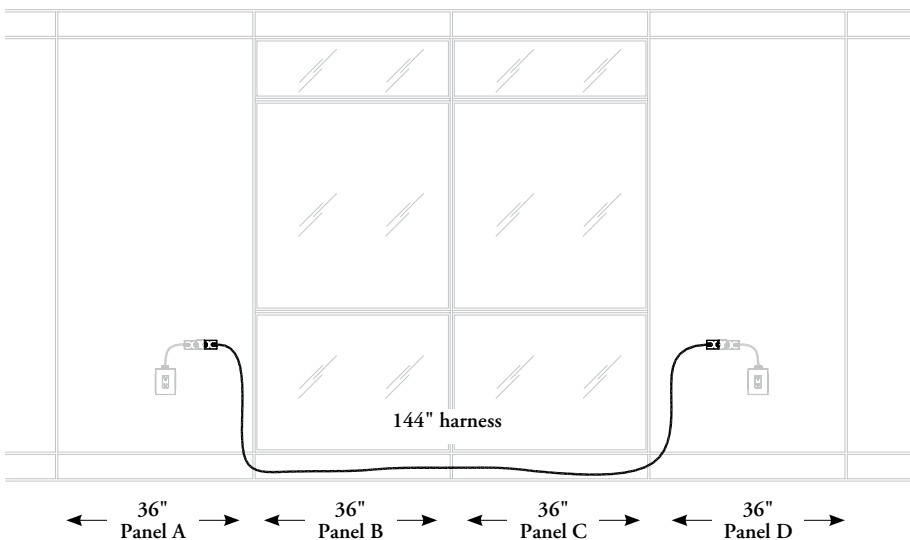
Passing through more than one panel, at the same height.



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

A B C calculated length product to order

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



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

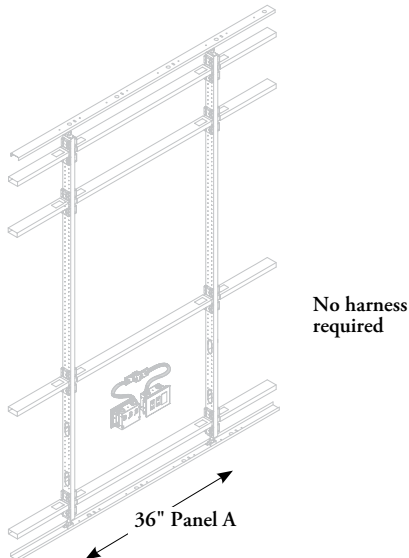
A B C D drop and rise calculated length product to order

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

determinating harness lengths (continued)

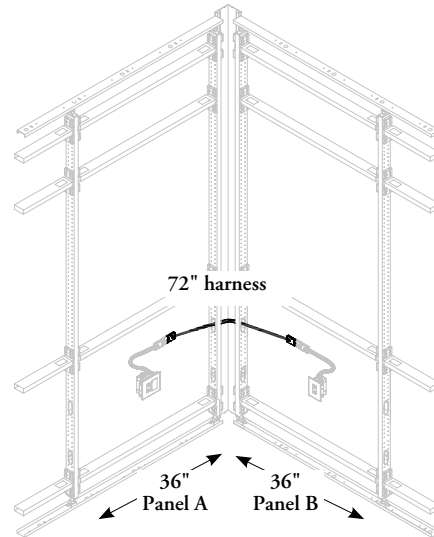
The following outlines the harness lengths required for connecting Power Data Modules.

Back-to-back modules



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

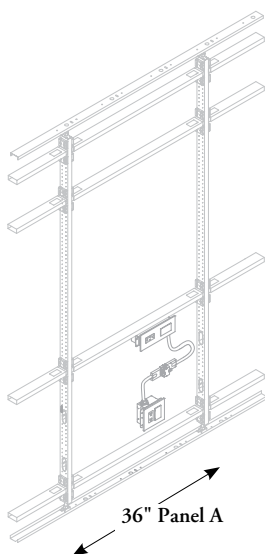
Passing through corner connections



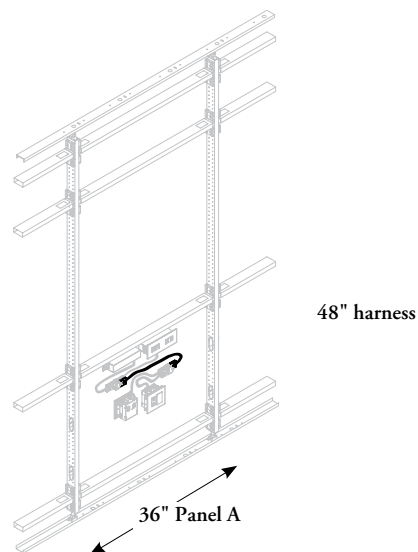
Harness calculation:

$$\underbrace{\frac{36"}{2}}_A + \underbrace{\frac{36"}{2}}_B + \underbrace{14"}_{\text{pass thru post}} = \underbrace{50"}_{\text{calculated length}} \rightarrow \underbrace{\text{EPDCH72}}_{\text{product to order}}$$

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



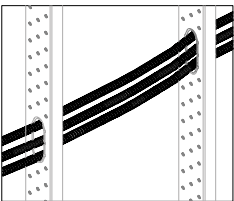
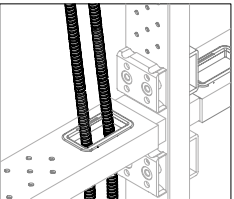
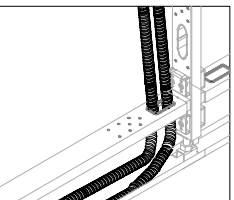
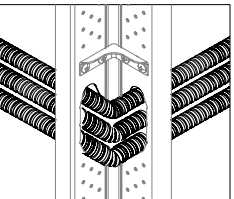
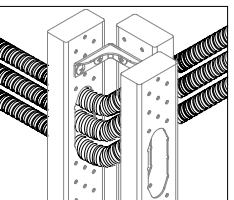
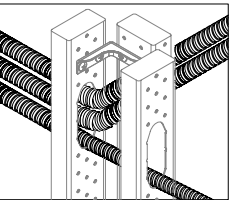
Connecting three or four Modules in the same panel



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.

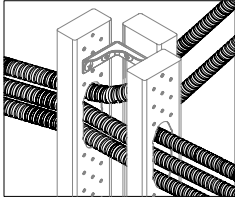
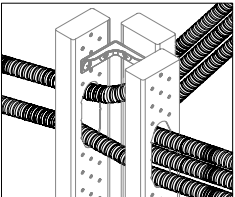
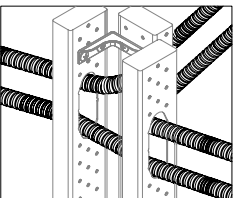
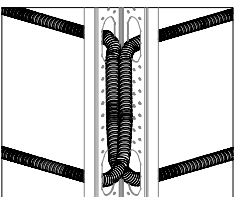
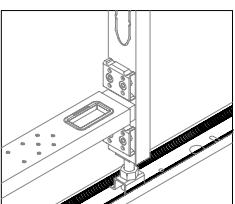
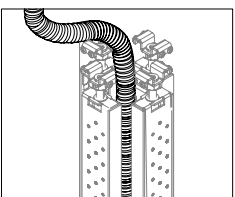
planning with power data power distribution

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)

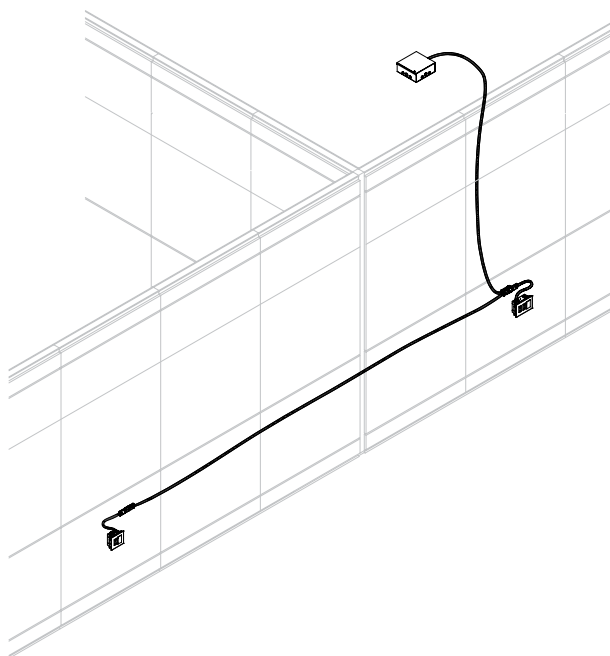
Power path		Number of maximum connectors per cut out	
		Portrait Power Data	Landscape Power Data
Three-Way 90°, through three vertical posts		3-2-3	3-2-3
Three-Way 90°, through three vertical posts		2-3-3 as shown	2-2-2 limit
Three-Way 90°, through three vertical posts		2-2-2	2-2-2
Four-Way, through 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

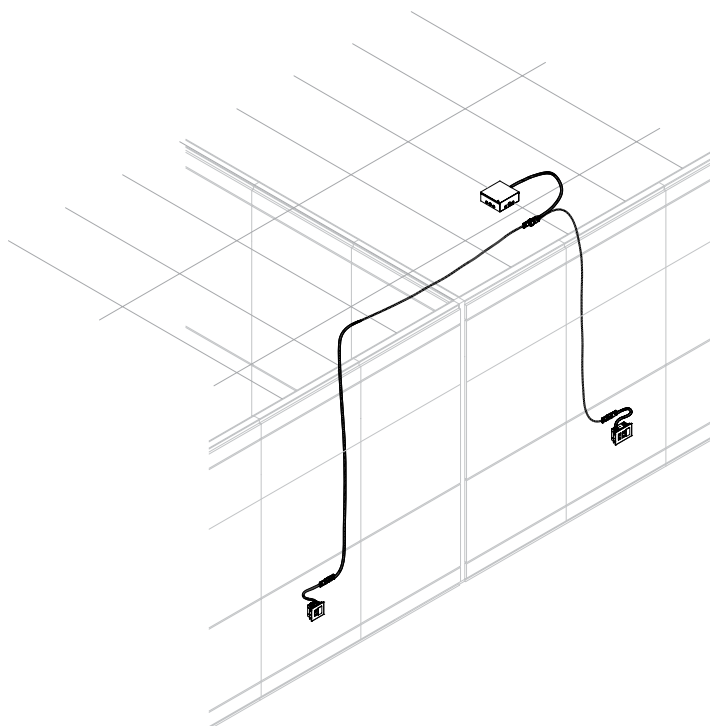
planning with power data power distribution (continued)

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

power distribution inside panels



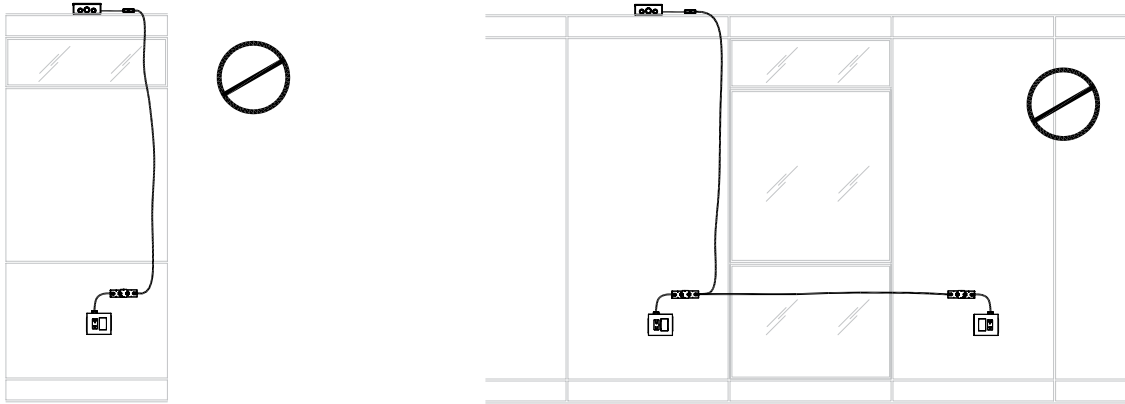
power distribution above ceiling



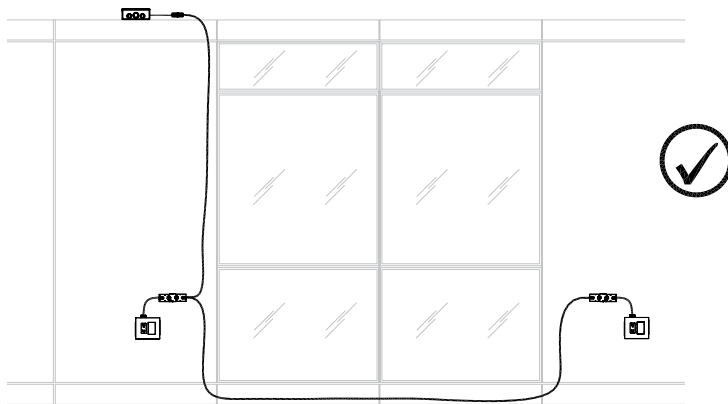
planning with power data power distribution (continued)

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

planning with glass fascias

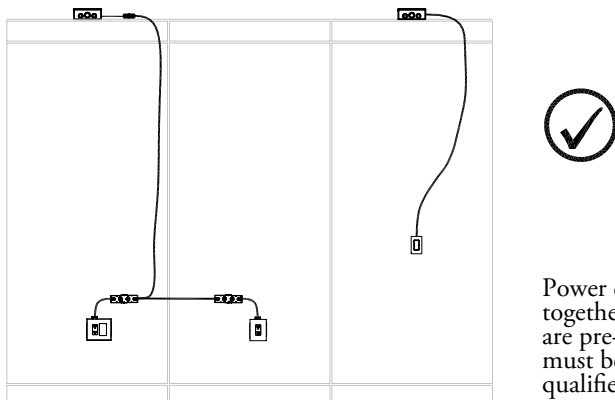


Power data components cannot be routed through Fascia packages that include glazed Fascias.



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

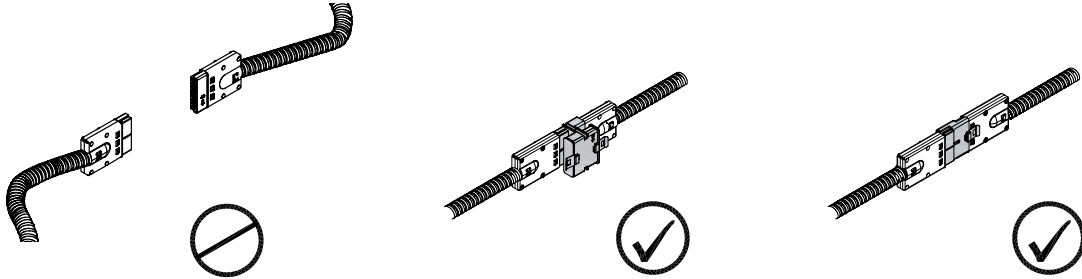
planning with light switches



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)

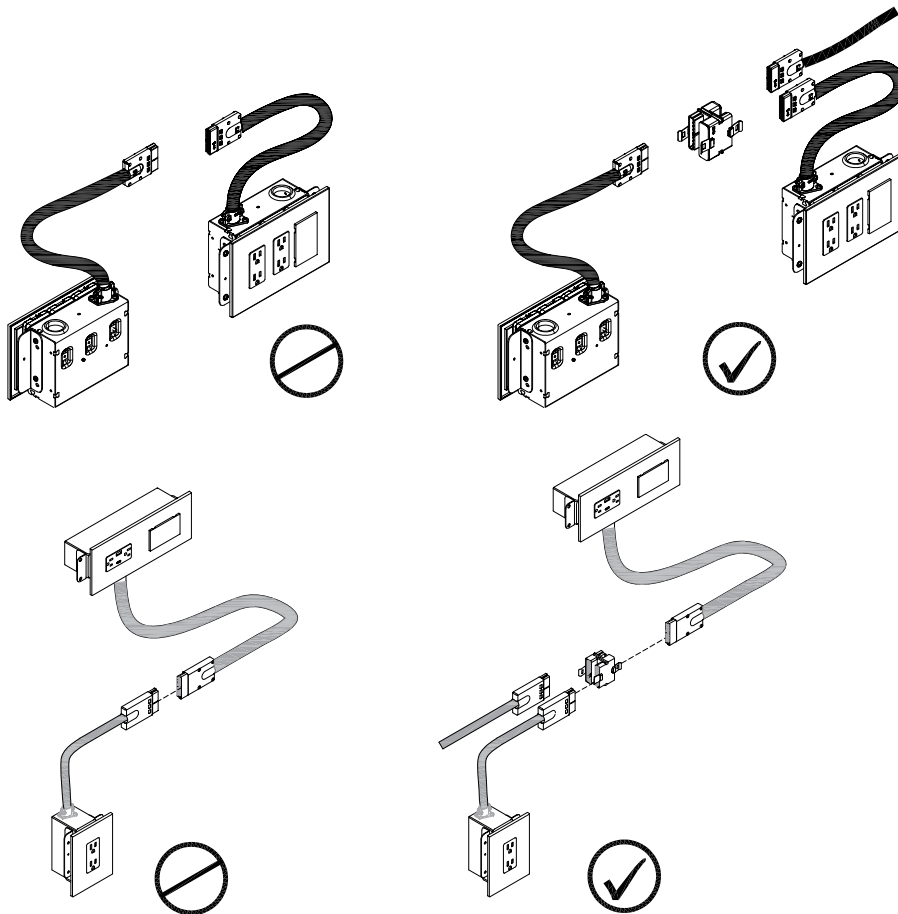
harness



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.

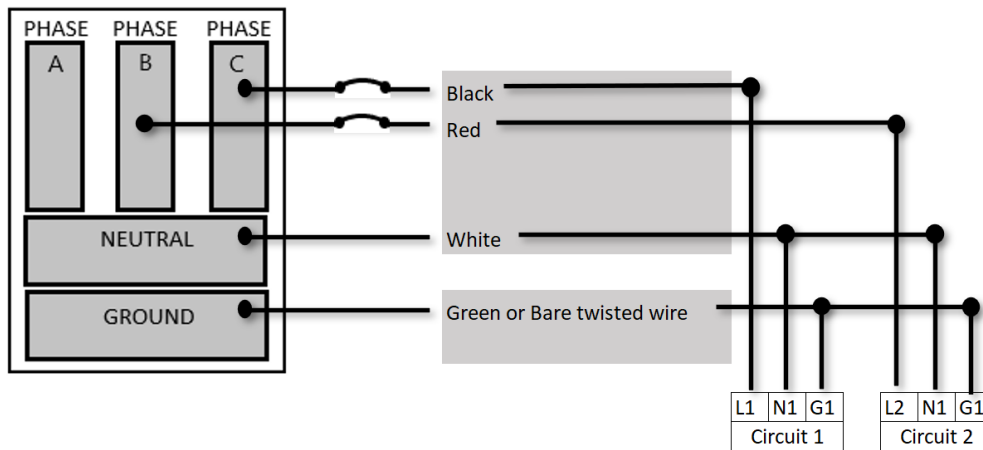
A four-way splitter should be specified to connect them.

power data information for electricians

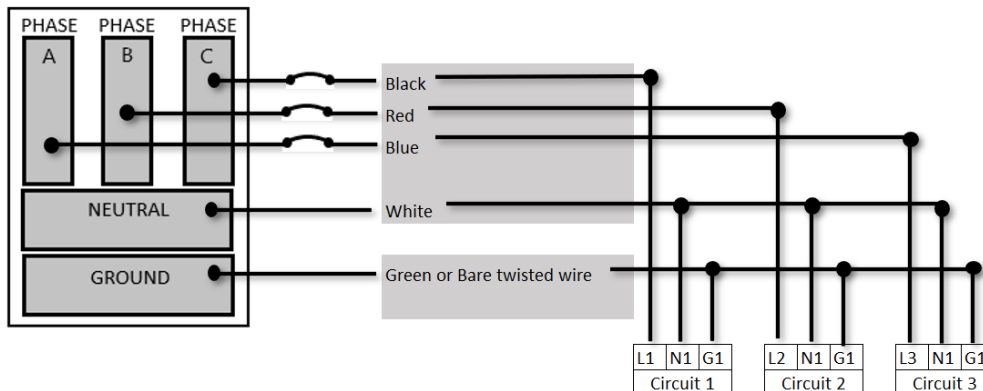
Connection to a grounded 3 phase WYE system - 120/208 V.

- 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, specify Teknion 4B or 5D wiring systems

4B 4-wire 2 circuit

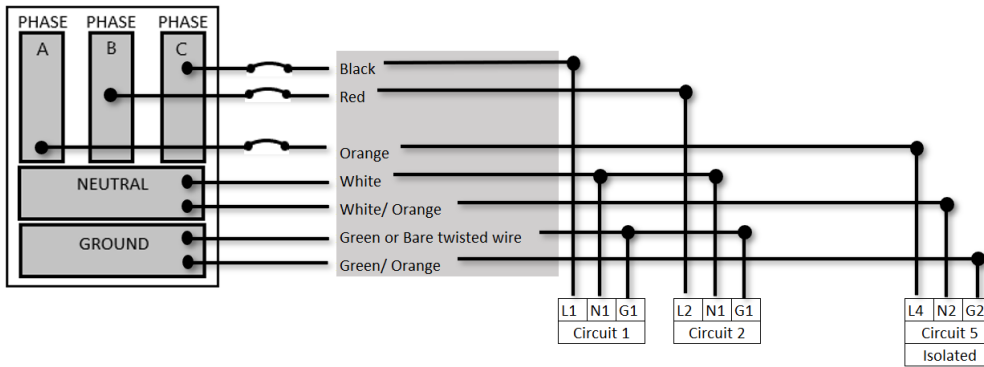


5D 5-wire 3 circuit

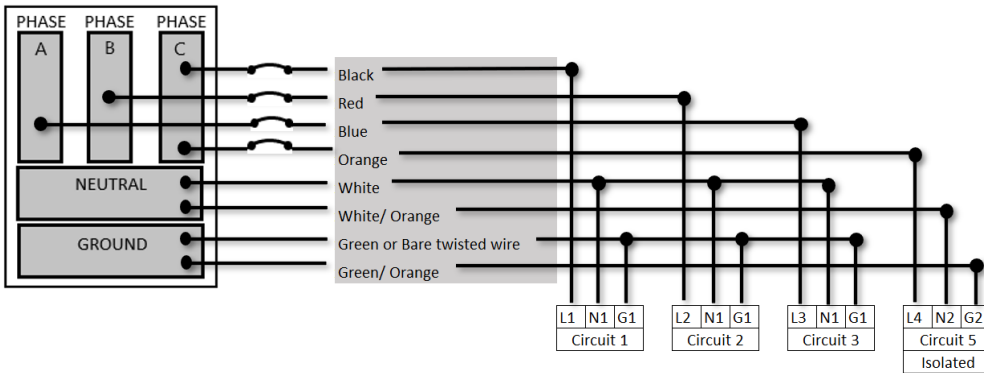


power data information for electricians (continued)

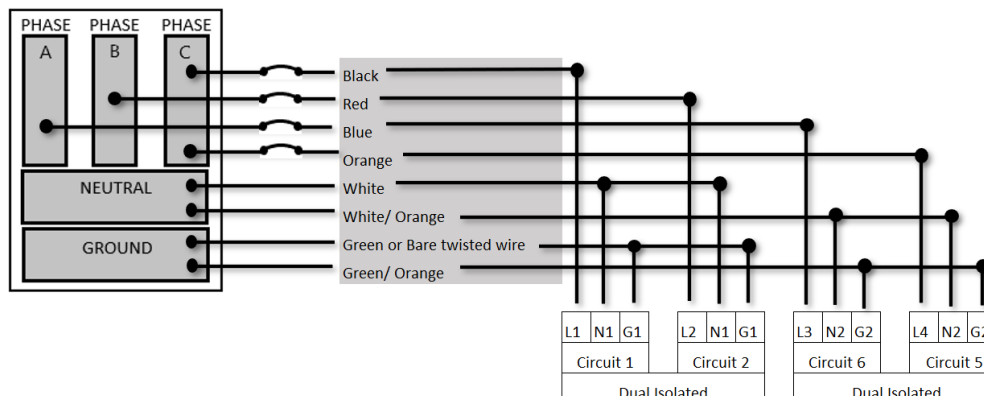
7G 7 Wire 3 circuit (2+1 Isolated Ground)



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

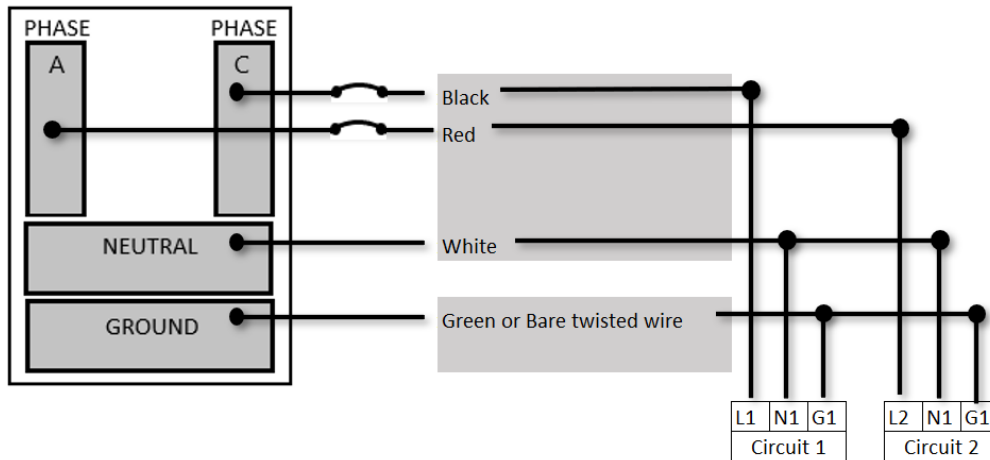


8K 8 Wire 4 circuit (2+2) - Dual isolated

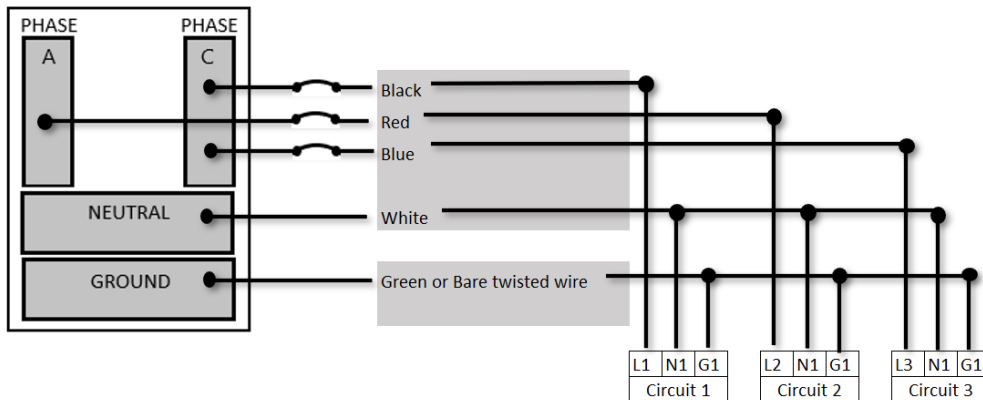


power data information for electricians (continued)

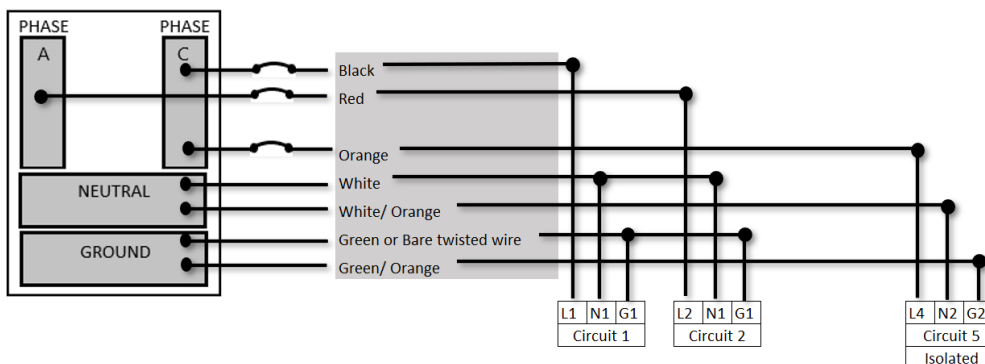
4B 4-wire 2 circuit



5D 5-wire 3 circuit

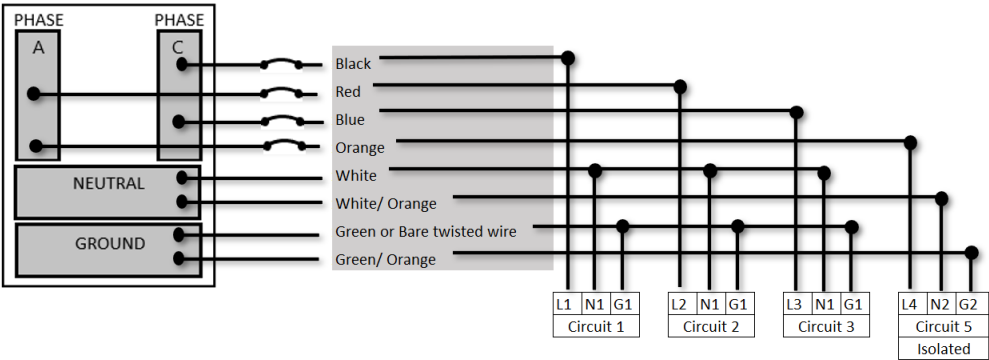


7G 7 Wire 3 circuit (2+1 Isolated Ground)

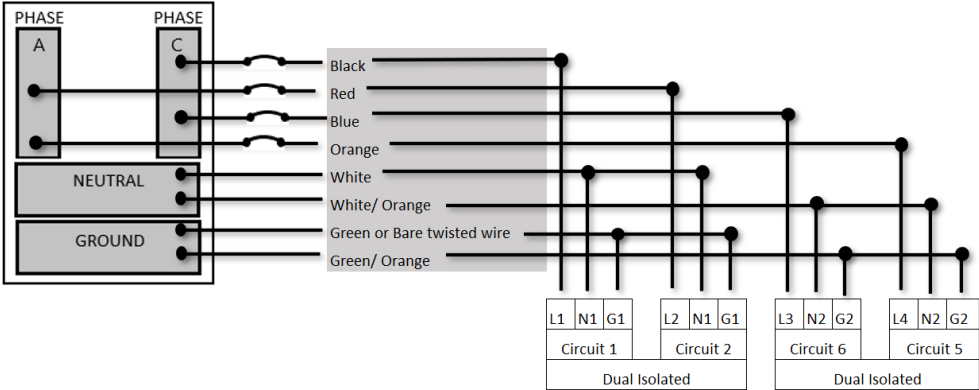


power data information for electricians (continued)

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



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



determining electrics & communications requirements

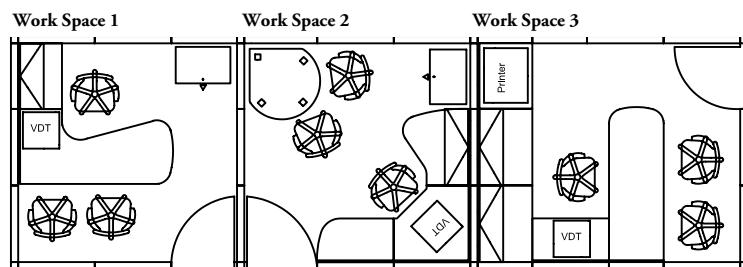
The following steps should be followed when determining electrical requirements.

- 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			

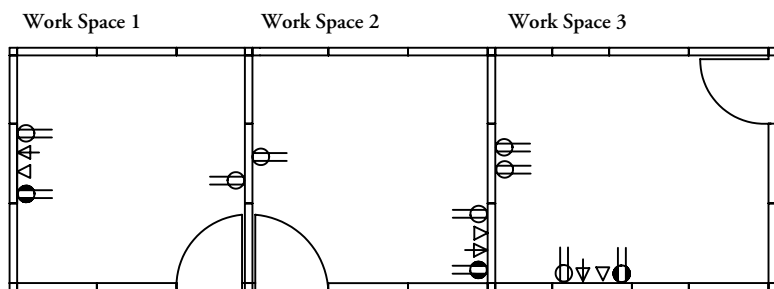


determining electrics & communications requirements (continued)

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			



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 (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 what's required by local codes. It is advised to consult with local electrician.

step 4:

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

step 5:

Translate electrics and communications requirements into appropriate Altos product

specifying altos electrics & communications

The following steps should be followed when specifying electrics.

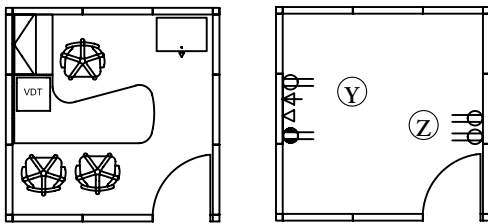
- The inside and outside elevations of one wall module can both be installed with Receptacle and/or Communications Modules
- Back-to-back installation of electrics and communications is possible due to offset mounting on Fascias

specifying method

1. Determine Fascia configuration and level of cut out

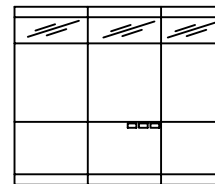
When power and/or communications is required, Altos Fascias must be specified with corresponding out-outs. Non-powered Fascias can be retrofitted with electrics and communications by ordering a single new Fascia with appropriate cut out(s) and required electrical components.

Work Space 1

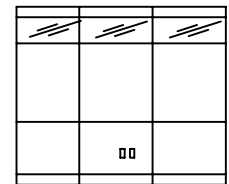


Legend

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



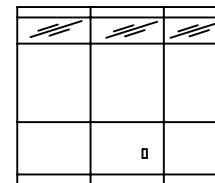
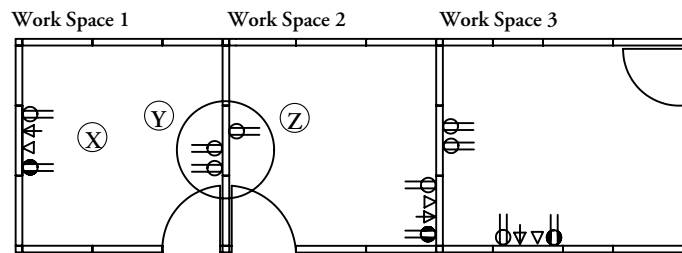
Y Elevation



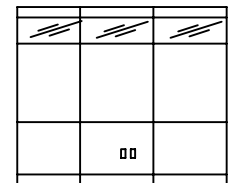
Z Elevation

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)



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

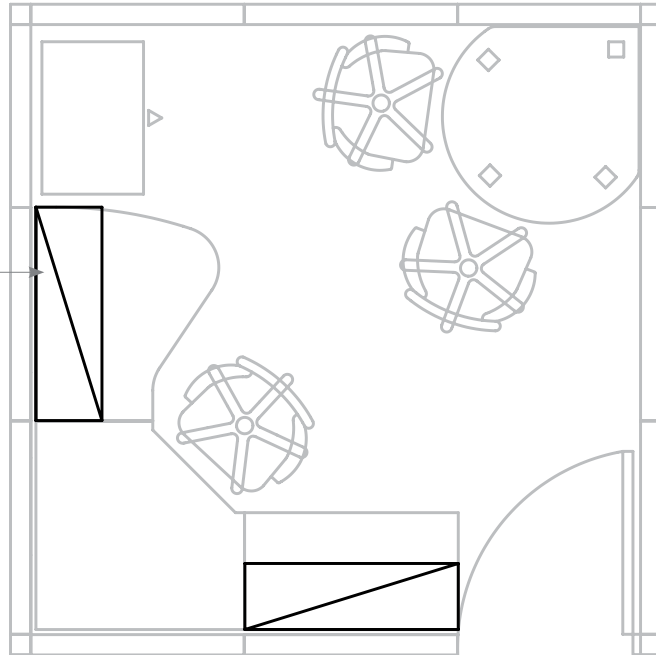
portrait – mounted storage & accessories

PLANNING WITH MOUNTED STORAGE	159
ACCESSORY BASICS	160
PLANNING WITH ACCESSORIES	160
LOAD RESTRICTIONS.	161

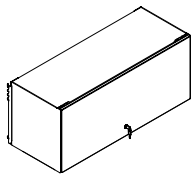
planning with mounted storage

A number of mounted storage products can be suspended on Altos Portrait walls. Mounted storage products conserve floor space and provide storage for materials.

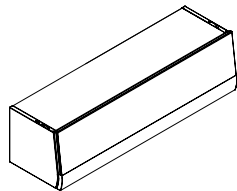
Overhead Cabinets are suspended by two brackets that hook into the Vertical Post Packages, so all applications must be on-module and span the width of the wall module



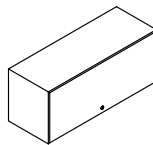
The following overheads are available for mounting to Altos Portrait (these overheads are not compatible with Altos Landscape):



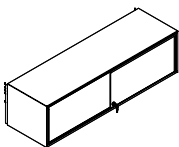
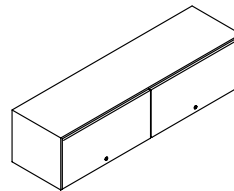
Standard Overhead Cabinet (LCSF)



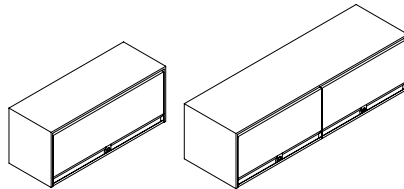
Ledger Overhead Cabinet (LUSF)



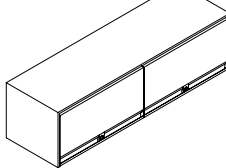
Ledger Flush-Front Cabinet (LSF)



Ledger Sliding Door Cabinet (LSSF)

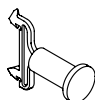


Ledger Full Pull Cabinet (SSF)



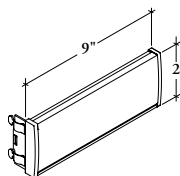
accessory basics

Altos Portrait offers the following mounted storage and accessory options.



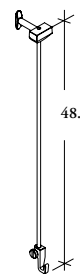
Coat Hook (FMCH)

- 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

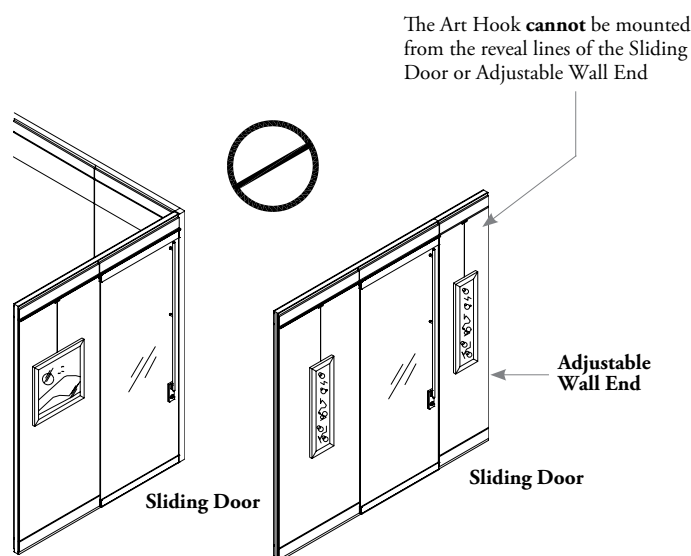


Art Hook (FMAH)

- 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

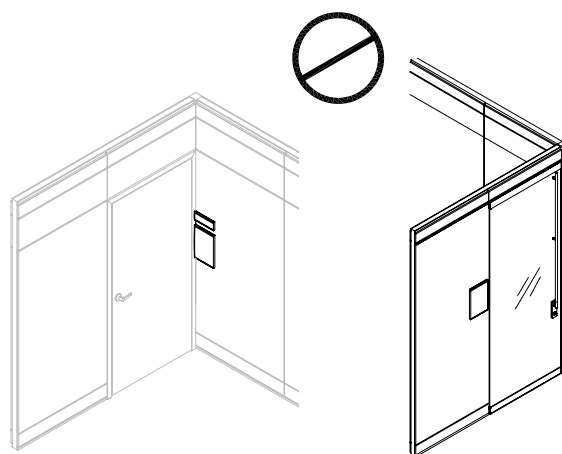
planning with accessories

The following rules apply when planning with accessories.



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

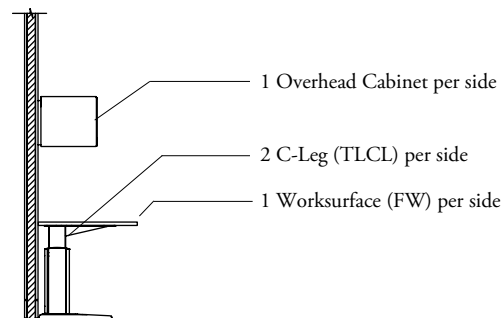
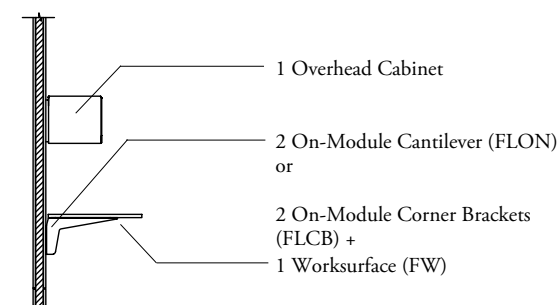
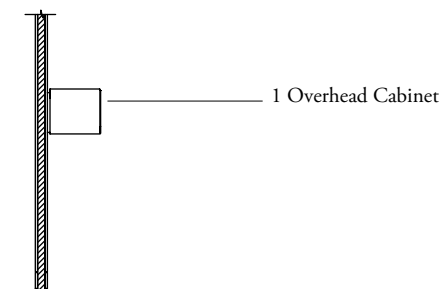
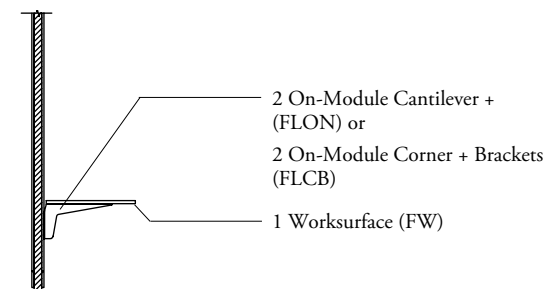


Office Signage (FMOS)

- **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

single-sided applications per portrait wall module

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



portrait – integration

portrait – integration

INTEGRATION OVERVIEW	165
PLANNING WITH WORKSURFACES	166
PLANNING WITH SUPPORTS	169

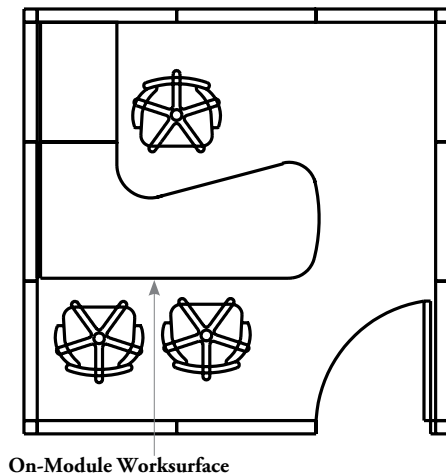
application guide

integration overview

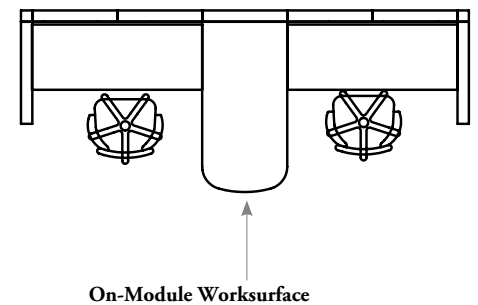
Altos Portrait integrates with other freestanding Teknion desking and table lines.

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

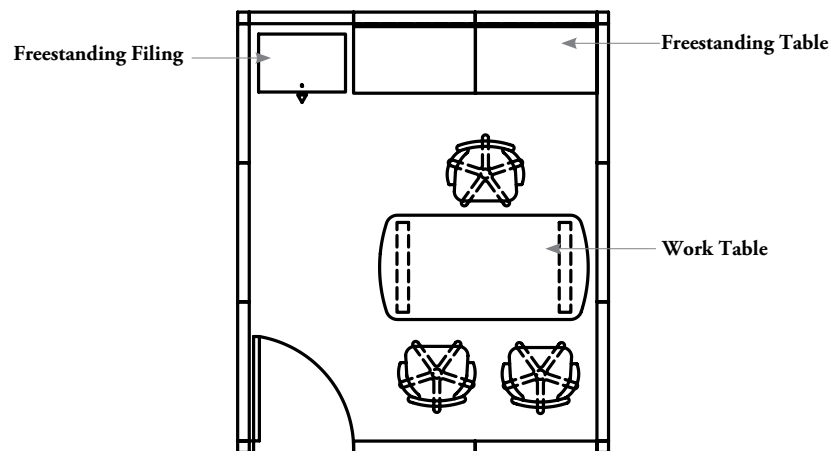
perpendicular to the wall



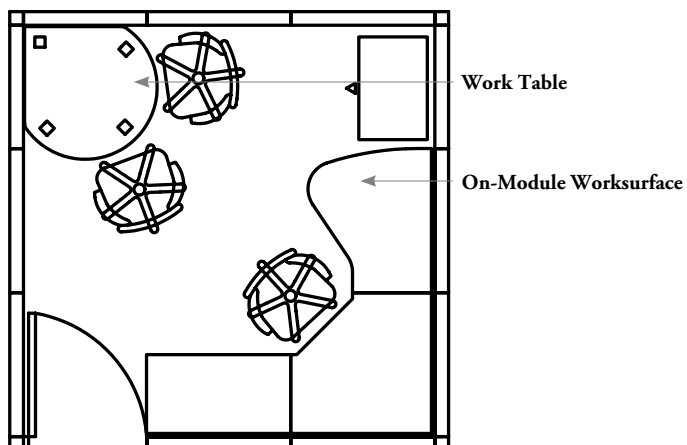
parallel to the wall



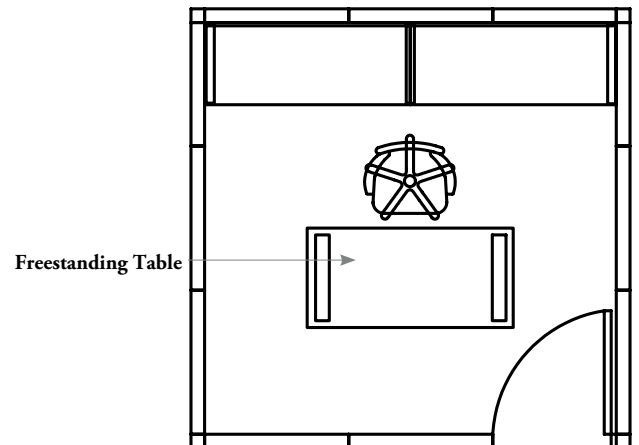
combination



in a corner



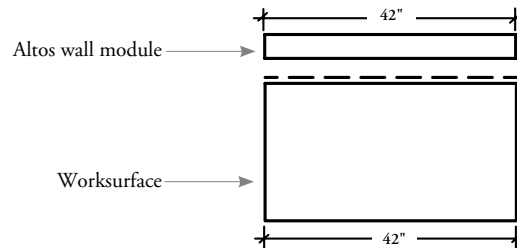
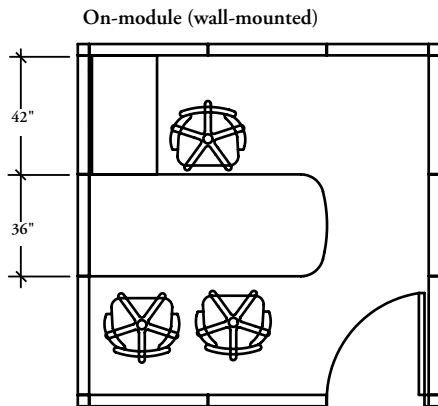
freestanding



planning with worksurfaces

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

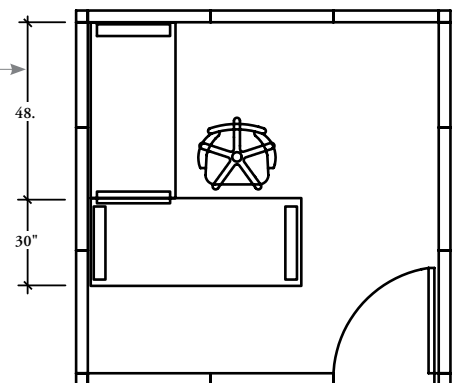
For typical seated working conditions, a 29" worksurface height above the finished floor is recommended. The 42" worksurface height is recommended for a standing-height worksurface.



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)

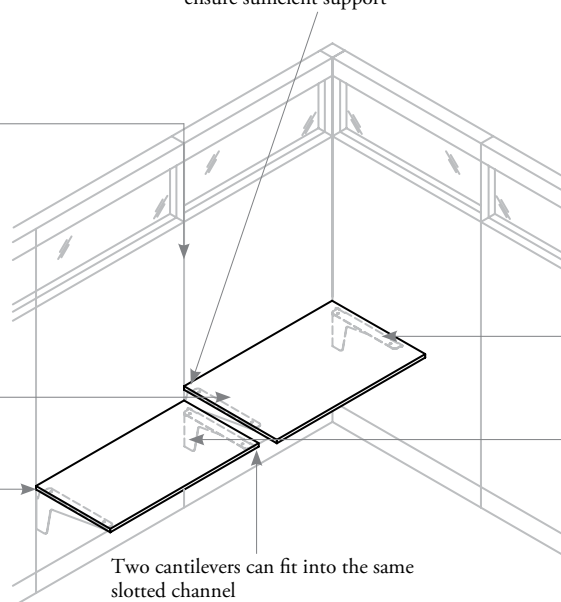


Specify one On-Module Cantilever (FLON) for each worksurface where height changes are greater than 1" to ensure sufficient support

- 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

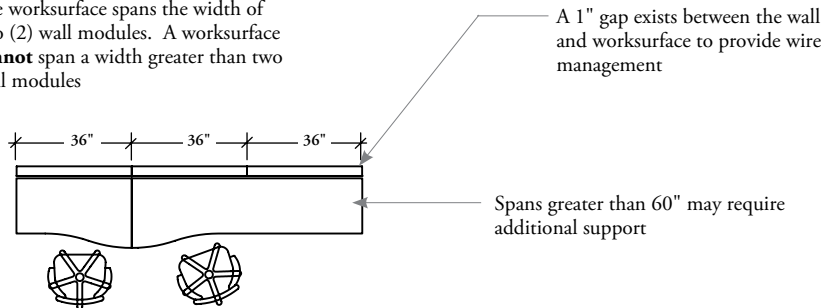
On-Module Cantilever

planning with worksurfaces (continued)

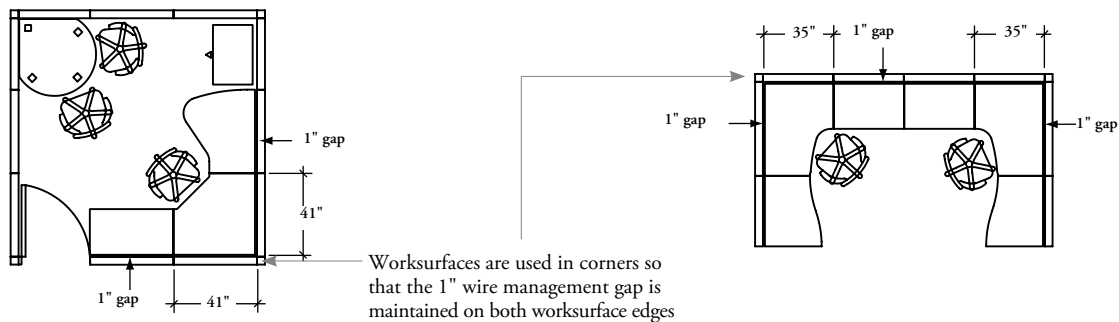
The following should be taken into consideration when planning with worksurfaces.

parallel applications

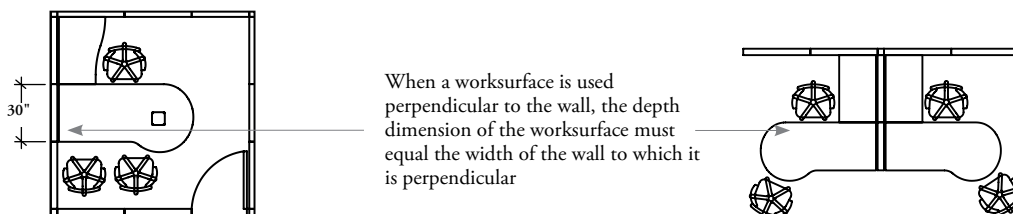
The parallel applications width of the worksurface must be the same as the width of the corresponding wall module – the only exception is where one worksurface spans the width of two (2) wall modules. A worksurface **cannot** span a width greater than two wall modules



corner applications



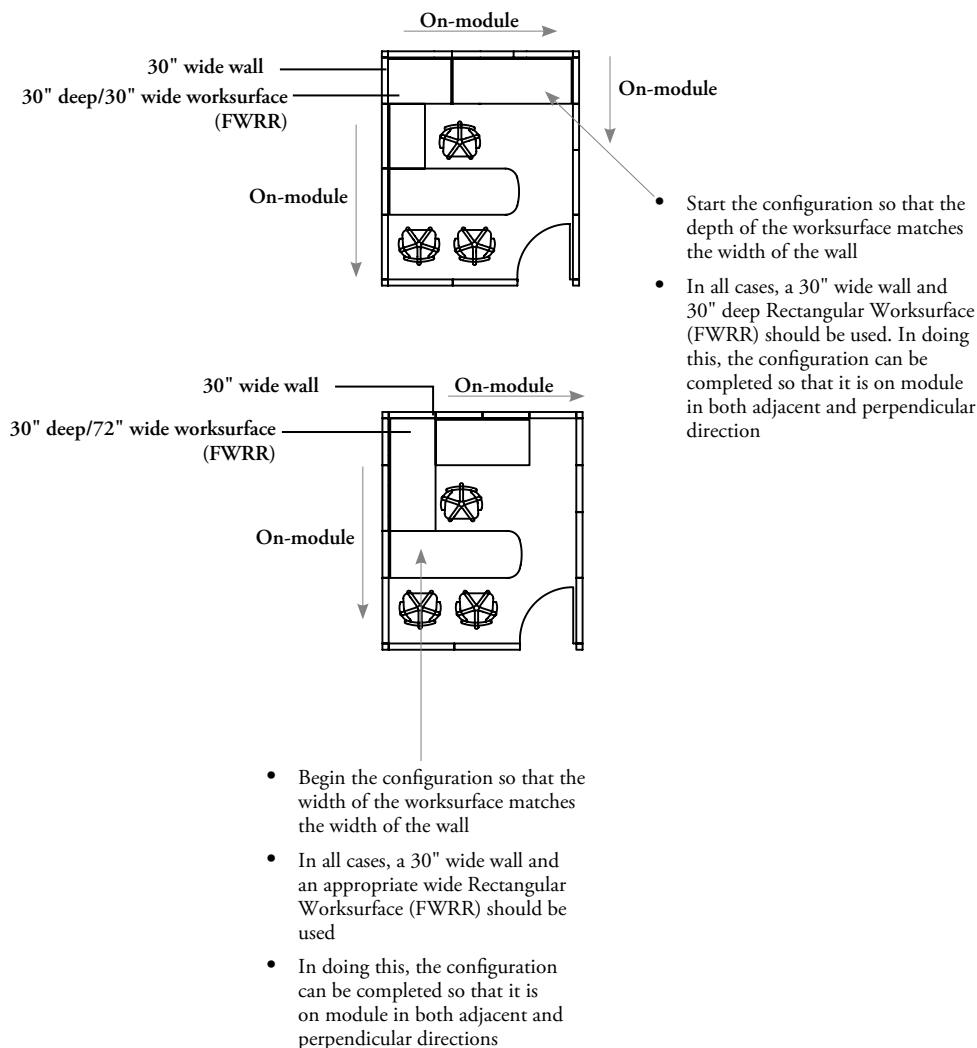
perpendicular applications



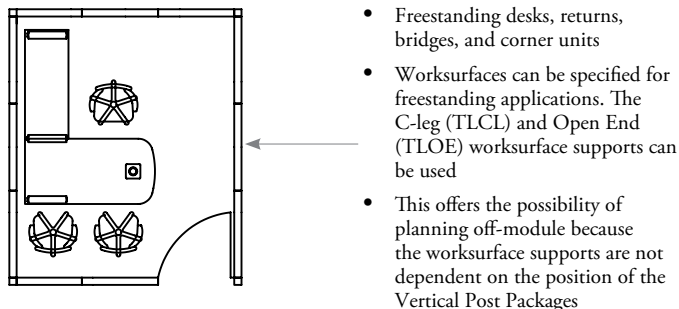
planning with workspaces (continued)

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

u-shaped configurations

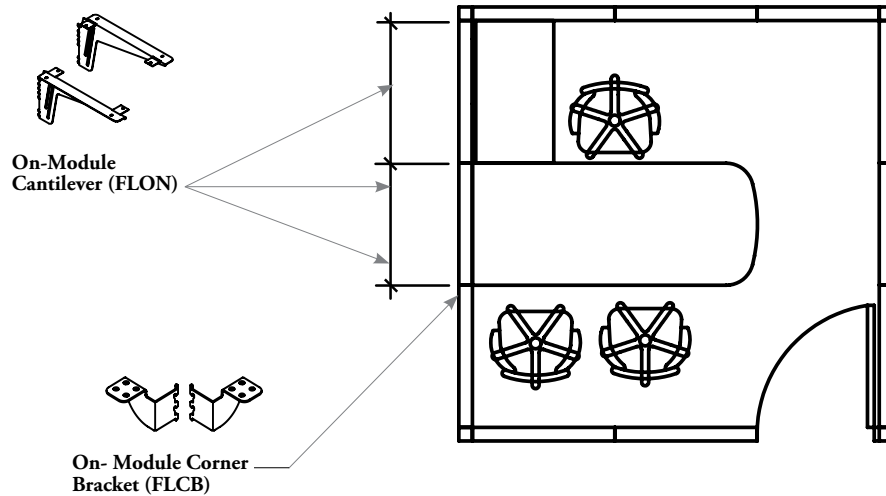


freestanding configurations



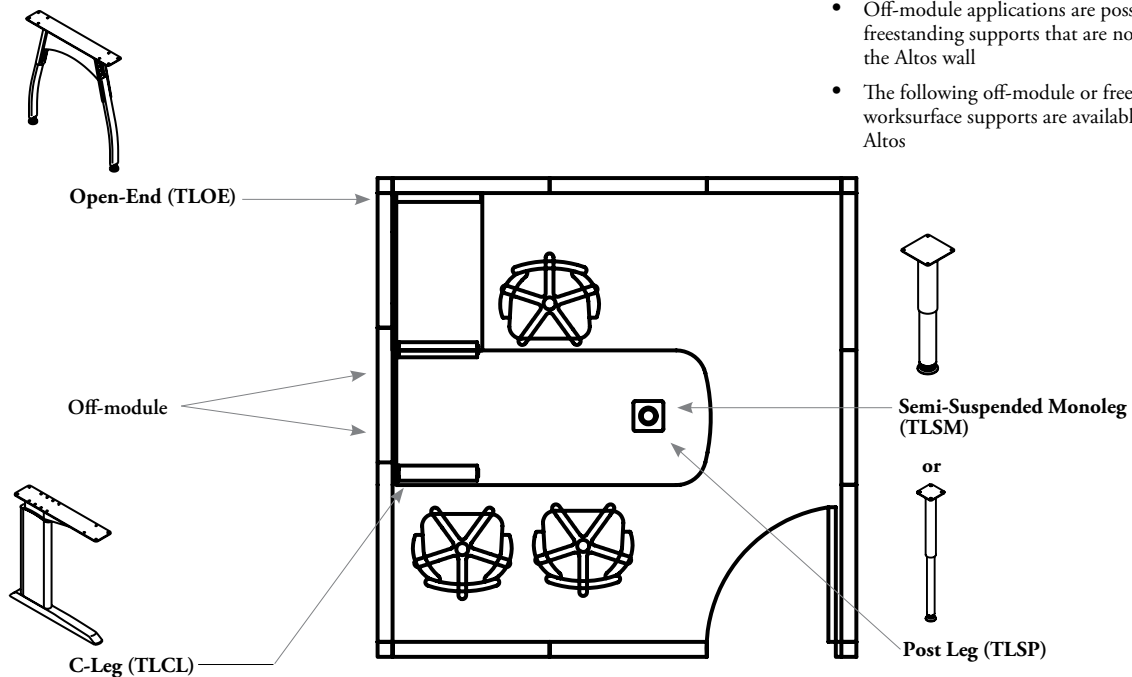
Two workspaces supports are available for mounting on- module surfaces to Altos; the On- Module Cantilever (FLON) and the On- Module Corner Bracket (FLCB).

on-module supports



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

off-module supports

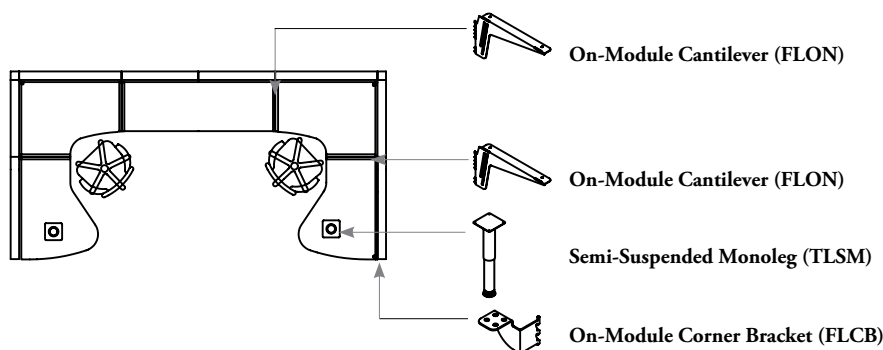
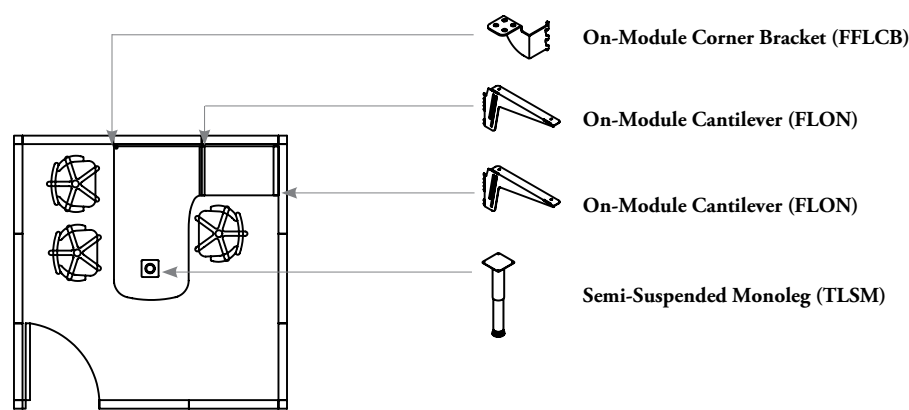


- Off-module applications are possible using freestanding supports that are not attached to the Altos wall
- The following off-module or freestanding worksurface supports are available for use with Altos

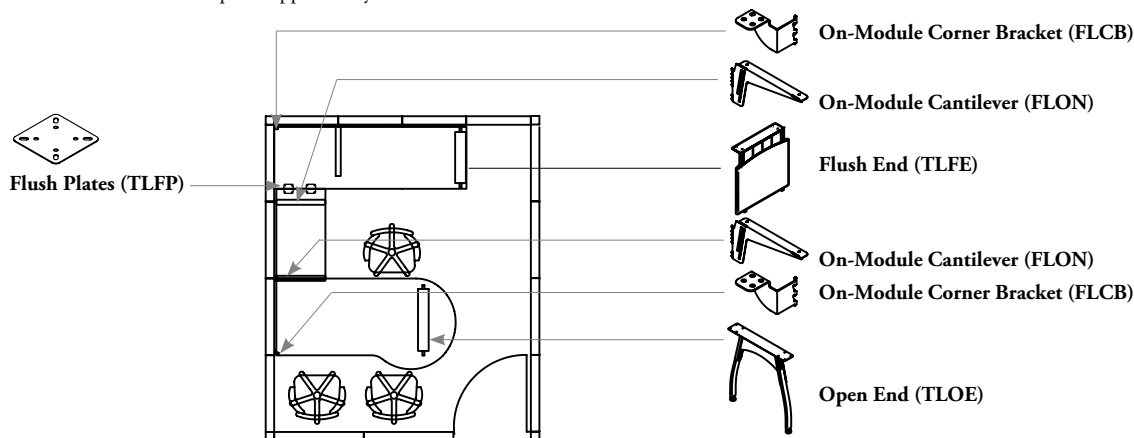
planning with supports (continued)

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.



Wall-mounted worksurfaces require support every 60".



understanding landscape

understanding landscape

OVERVIEW – LANDSCAPE 174

PLANNING POSSIBILITIES – ENCLAVES – LANDSCAPE 175

PLANNING POSSIBILITIES – OFFICE – LANDSCAPE. 179

PLANNING POSSIBILITIES – MEETING ROOM – LANDSCAPE . . . 180

PLANNING POSSIBILITIES – STOREFRONT – LANDSCAPE 181

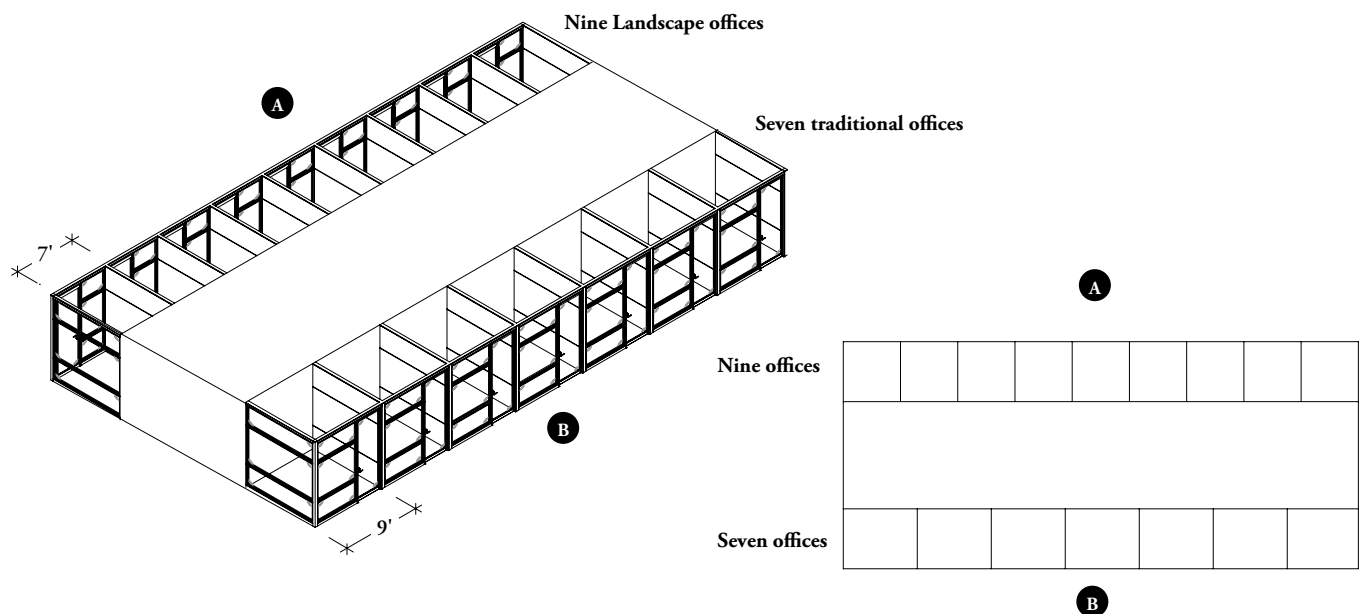
overview – landscape

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.



planning possibilities – enclaves – landscape

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

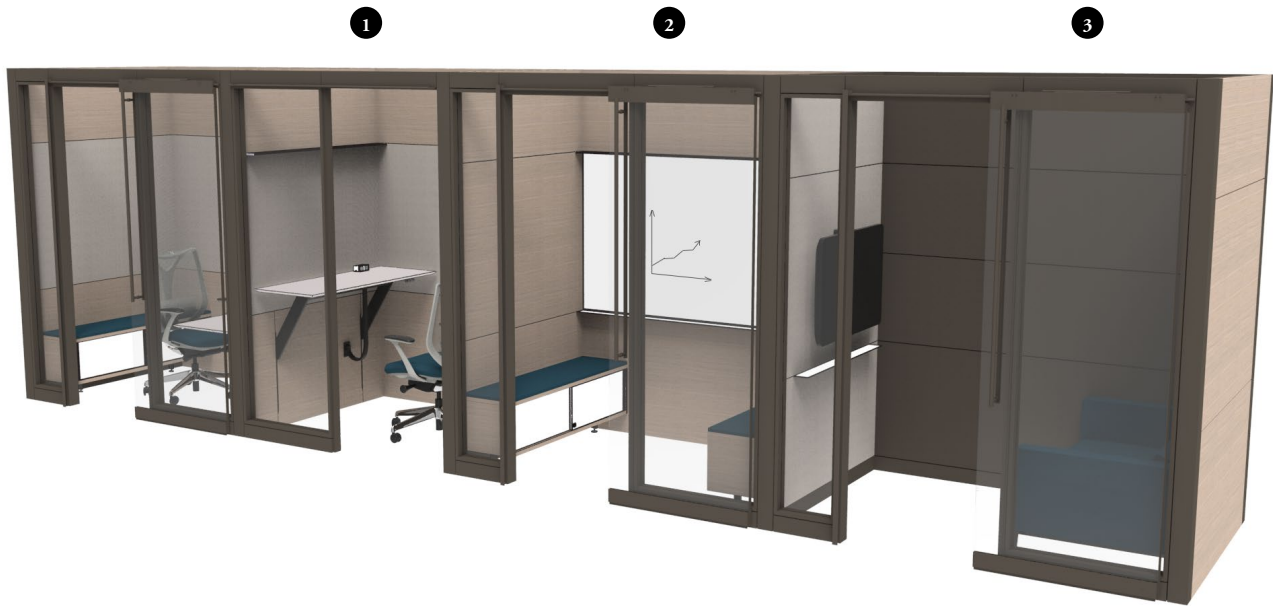
enclaves

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

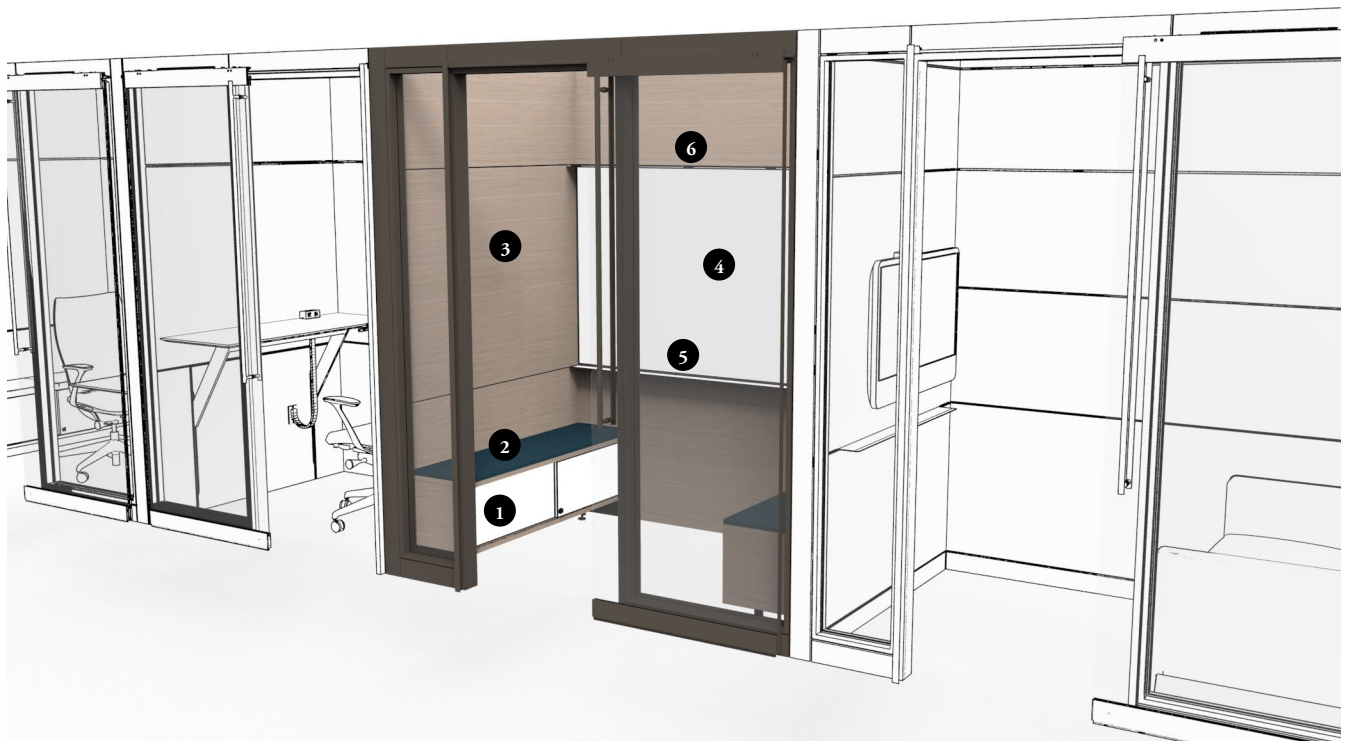
- Ideal as a two person collaborative space
- Backpainted Markerboard and Tray provides functionality for brainstorming and project planning
- Landscape Wall-Mounted Light above Markerboard can be specified with adjustable task lighting for the necessary work style required

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

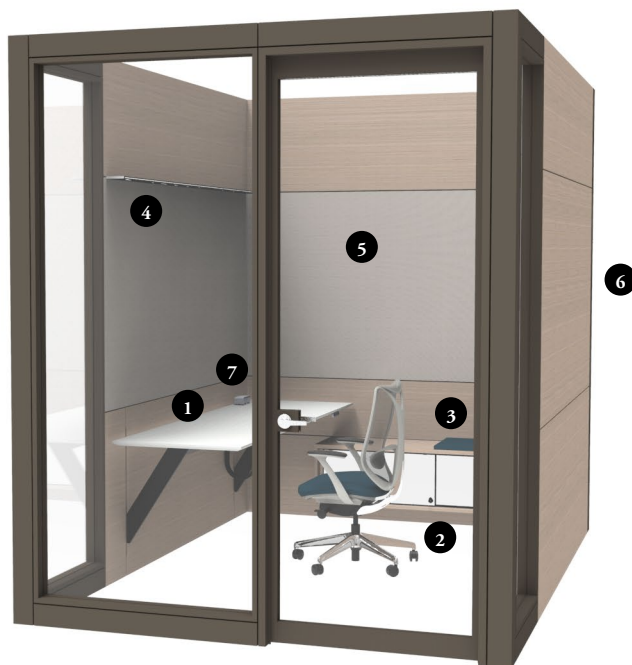
- Landscape's wall-integrated Office format makes more efficient use of available space while maintaining acoustic isolation
- Fixed or non fixed address applications for one to three people
- Can be planned with a footprint as small as 7' x 9'

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

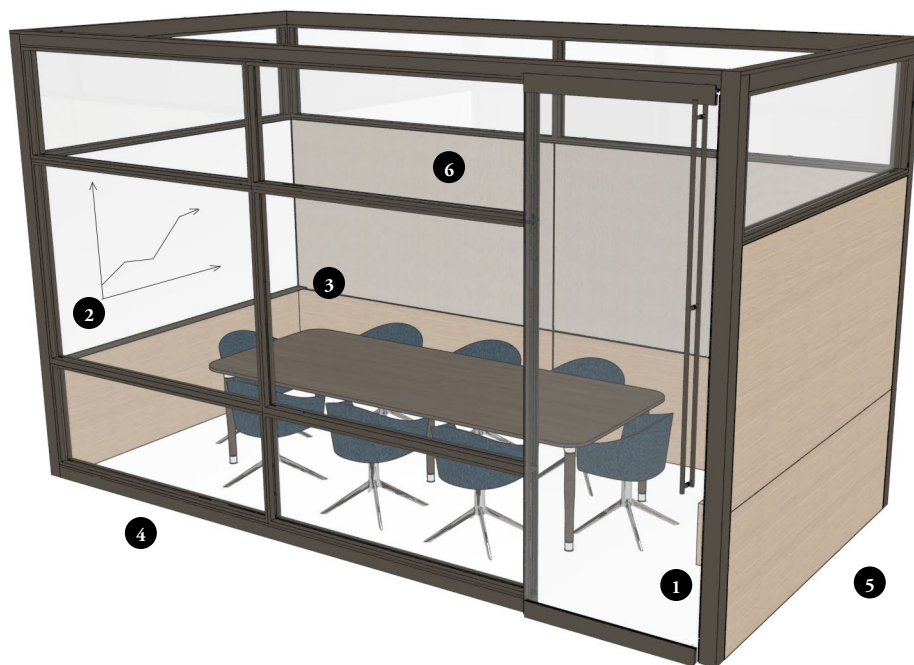
- Large environments are optimized for boardroom meetings, educational training sessions or special events
- Ideal for five to twenty people depending on layout
- Maximum wall run for Landscape fascias is 16' when planning with shelving or Wall-Mounted Light
- Landscape's variety of functional fascias 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	185
FASCIA ELEVATION OVERVIEW – LANDSCAPE	186
FASCIA ELEVATION BASICS – LANDSCAPE	187
JUSTIFIED FASCIA OVERVIEW – LANDSCAPE	188
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PLANNING WITH FASCIAS – LANDSCAPE	197
PLANNING WITH FASCIA WIDTHS – LANDSCAPE	199
PLANNING WITH ACOUSTIC TACKABLE &FABRIC WRAPPED FASCIAS – LANDSCAPE	200
GLASS FASCIAS ABOVE 84"H – LANDSCAPE	201
PLANNING WITH GLASS FASCIA ABOVE 84" H - LANDSCAPE . . .	202
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ALUMINUM FASCIA KIT BASICS – LANDSCAPE	205

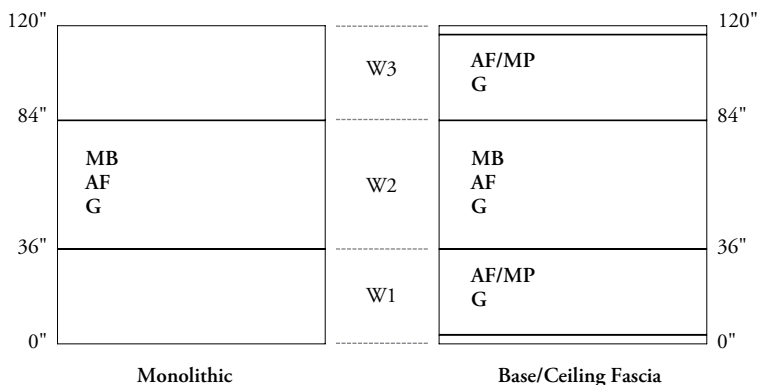
understanding fascias – landscape

Landscape Fascias can be planned in six elevations for various datum combinations.

The following chart outlines the Landscape elevations offered.

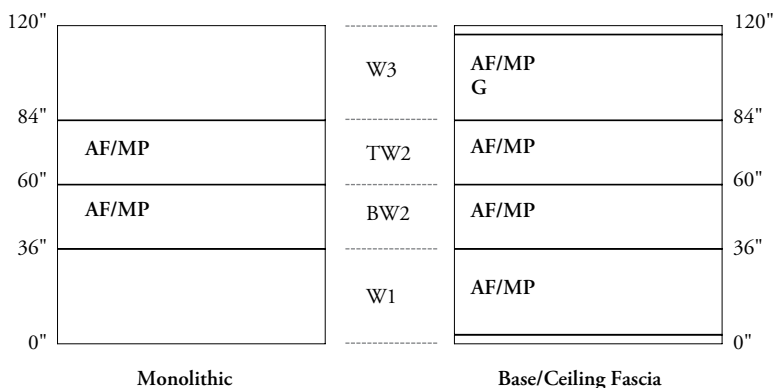
Standard Working Wall

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



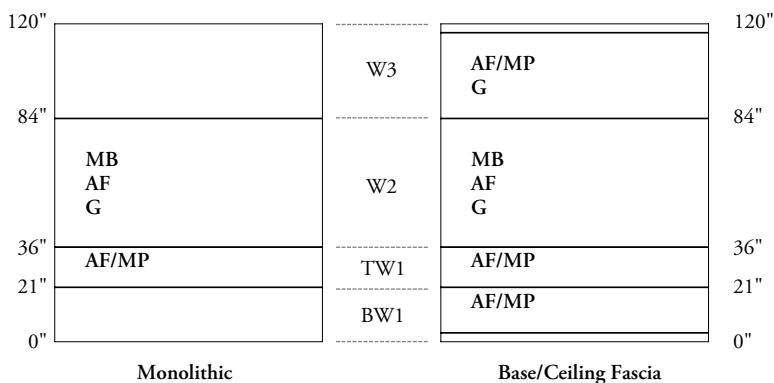
Light Working Wall

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



Cabinet Working Wall

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



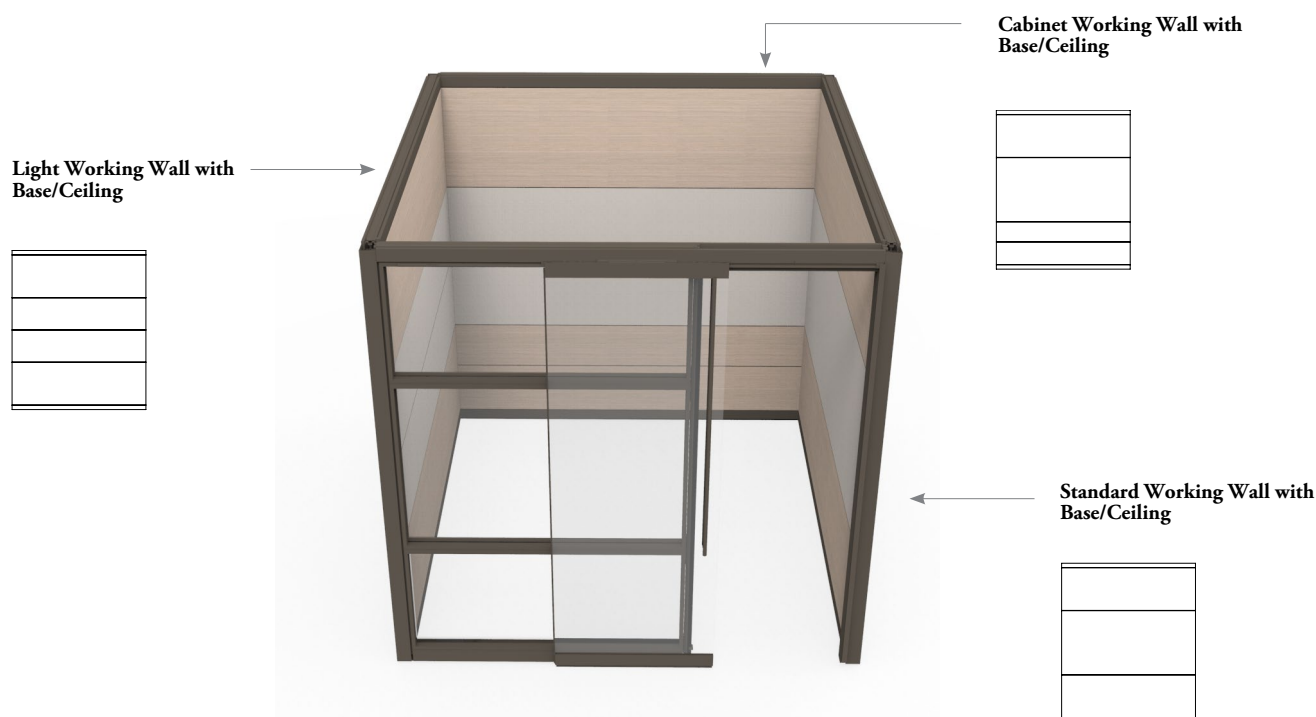
Legend:

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



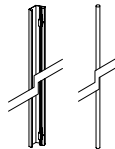
Altos Landscape works with some Altos Portrait components to create a complete wall solution. For full details on these components, refer to the Altos Portrait section.

Also available but Not Shown:



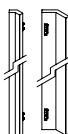
Two-Way 90° Corner Cover (FKCN90)

Provides the full-height trim for two walls connected at 90° at Two-Way Connection 90° Corner



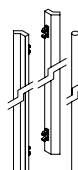
Two-Way 120° Corner Cover (FKCN120)

Provides the full-height trim for two walls connected at 120°



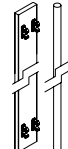
Two-Way 135° Corner Cover (FKCN132)

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°

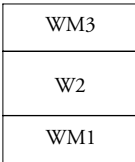
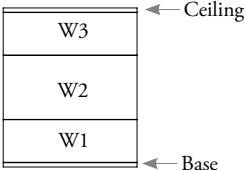
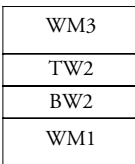
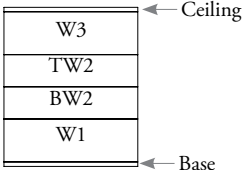
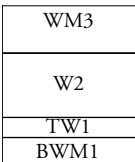
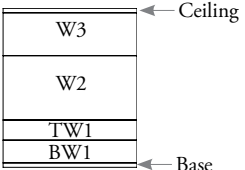


Three-Way 180° Corner Cover (FKCN180)

Provides the full-height trim for three walls connected at 180°

fascia elevation basics – landscape

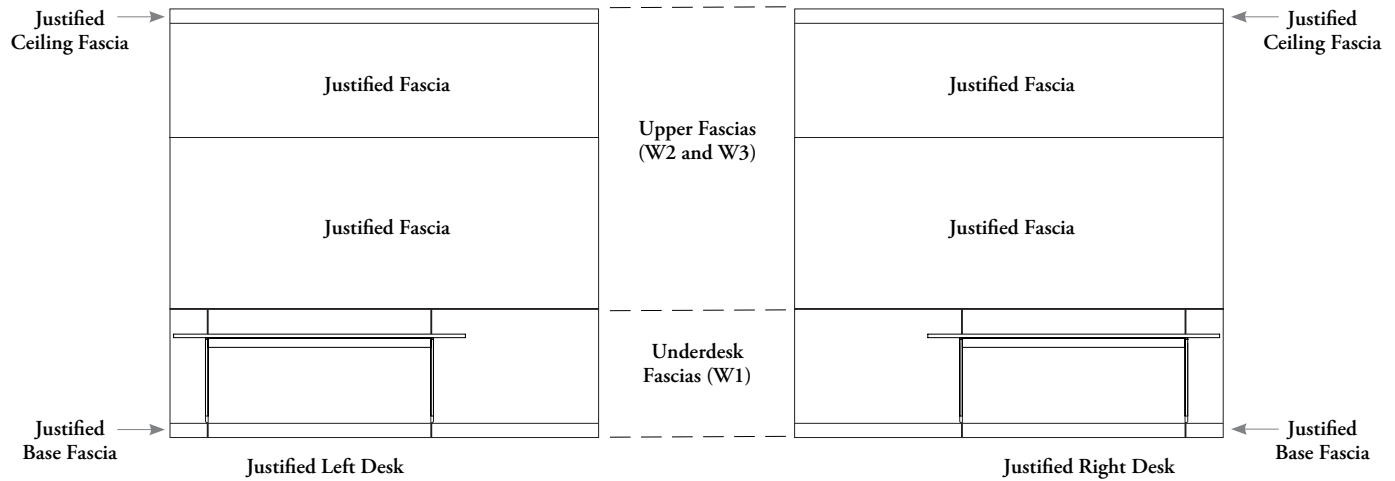
Altos Landscape fascia options include Solid, Glass, Markerboard, Fabric-Wrapped, Acoustic Tackable Fabric, and Acoustic Metal Micro Perforated. Fascias can be reconfigured to other fascia types after installation without modifying the interior wall structure.

Landscape Arrangement	Fascias Available
Standard Working Wall Monolithic 	• WM3 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 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 FLWM3 and FLRWM3 are 12 - 36" high in 1" increments to accommodate ceiling height • TW2 FLTW2, FLRTW2, FLATTW2, FLMPW2 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 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, FLMPW2 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 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, FLMPW1 and FLMBTW1 are 15" high • BWM1 FLBWM1 and FLRBWM1 are 21" high
Cabinet Working Wall Base/Ceiling 	• 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, FLMPW1 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

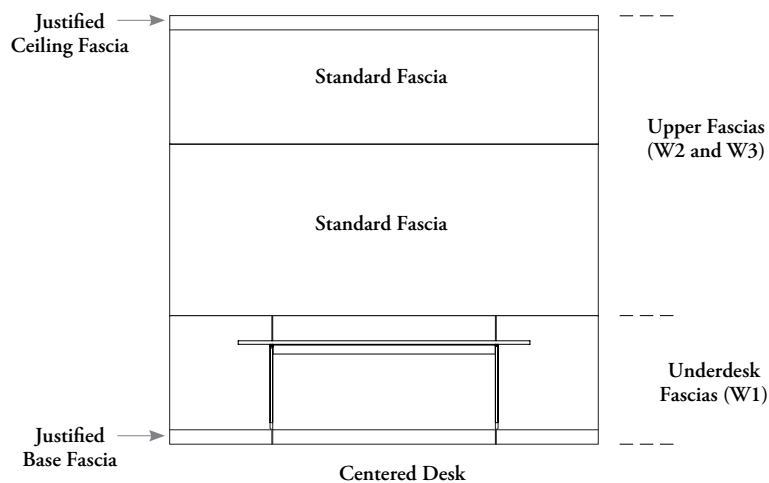
justified fascia overview – landscape

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.



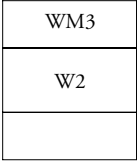
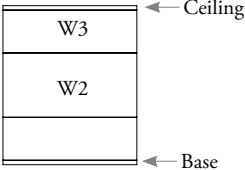
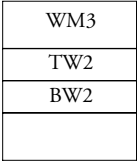
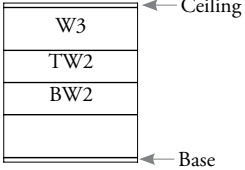
When a desk is centered on the wall module use standard Landscape fascias above the desk, except the ceiling and base fascia which must be justified.



justified 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.

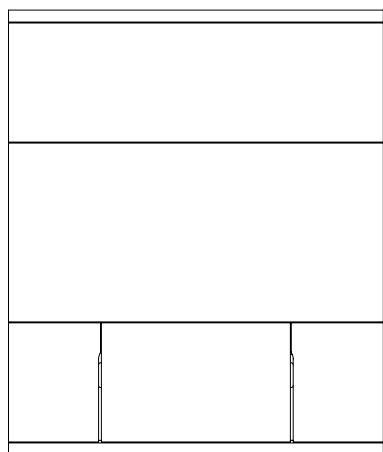
Landscape Arrangement	Fascias Available
Working Wall Monolithic 	• WM3 FLJWM3 and FLJRWM3 are 12 - 36" high in 1" increments to accommodate ceiling height • W2 FLJW2, FLJRW2, FLJATW2, FLJMWN and FLJMMF are 48" high
Working Wall Base / Ceiling 	• Ceiling: FLJC is 4" high and available in Solid, Fabric 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

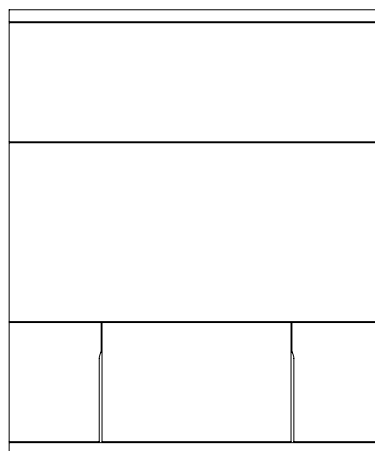
Landscape Fixed Desk Fascia



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



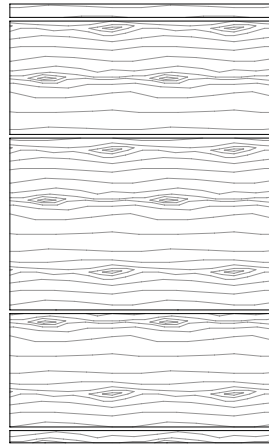
Landscape Height-Adjustable Desk Fascias (FLDHW1, FLDHWM1)

- Accommodates 28" - 44" high Height-Adjustable Desk range
- Desk Fascia shown combined with Base Fascia

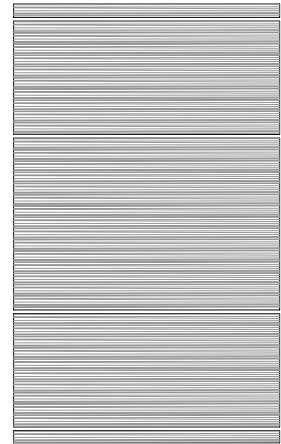
fascia finishes – landscape

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



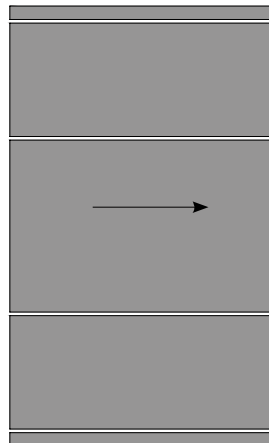
The illustration above demonstrates the grain direction of Cathedral Flintwood finishes for fascias.



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

Fabric Wrapped Fascias

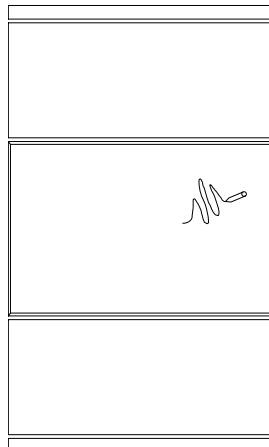
- Available in 12" - 120" wide nominal in 1/8" increments
- Fabric Wrapped fascias provide a frameless fabric finish
- Available on the 4" base and ceiling fascias
- Accepts electrical boxes and switches
- Available in select Panel Fabrics
- Upholstery fabrics are not available
- Fabric direction is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



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

Markerboard Framed Fascias

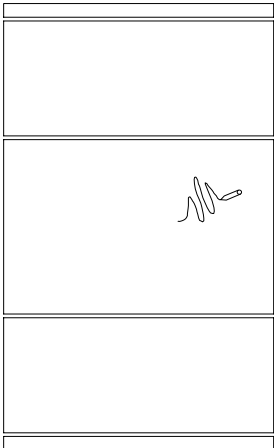
- Available 12" - 118" wide nominal in 1/8" increments
- Available magnetic or non-magnetic
- Frame Finishes include:
 - Anodized
 - Painted
 - Soft Black
 - Platinum
 - Warm Nickel
 - Mulled Wine
 - Boreal
 - Ocean Abyss
- Available only in W2 location on Working Wall and Cabinet Working Wall
- Electrical 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)

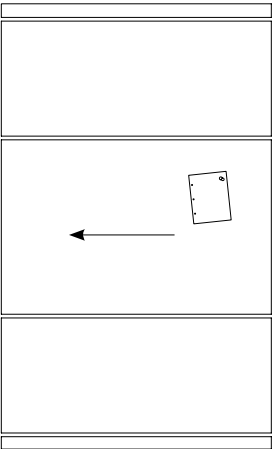
Markerboard Frameless Fascias

- 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

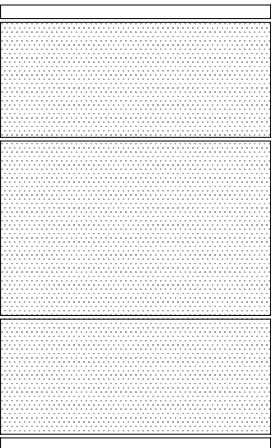
- High performance acoustic and tackable fabric fascia used within a space to absorb excess noise
- Available 48" high and 12" – 120" wide nominal in 1/8" increments
- Acoustic Tackable Fascias provide a frameless fabric finish
- Electrical boxes and switches are not available on Acoustic Tackable Fascias
- 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

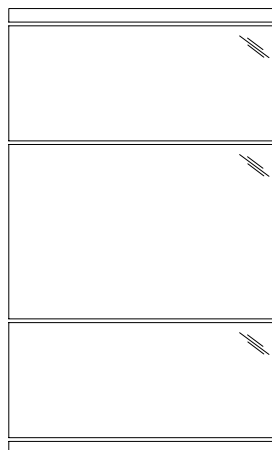
- High performance acoustic and tackable metal fascia used within a space to absorb excess noise
- Available 12" - 96" wide nominal in 1" increments
- Available magnetic
- Electrical boxes and switches are not available on Micro Perforated fascias
- Available in painted finishes:
 - Soft Black
 - Platinum
 - Warm Nickel
 - Mulled Wine
 - Boreal
 - Ocean Abyss
- Optional sheet metal backer can be specified to improve STC rating



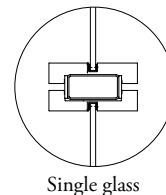
fascia finishes – landscape (continued)

Glass Fascias - Single

- Available in 6mm Glass
- Glass Fascias are available in Square Profiles
- Available 12" - 48" high in 1" increments
- Available 12" - 96" wide nominal in 1/8" increments
- Glass Options: Tempered or Laminated
 - Tempered Glass Finish: Clear
 - Laminated Glass Finish: Clear, 80% Cool White, 65% White
- Frame Finishes include
 - Anodized
 - Painted
- Electrical boxes and switches are not available on glass fascias.



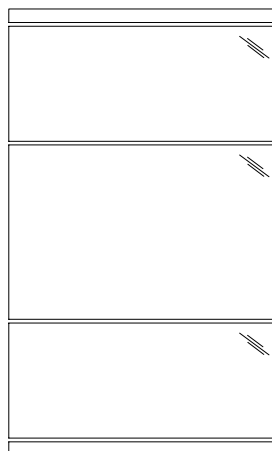
Section of square profile glass fascia



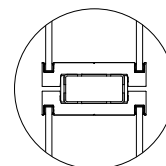
Single glass

Glass Fascias - Double

- Available in double layer of 6mm Glass
- Glass Fascias are available in Square Profile
- Available 12" - 48" high in 1" increments
- Available 12" - 96" wide nominal in 1/8" increments
- Glass options: Tempered
 - 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
- Frame Finishes include
 - Anodized
 - Painted
- Electrical boxes and switches are not available on glass fascias.



Section of square profile glass fascia



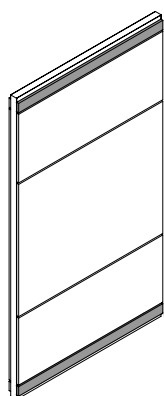
Double glass

fascia finishes – landscape (continued)

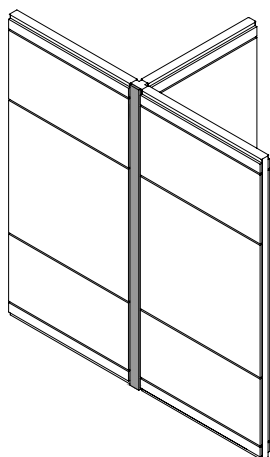
The following finishes are available on Altos Landscape.

aluminum fascias

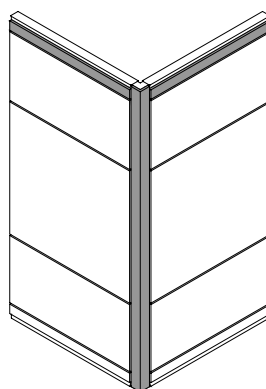
- Available on the 4" base and ceiling fascias
- Available on most corner, straight and articulating connectors
- Applies to the Landscape Aluminum Fascia Kit (FLFK)
- Coordinates with framed markerboard and glass fascia frames
- Finish options:
 - Anodized
 - Painted
 - Soft Black
 - Platinum
 - Warm Nickel
 - Mulled Wine
 - Boreal
 - Ocean Abyss



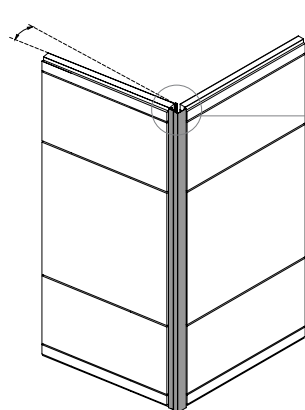
4" Base and Ceiling Fascia



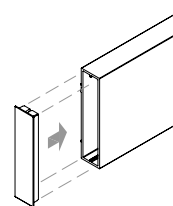
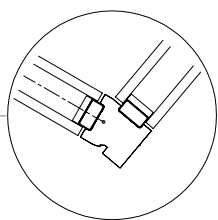
Three-Way 180°



Two-Way 90°



Articulating Corner



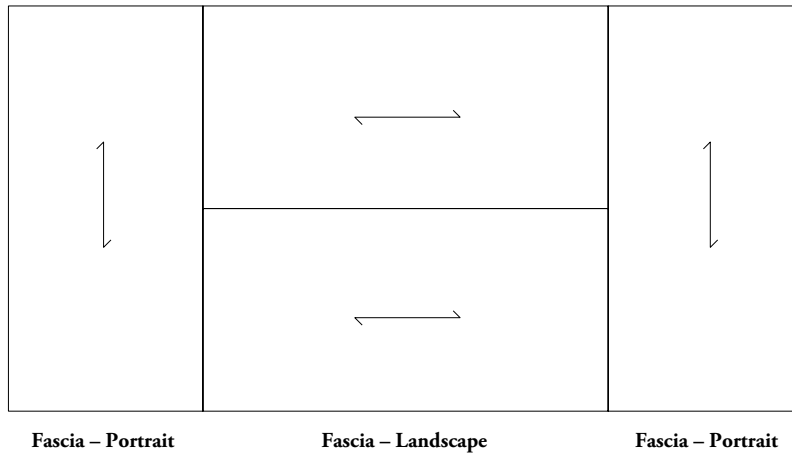
Aluminum

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

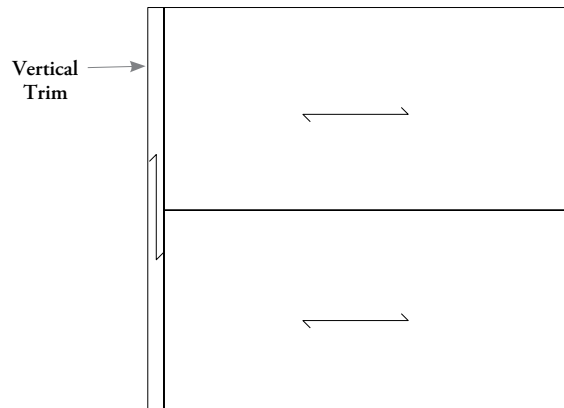
fascia finishes – landscape (continued)

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.



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.

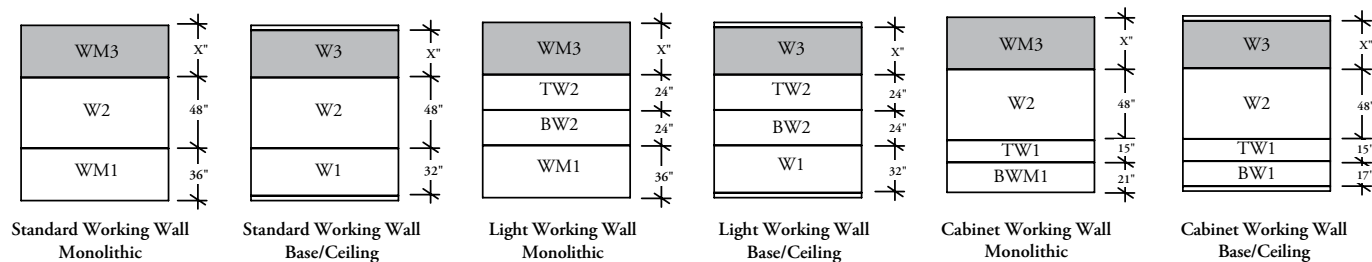


←→ Grain / Fabric Direction

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".



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				n/a	n/a					n/a	n/a	n/a					
FLAT_	Acoustic Tackable																	
FLMP_	Micro Perforated Sheet Metal		n/a															
FLMB	Sheet Metal Backer																	
FLMWN_	Markerboard Frameless	n/a	48	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a							
FLMMF_	Markerboard Framed																	
FLGC_	Glass Single	12-48																
FLGD_	Glass Double																	
FLDF_	Fixed Desk	32	n/a	n/a	36	n/a						n/a	n/a	n/a	n/a	n/a		
FLDH_	Height-Adjustable Desk																	
FLJ_	Justified Solid	n/a	48	8-32	n/a		8-36	n/a	n/a	24	24						n/a	
FLJR_	Justified Fabric Wrapped						n/a											n/a
FLJAT_	Justified Acoustic Tackable																	
FLJMP_	Justified Micro Perforated																	
FLJMB	Justified Metal Backer		48	n/a	n/a	n/a	n/a			n/a	n/a	n/a						
FLJMWN	Justified Markerboard Frameless																	
FLJMMF	Justified Markerboard Framed																	

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

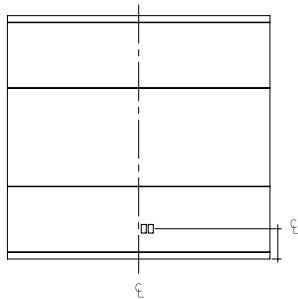
planning with fascias – landscape

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

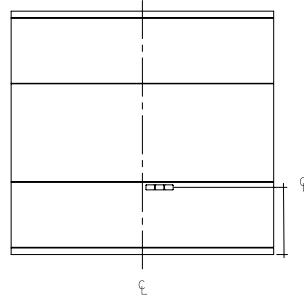
15" Height – Vertical Cut Out



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

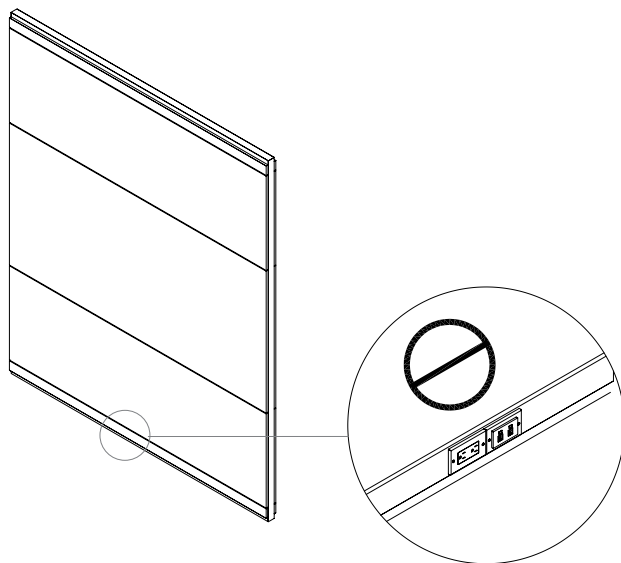
15" Above finished floor to center-line of cut out

33" Height – Horizontal Cut Out



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

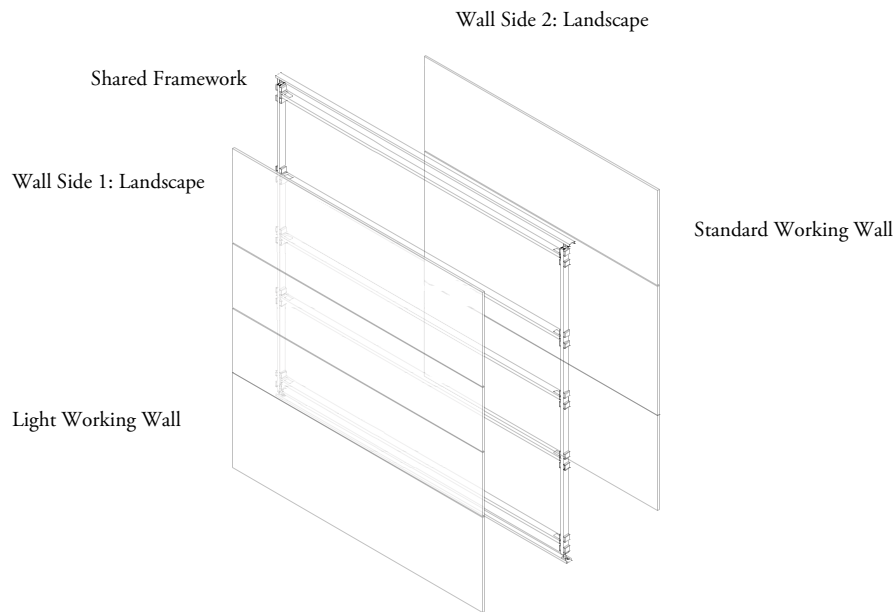
33" above finished floor to center-line of cut out



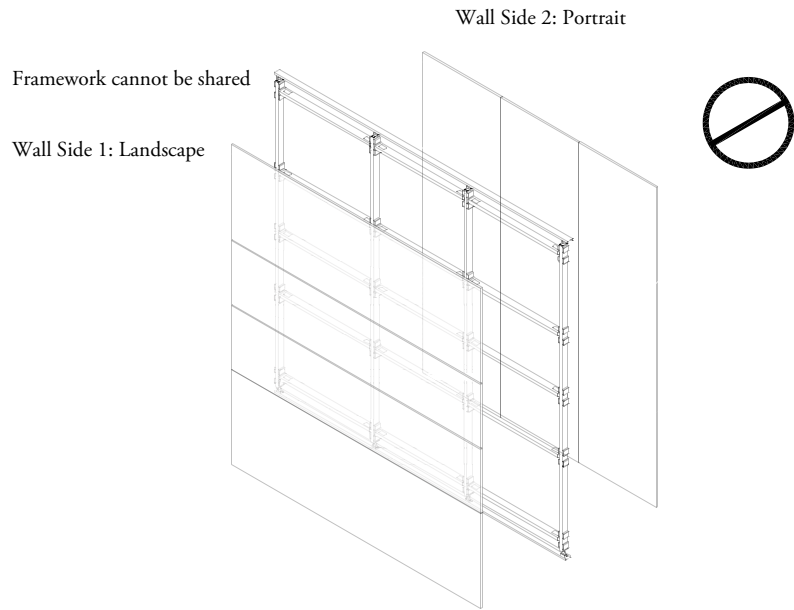
- Power or communication cannot be mounted on the base fascia position with Altos Landscape

planning with fascias – landscape (continued)

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



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



planning with fascia widths – landscape

Landscape fascia widths can be planned strategically to optimize reconfigurability and aesthetic.

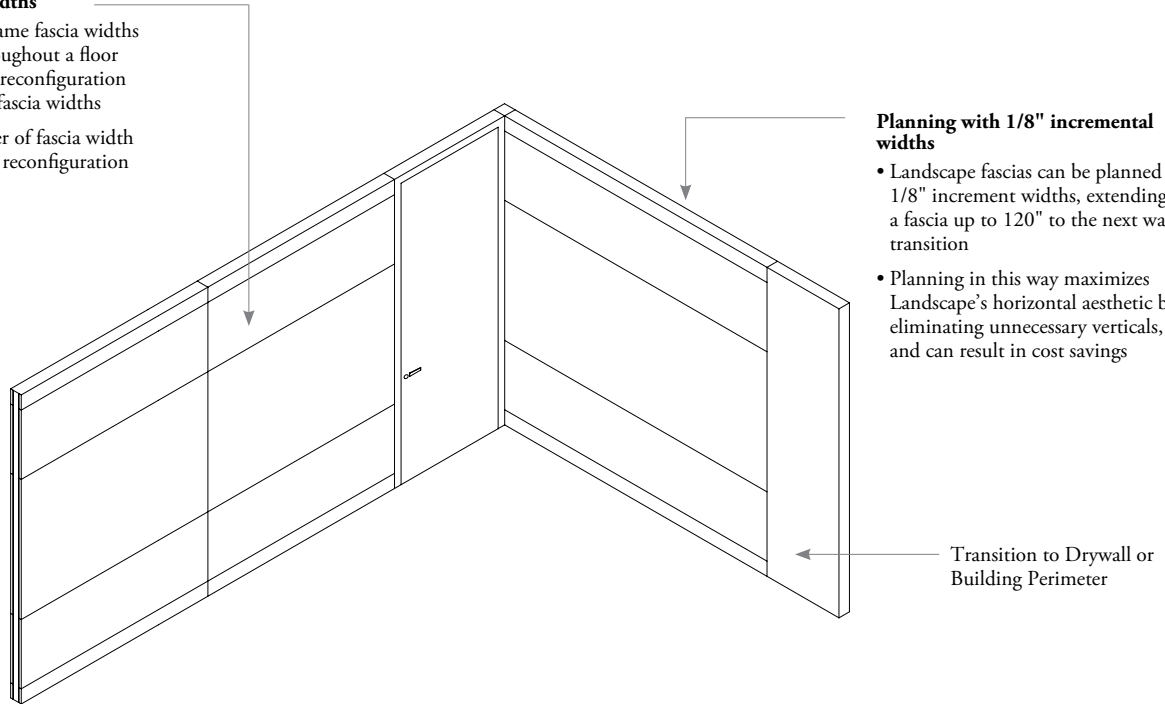
Landscape fascias can be planned with consistent fascia widths for future reconfiguration, or with varying fascia widths to maximize horizontal aesthetic.

Consistent Fascia widths

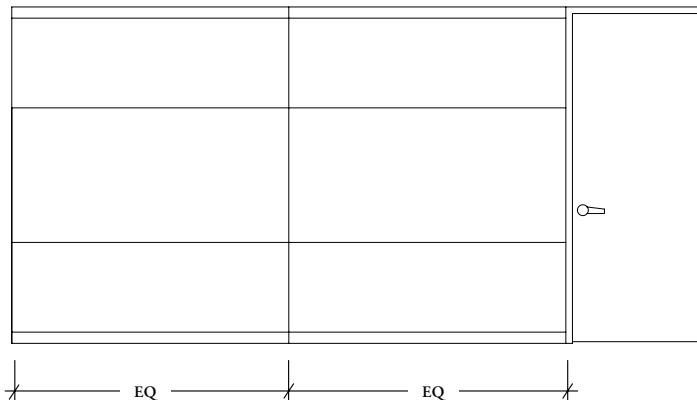
- Planning with the same fascia widths in a kit of parts throughout a floor plate accommodate reconfiguration better than varying fascia widths
- Limiting the number of fascia width variations simplifies reconfiguration and planning

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



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.

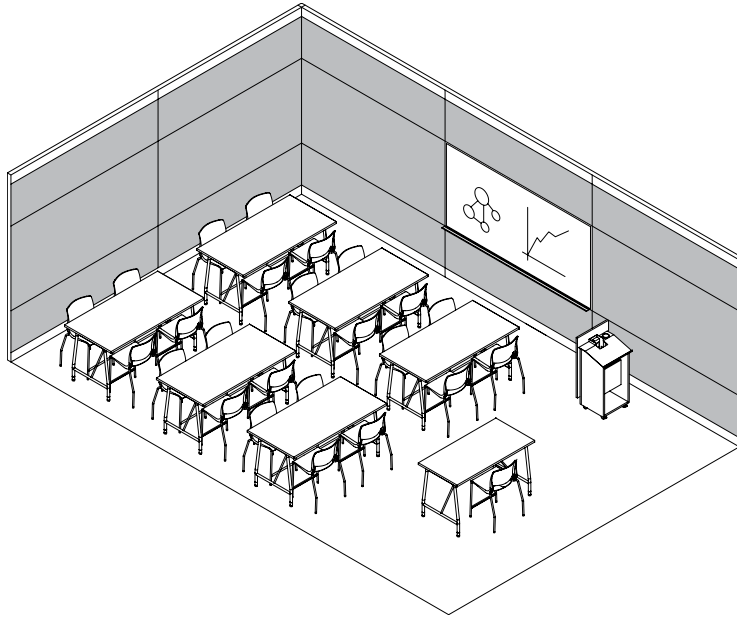


planning with acoustic tackable & fabric wrapped fascias – landscape

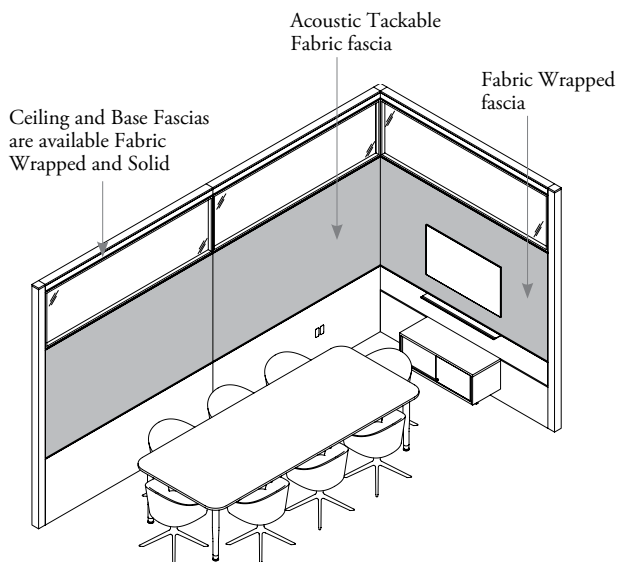
Acoustic and Fabric Wrapped Fascias can be used in a variety of applications including training rooms, meeting rooms and private offices.

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

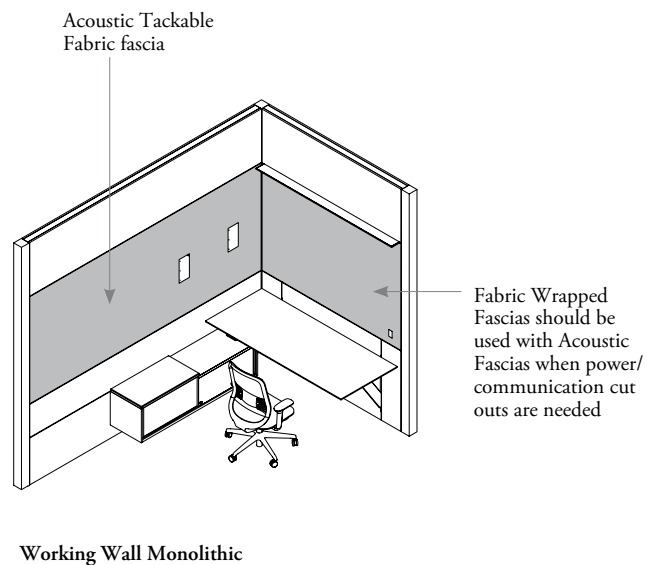
training room



meeting room



private office



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:**

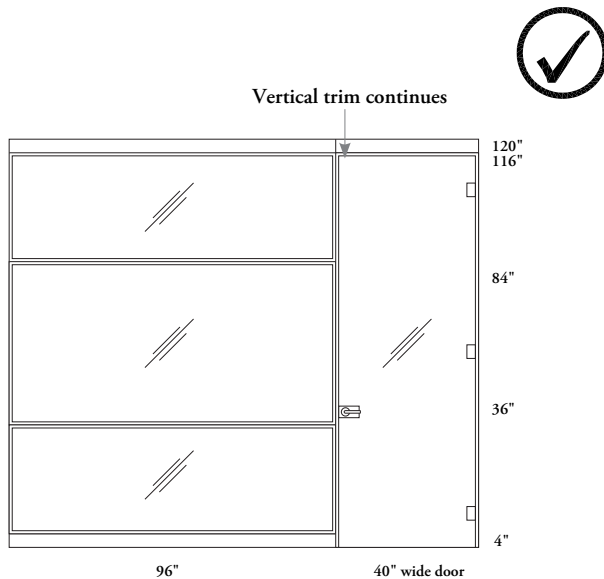
- Cannot be used above an Altos Desk
- No ceiling feed path through glass fascia. Ceiling feed must be routed to the side of the fascia or to the floor.
- One W3 glass fascia cannot span over both a Landscape fascia module and an Altos/Optos door together.

planning with glass fascias above 84" h – landscape

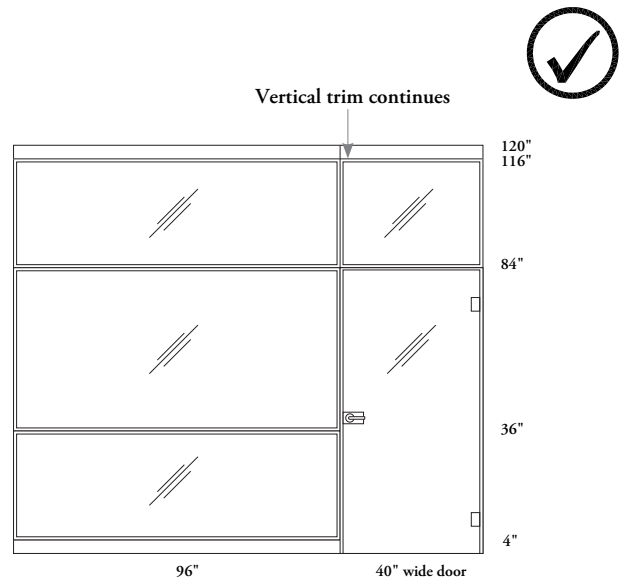
The following should be considered when planning with Landscape glass fascias above 84"h.

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".

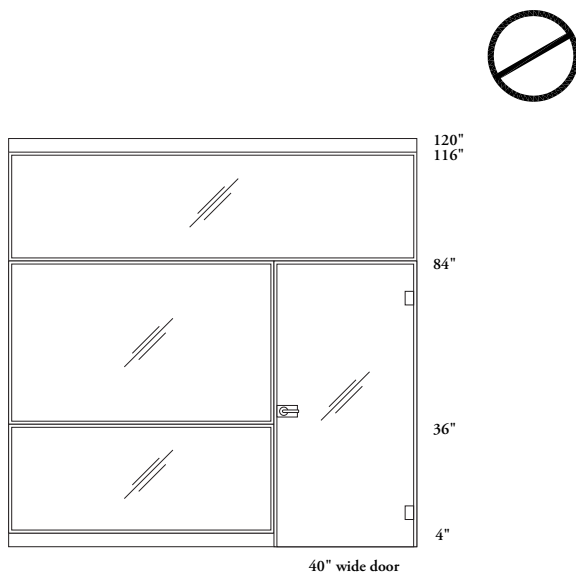
hinged/pivot doors



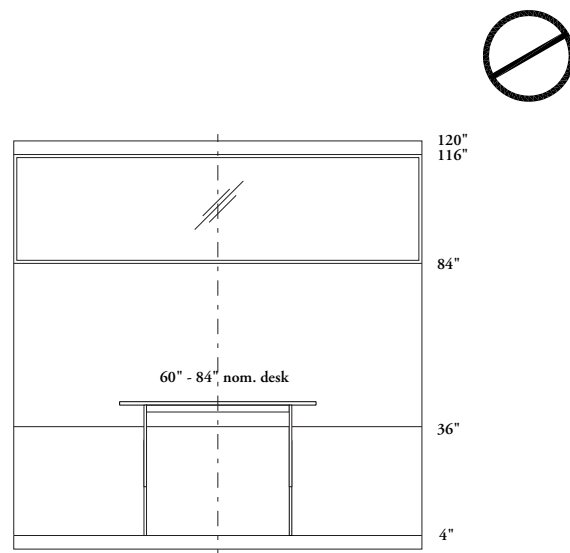
Full height Hinged/Pivot Door
Maximum Glass fascia span of 96"
Possible - Full Height Door



Hinged/Pivot Door under W3 glass fascia
Maximum Glass fascia span of 96"
Possible - Segmented Height Door



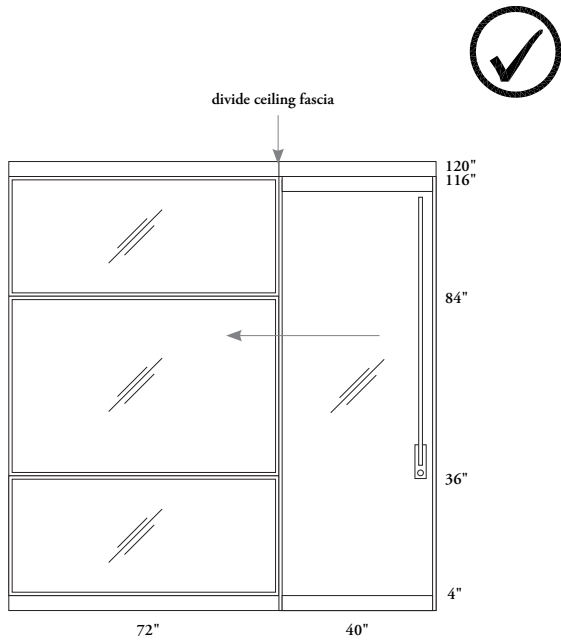
Hinged/Pivot Door under spanning W3 glass fascia
A Landscape glass fascia cannot span over an Altos wall module and a Door.



Landscape Desk under W3 glass fascia
Glass fascias cannot be planned above a Landscape Desk

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

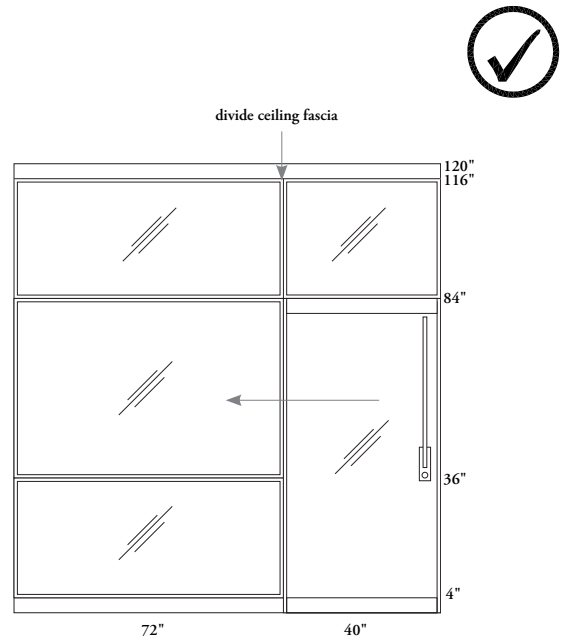
sliding doors



Full height Sliding Door

Maximum fascia span of 72" beside Sliding Doors

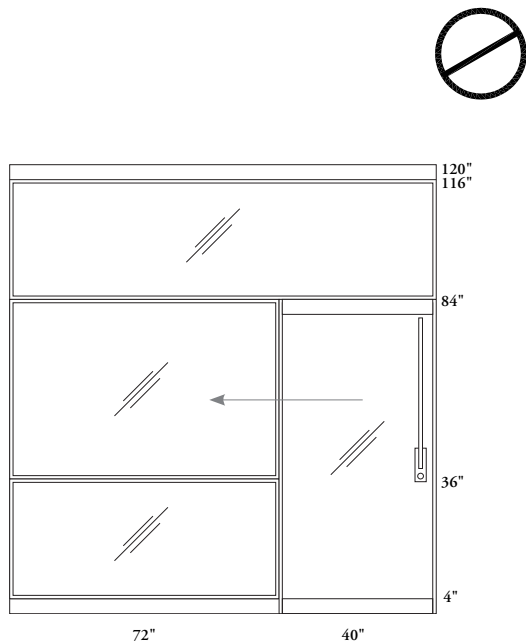
Possible - Full height door



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

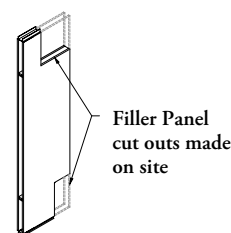
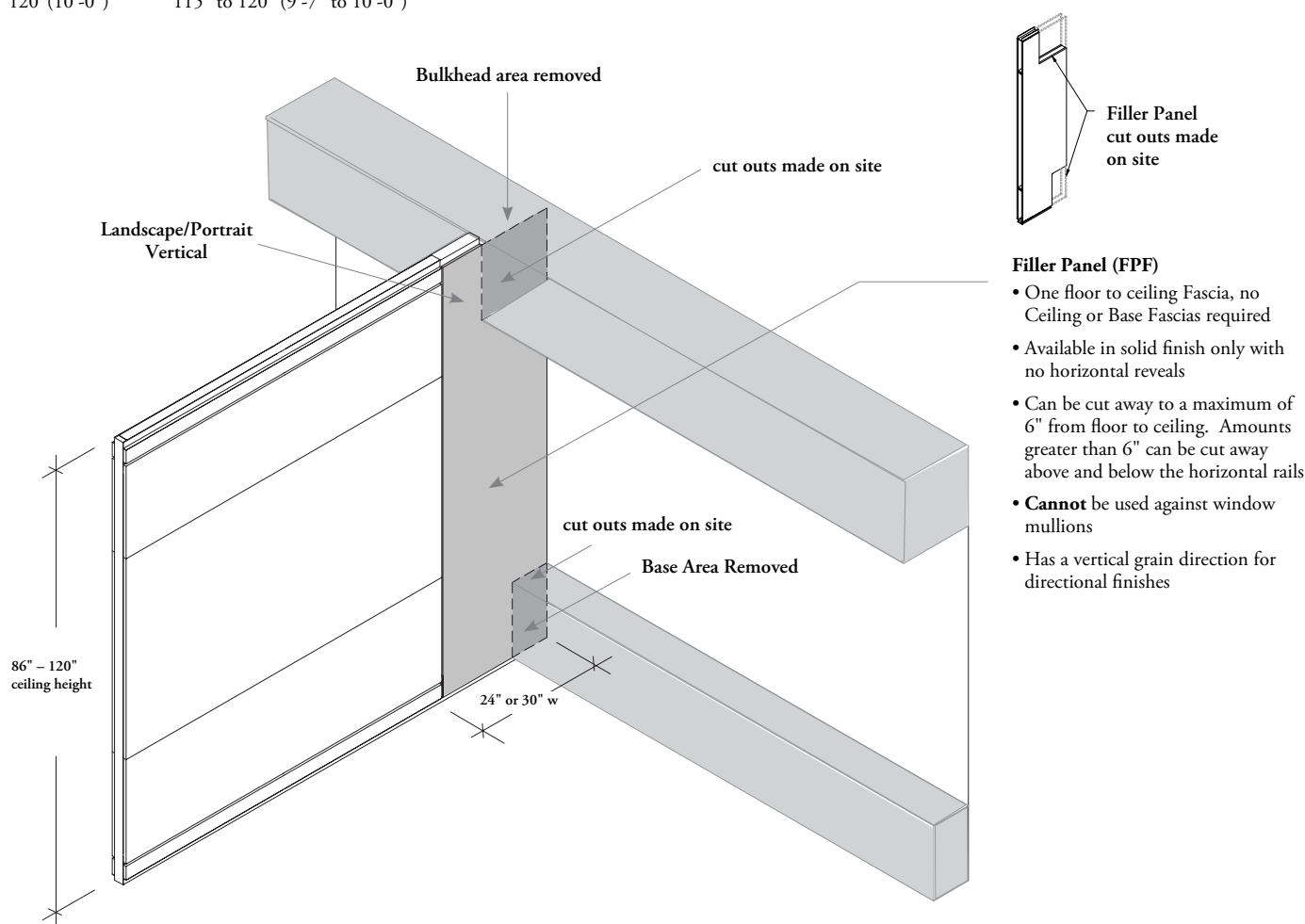
A Landscape glass fascia cannot span over an Altos wall module and a Door

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.

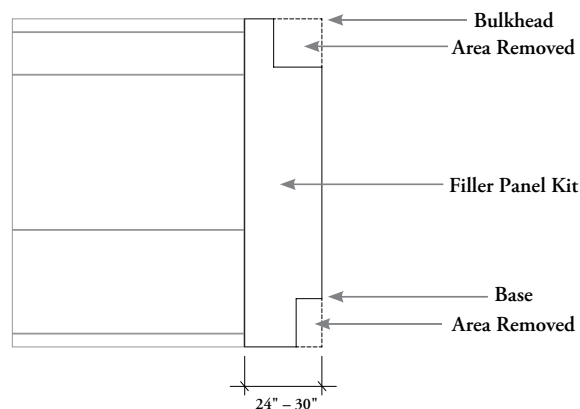
The Filler Panel can be used next to both Altos Portrait or Landscape fascias. Directional finishes for the Filler Panel are vertical, therefore when planning beside Altos Landscape, a non-directional finish is recommended.

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)

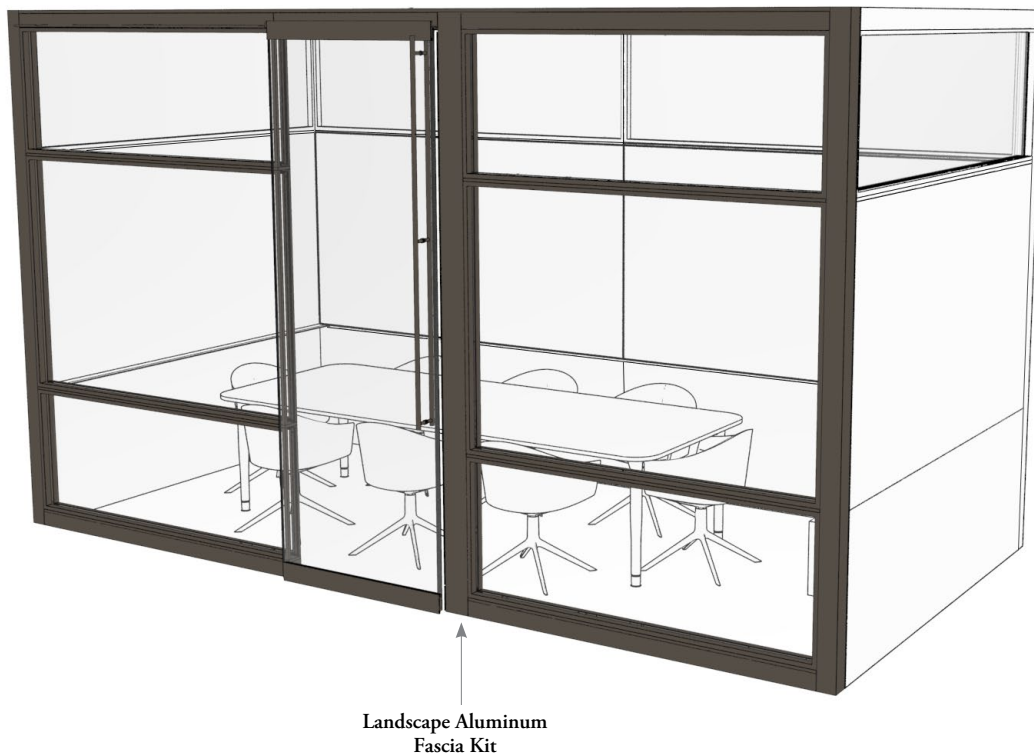
- One floor to ceiling Fascia, no Ceiling or Base Fascias required
- Available in solid finish only with no horizontal reveals
- Can be cut away to a maximum of 6" from floor to ceiling. Amounts greater than 6" can be cut away above and below the horizontal rails
- **Cannot** be used against window mullions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

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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

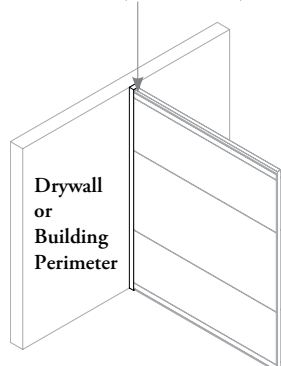


- ❶ Landscape Vertical Post Package (FLKV)
- ❷ Landscape Horizontal Rail Package (FLKH)
- ❸ Landscape Functional Rail Kit (FLKF)

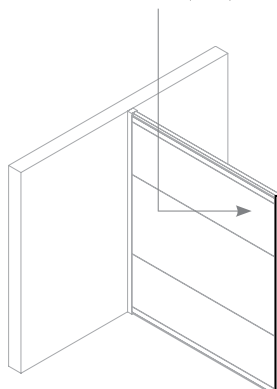
Not Shown:

Landscape Desk Frame (FLDF)

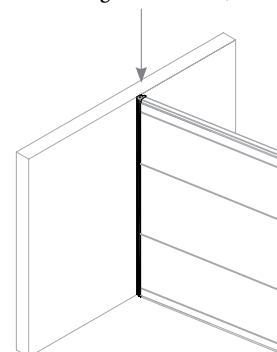
Wall Start (FKW/FLKW)



Wall Finished End (FKF)



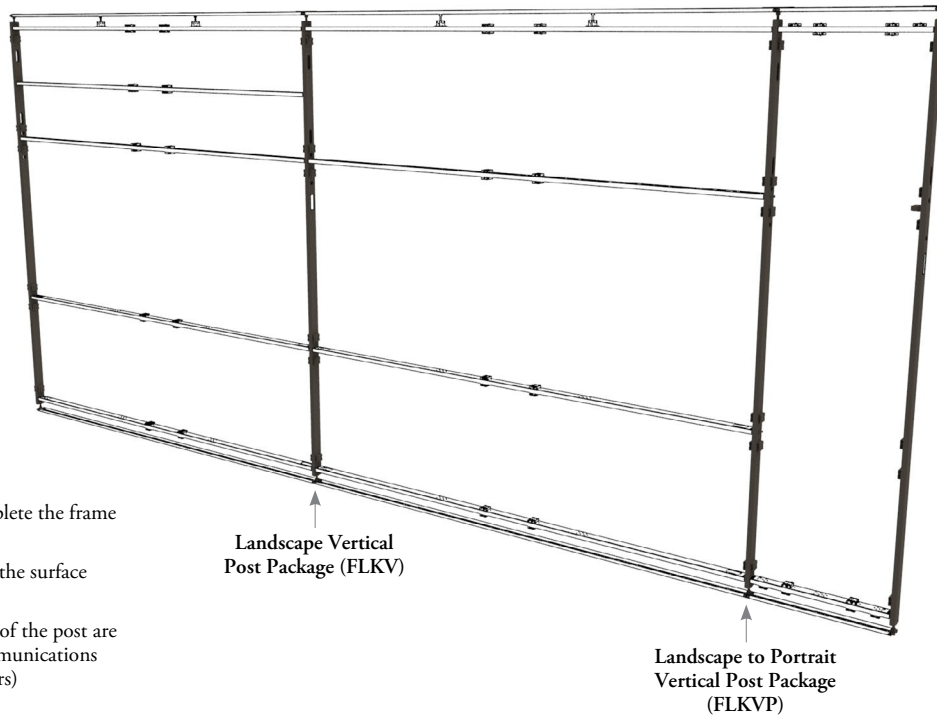
Variable Angle Wall Start (FKWA)



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.

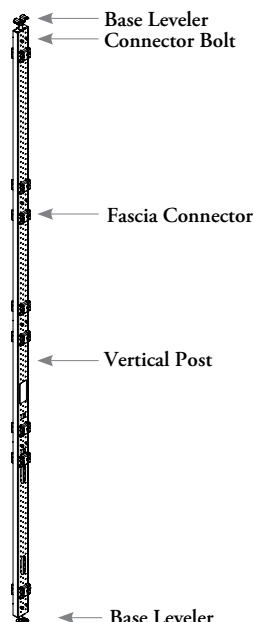
- Landscape Vertical Post Packages (FLKV) are universal when used with Altos Landscape and also fulfill the vertical post requirements for door openings
- Landscape to Portrait Vertical Post Packages (FLKVP) can be used when transitioning between Landscape and Portrait fascias
- The levelers allow for 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 electric and communications pass-through (total of 6 jumpers)

Landscape Vertical Post Package (FLKV)

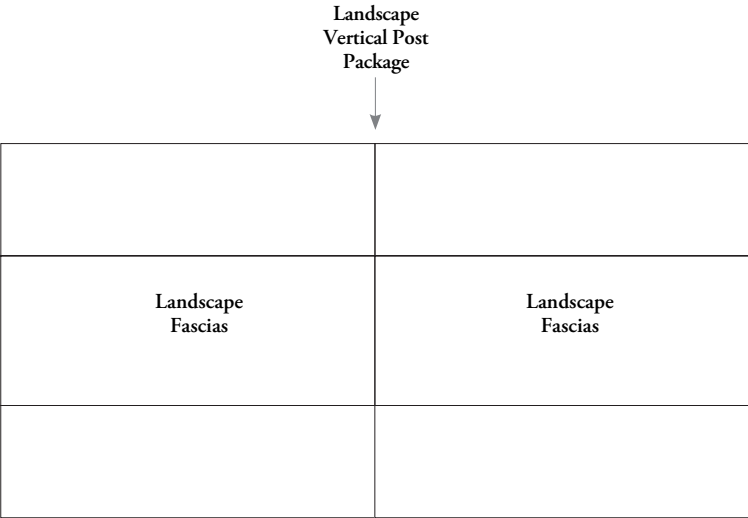
The Vertical Post Package is made up of the vertical post, levelers and connectors. The connectors can be specified to accommodate all Landscape frame elevations.



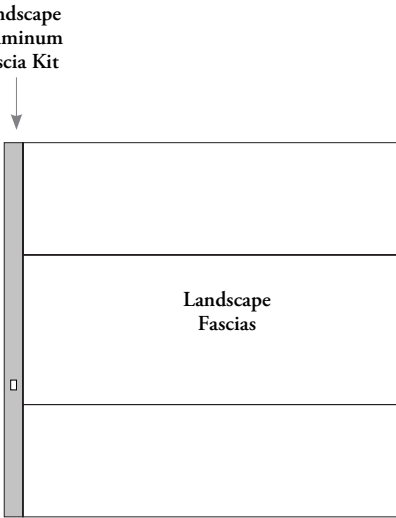
planning with verticals – landscape

The following should be considered when planning with Landscape frame kits.

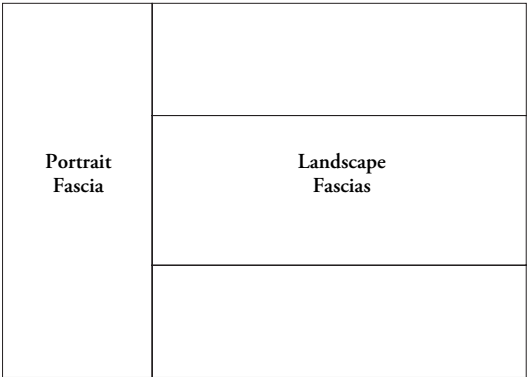
- Altos uses different vertical packages to transition between different Landscape and Portrait wall types
- When planning with only Portrait fascias, see the Portrait Vertical Post Basics page



- Landscape Vertical Post Package (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

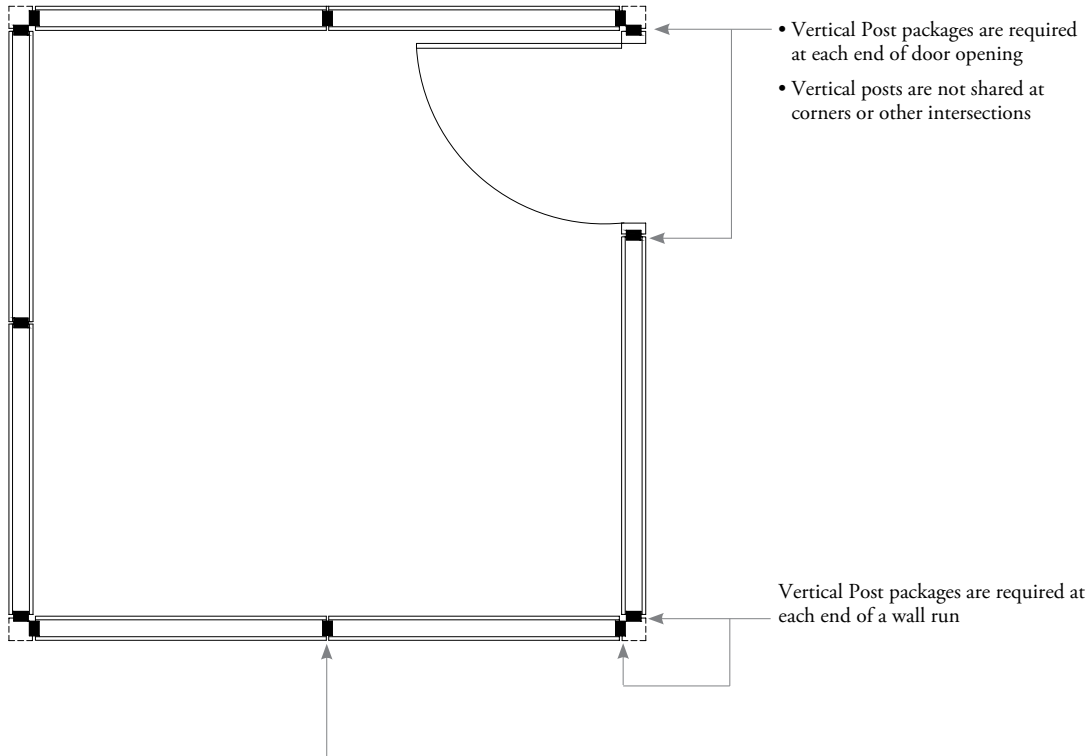


- Landscape to Portrait Vertical Post Package (FLKVP)**
- Landscape to Portrait Verticals are used to connect Landscape Fascias to Portrait Fascias
 - Landscape to Portrait Verticals have large cut outs for Electrical passage at 12" and 30"
 - Tek Pier is not available connected to a Landscape elevation

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.



- 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)

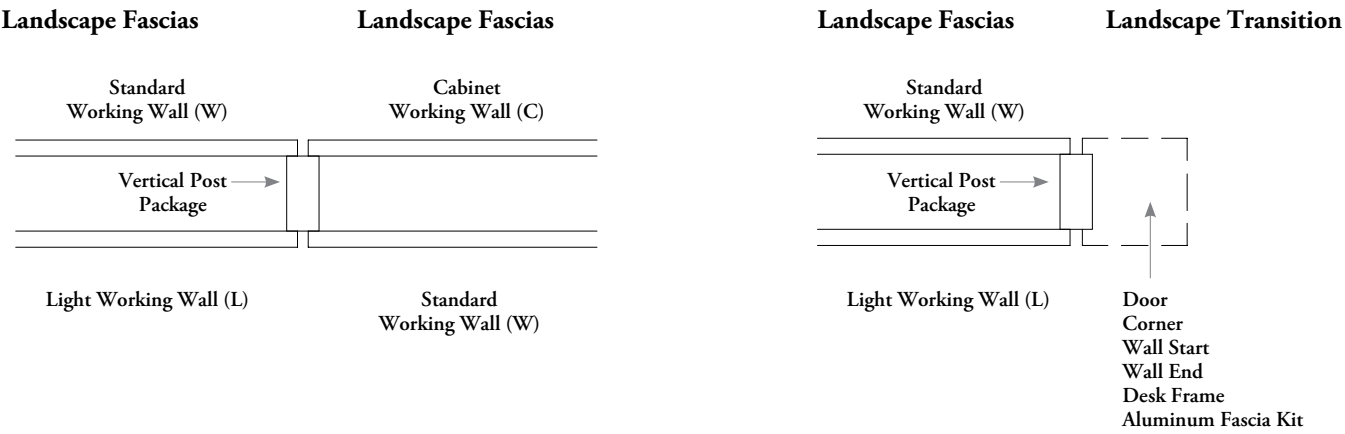
selecting a landscape vertical post

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



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	FLKV	FLKV	FLKV	FLKV	CR*	CR*	CR*	FLKV	FLKV	FLKV	FLKV	CR*	CR*	CR*
W	C	C	C	C				L	L	L	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

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)

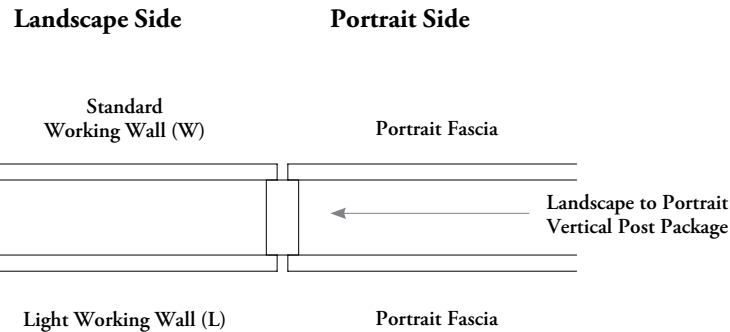
selecting a landscape to portrait vertical post

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.



step 2

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

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

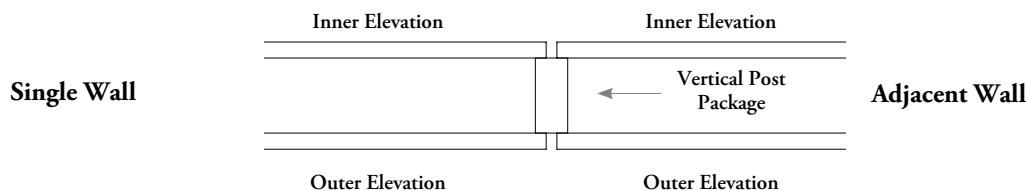
Select the appropriate Portrait elevation type (Full/Monolithic, Segmented, or Working Wall)

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:

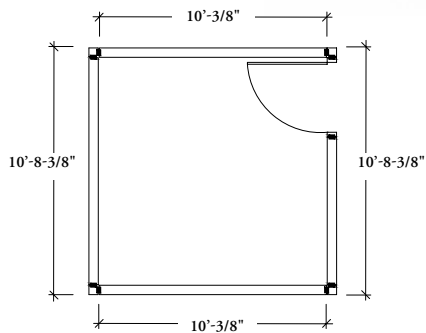
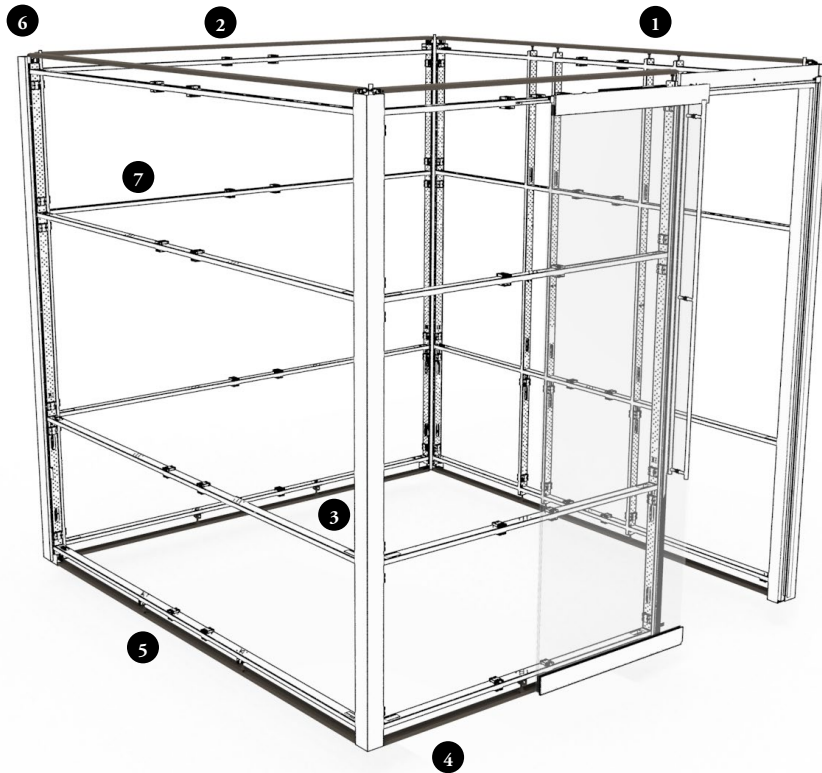


Single Wall Modules: Inner and Outer Elevations										
	W+W FLKV W	W+L FLKV L	W+C FLKV C	C+C FLKV C	L+L FLKV L	L+C CR	Landscape Aluminum Fascia Kit	Altos Desk W	Altos Desk L	
Adjacent Wall Modules: Inner and Outer Elevations	W+W FLKV W	FLKV W								
	W+L FLKV L	FLKV L	FLKV L							
	W+C FLKV C	FLKV 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				
	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.

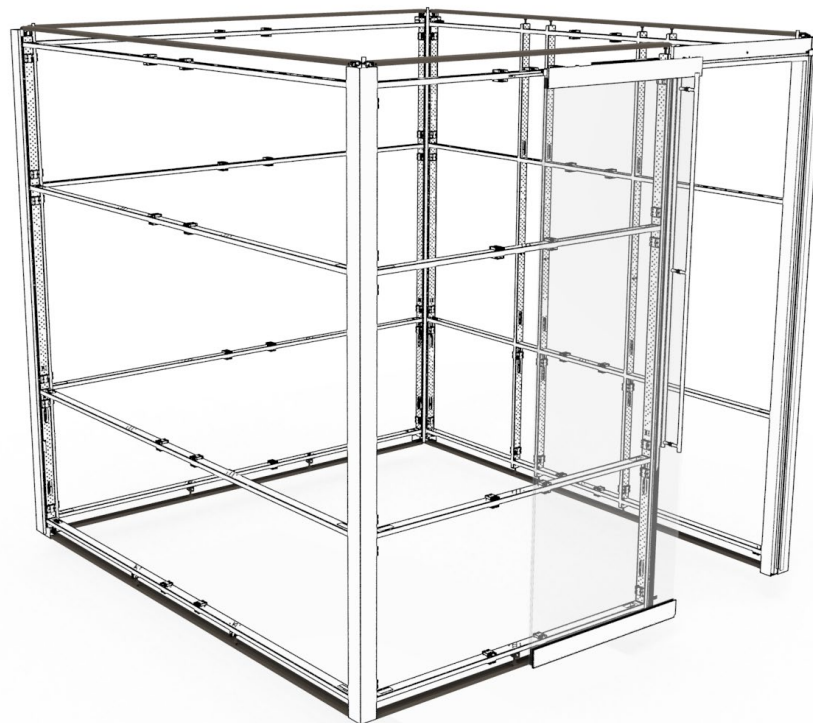


- 1 Ceiling Clip (FKP)
- 2 Ceiling Channel (FKN)
- 3 Horizontal Grommet (FBG)
- 4 Base Channel (FKC)
- 5 Wall Gasket (FKJ)
- 6 Vertical Reveal Cover Kit (FKJC)
- 7 Landscape Horizontal Rail Package (FLKH)

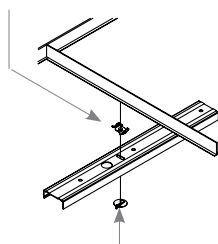
To determine the number of Ceiling Channels (FKN) required for the length of a wall run, take the total linear footage multiplied by 0.14.

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)

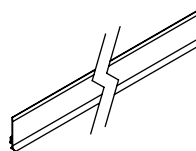
- Is a non-permanent method of connecting the ceiling channel to the suspended ceiling
- **Cannot** be connected to all types of ceilings – site verification required
- Non-marking and need to be ordered separately from ceiling channel
- Accommodate the changing wall locations without defacing the T-Bar



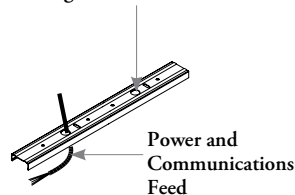
Horizontal Grommet (FBG)

(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

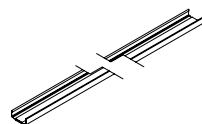


Ceiling Channel



Ceiling Channel (FKN)

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



Base Channel (FKC)

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

Wall Gasket (FKJ)

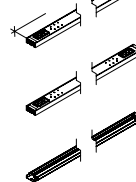
- Is a light and sound seal between the bottom of the wall system and the finished floor and the top of the wall system and the ceiling
- Minor height variations in floor and ceiling surfaces may be concealed by the wall gasket – available in 10'-0" lengths only



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 1/8" increments

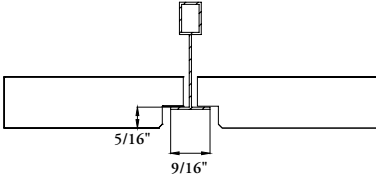
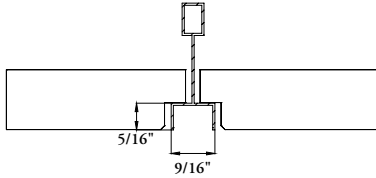
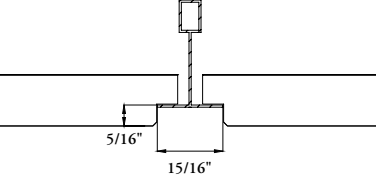
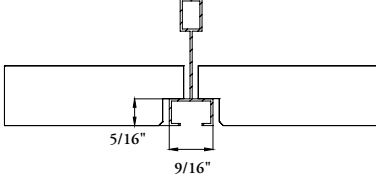
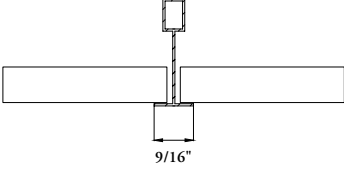
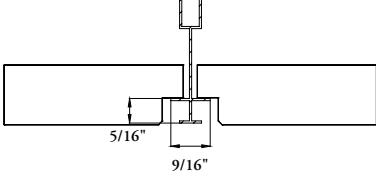
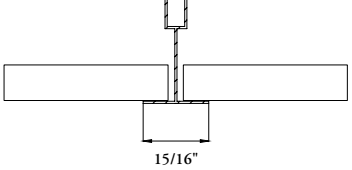
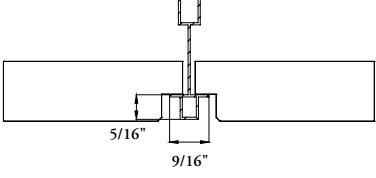


Landscape Horizontal Rail Package (FLKH)

- 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
	FKP1 + FKP3		FKP5
	FKP2 + FKP3		FKP5
	FKP1		FKP5
	FKP2		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 FKP2
- 9/16" Ceiling Clip (FKP5) is used for recessed tiles with various types of box grid

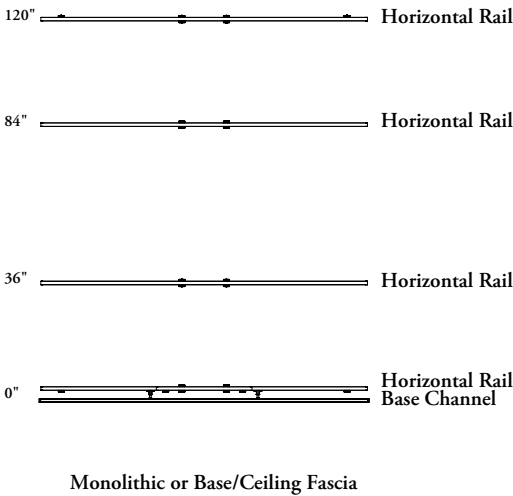
planning with horizontal rails – landscape

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.

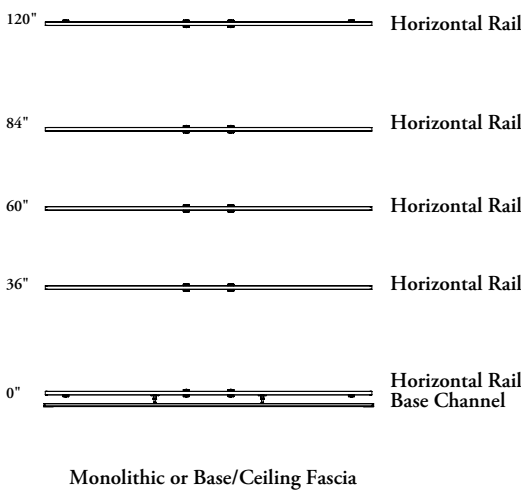
Standard Working Wall

- Functional Rails are available at the 36" and 84" datums



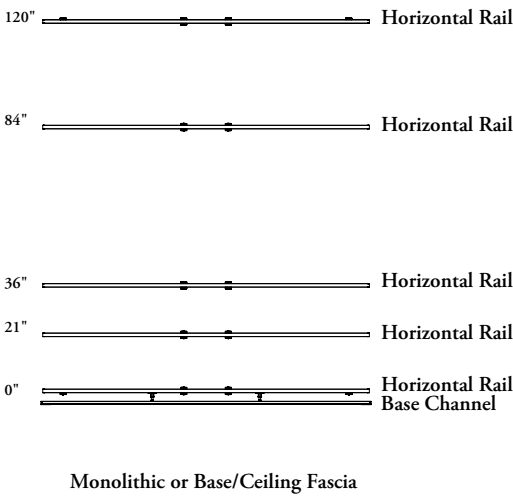
Light Working Wall

- Functional Rails are available at the 36", 60" and 84" datums

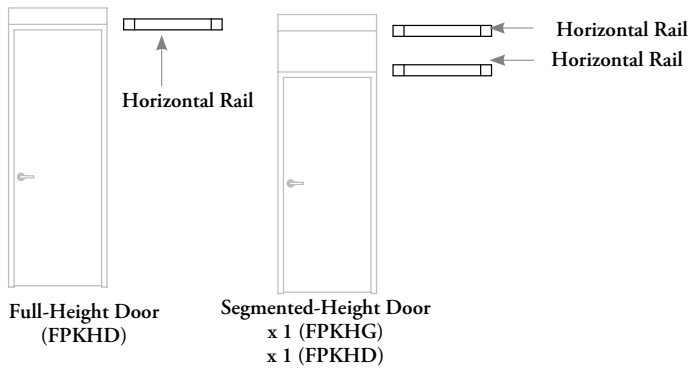


Cabinet Working Wall

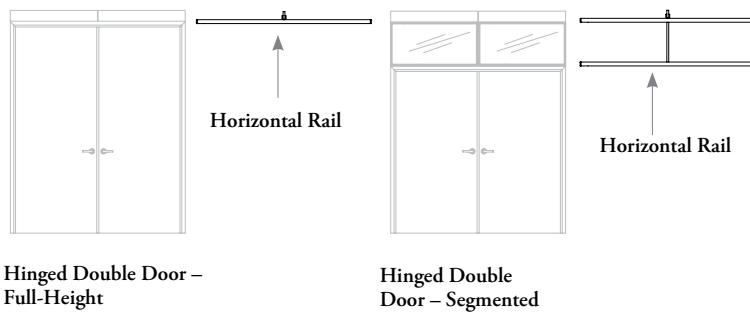
- Functional Rails are available at the 21", 36", and 84" datums



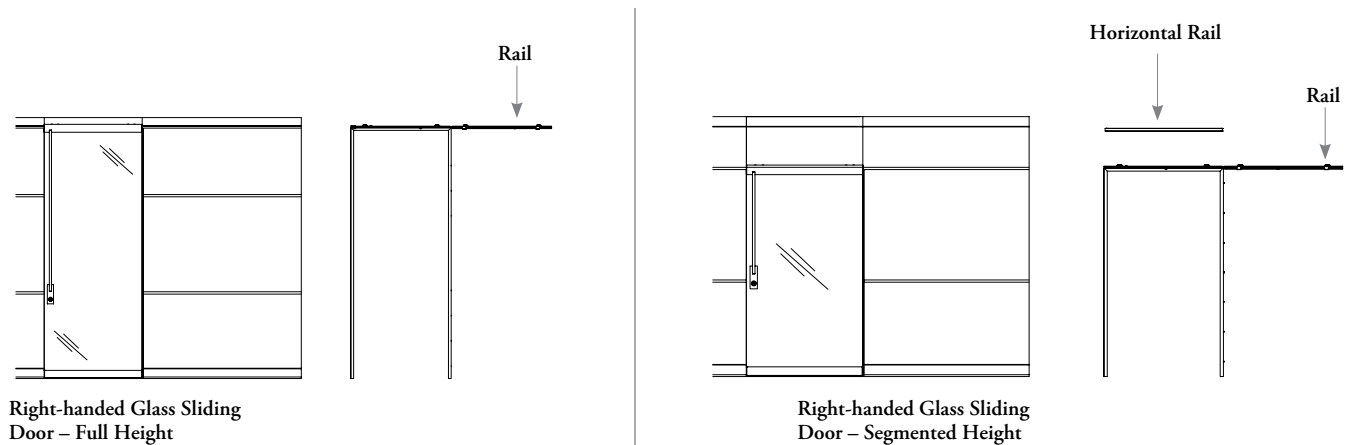
planning with horizontal rails – landscape (continued)



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



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



planning with horizontal rails – landscape (continued)

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

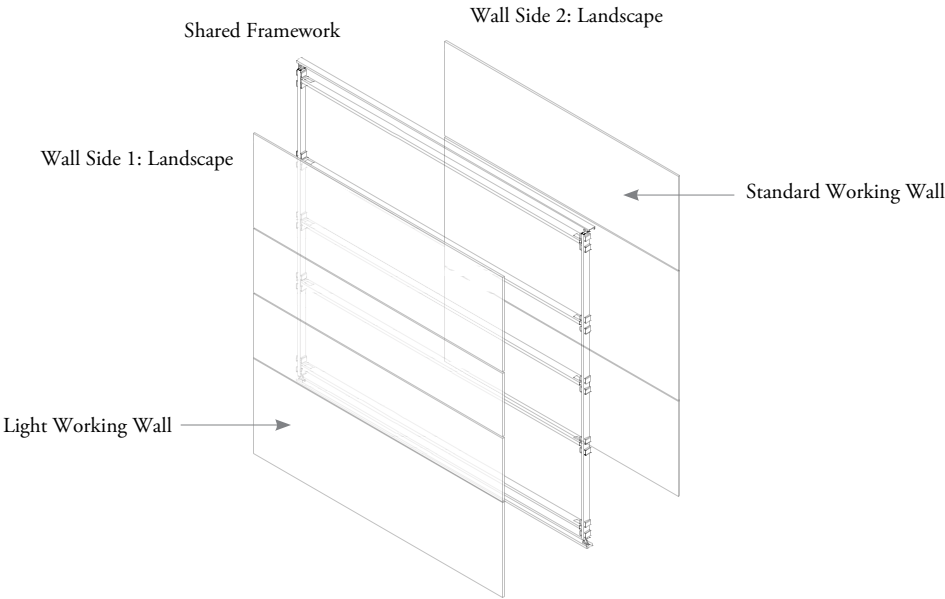
Landscape Horizontal Rail Package Selection chart:

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

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

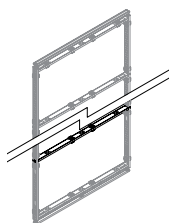
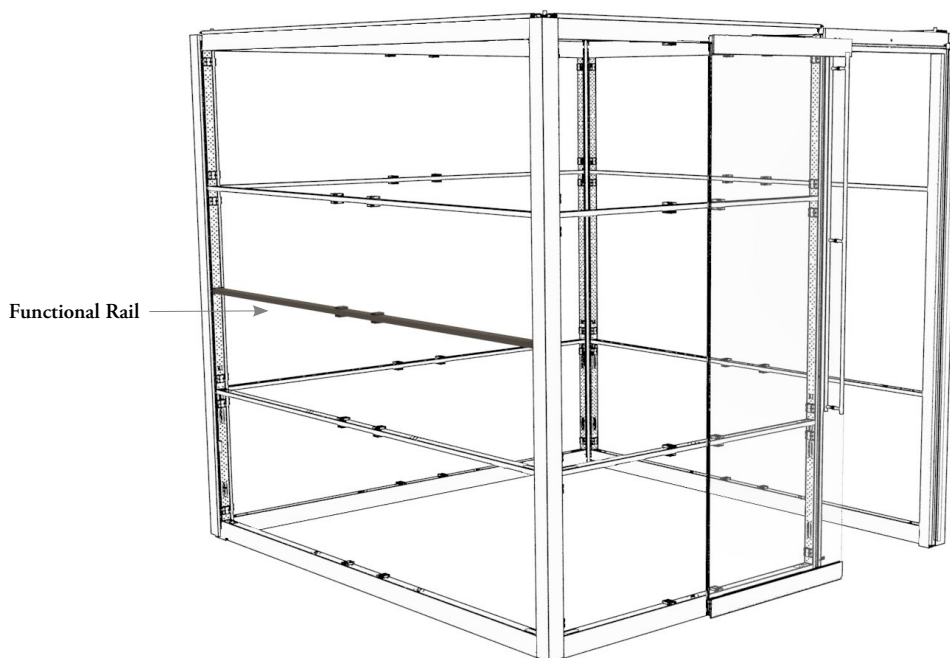
* When planning with a Light Working Wall and a Cabinet Working Wall back to back, additional components are required. See your Teknion Dealer Support for details.

Example: Light Working Wall and Standard Working Wall requires Horizontal Rail Package (FLKHL)



functional rail kit basics – landscape

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

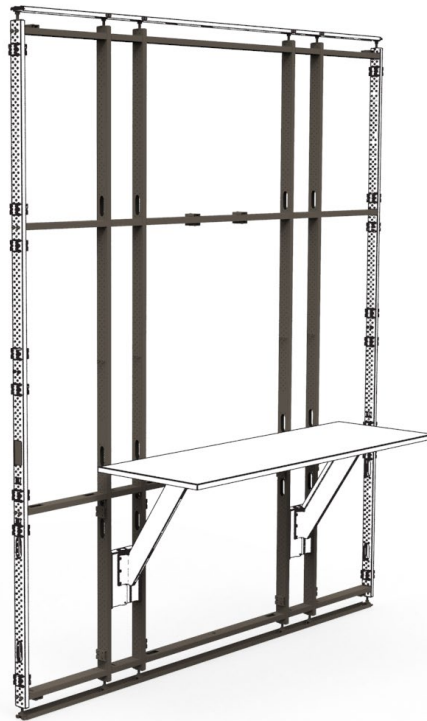


Landscape Functional Rail Kit (FLKF)

- Replaces the Altos horizontal rail where functionality is desired
- Available from 48-1/8" - 120" lengths in 1/8" increments.
- Built-in shelf leveling capability
- Single and Double sided applications
- Able to hold:
 - Landscape Wall-Mounted Cabinets (FLWC)
 - Landscape Shelves (FLSA/FLSG/FLSS/FLTW)
 - Landscape Wall-Mounted Light (ELWML)

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)

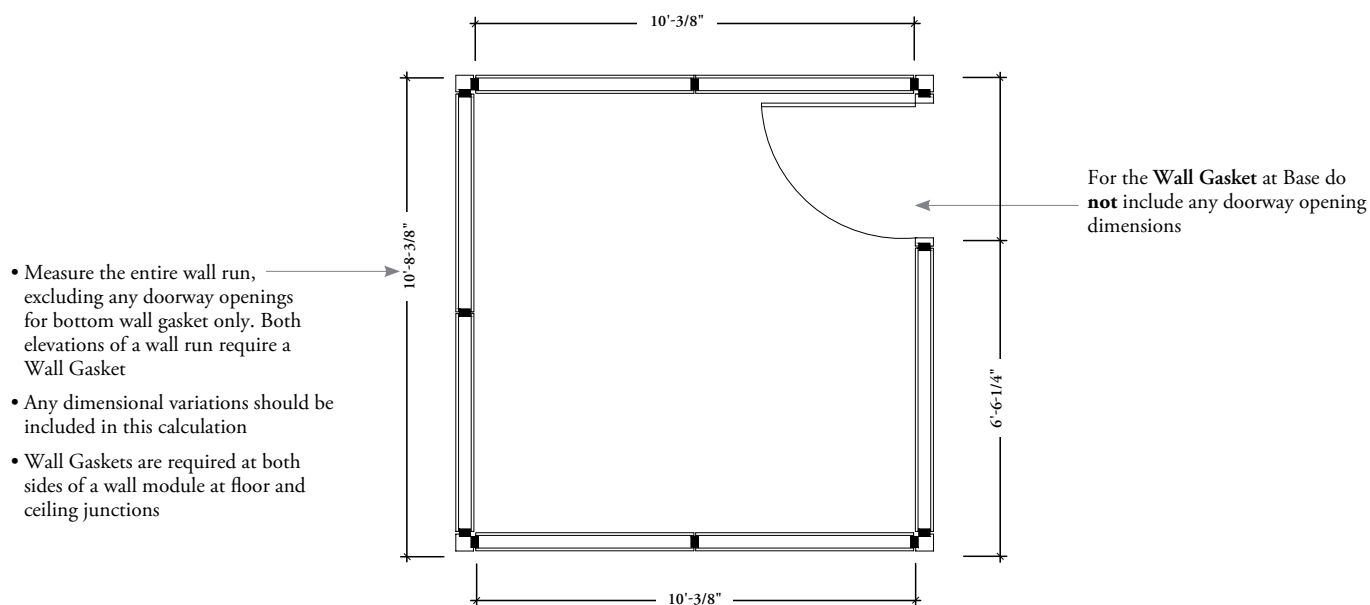
- Provides a mounting location for both Landscape fixed and height-adjustable desks
- Available as a Working Wall or Light Working Wall
- Heights available include 86" - 120" in 1" increments
- Frame widths available include 60" - 120" in 1/8" increments
- Accommodates desk widths 60" - 84" in 6" increments
- 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

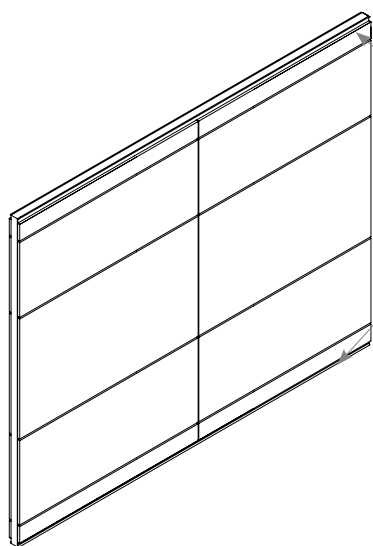
The Wall Gasket (FKJ) provides a light and sound seal between the bottom of the wall system and the finished floor and the top of the wall system and the ceiling.

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

determining wall gasket requirements



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.



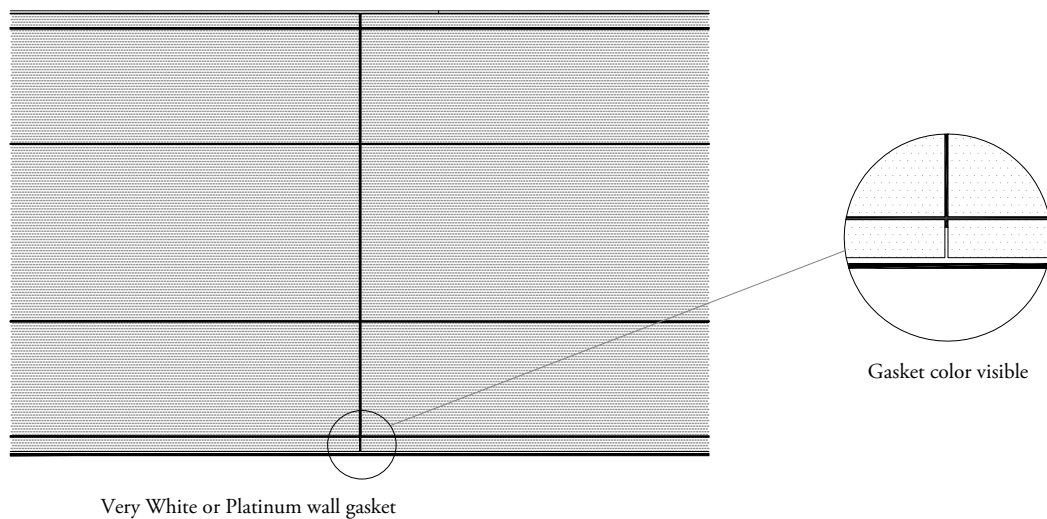
Wall Gasket (FKJ)

- 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 doorway opening

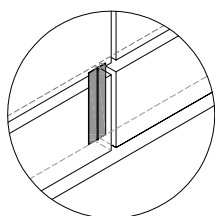
fascia reveal inserts – landscape

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

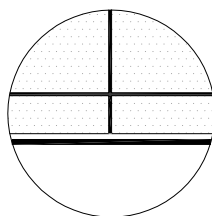
The following outlines the features:



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)**

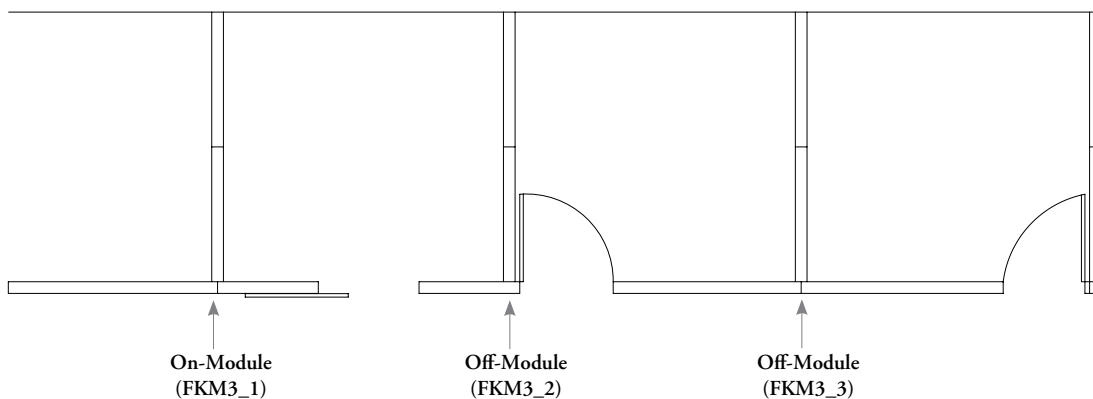
**Three-Way 180° Corner Cover (FKCN180)
and Hardware for Altos Corner
Connections (FKCH180)**

**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)

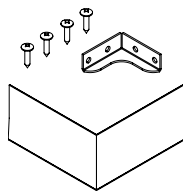


Module Connections create
three-way intersections
behind the bisected wall

90° corner connection basics – landscape

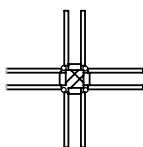
Walls can be connected at right angles in two-way, three-way and four-way configurations.

- 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



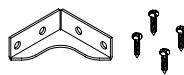
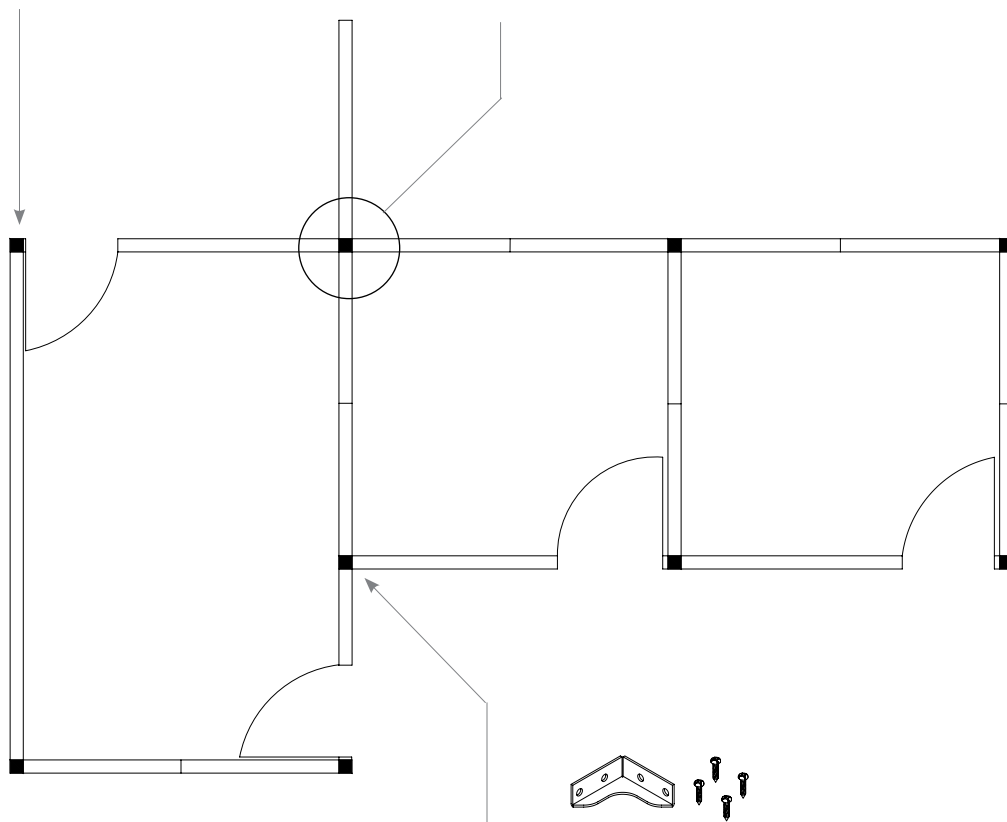
Two-Way 90° Frame Hardware Kit (FKCH90)

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°.

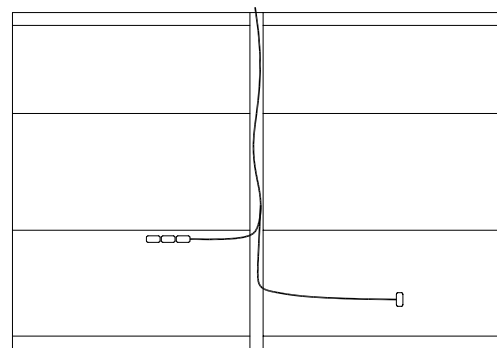
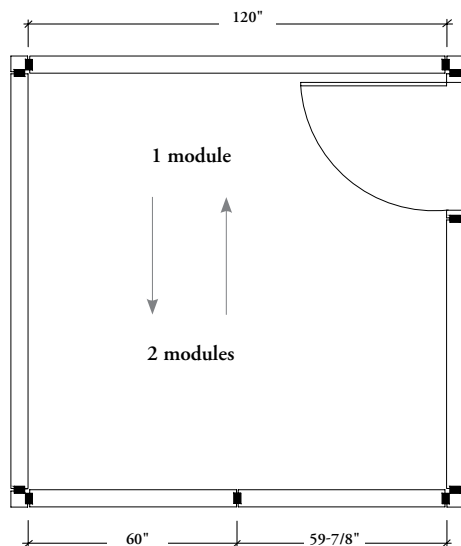
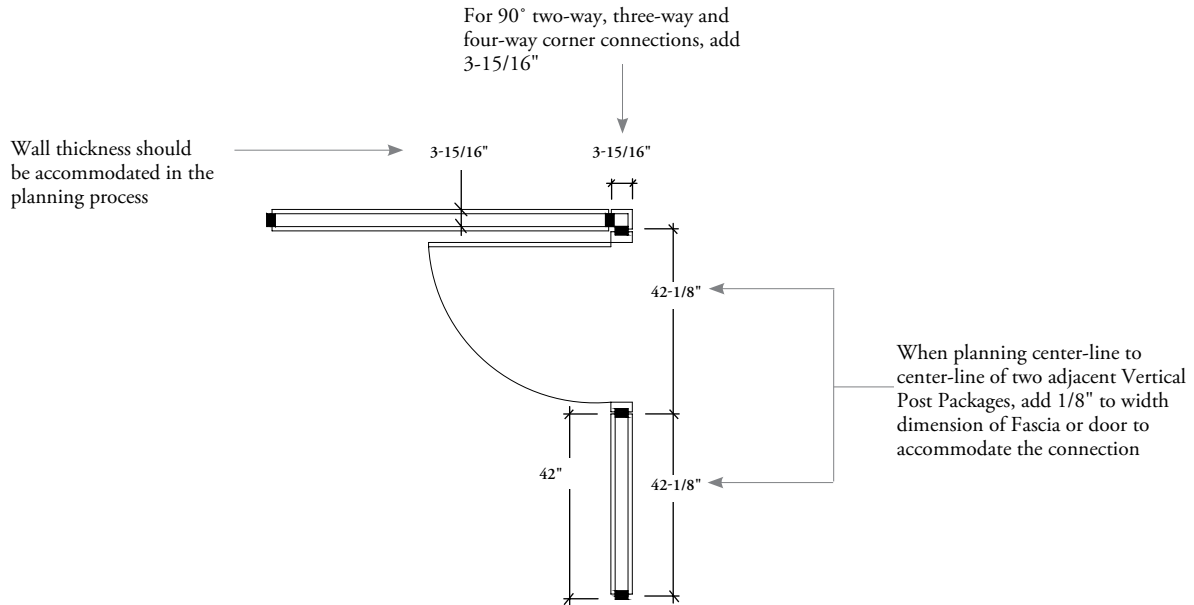


Three-Way 180° Frame Hardware Kit (FKCH180)

Provides the framework to connect three walls at 180°.

planning with 90° corner connections – landscape

The following should be taken into consideration when planning with 90° connections.



When planning with Landscape in $\frac{1}{8}$ " 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.

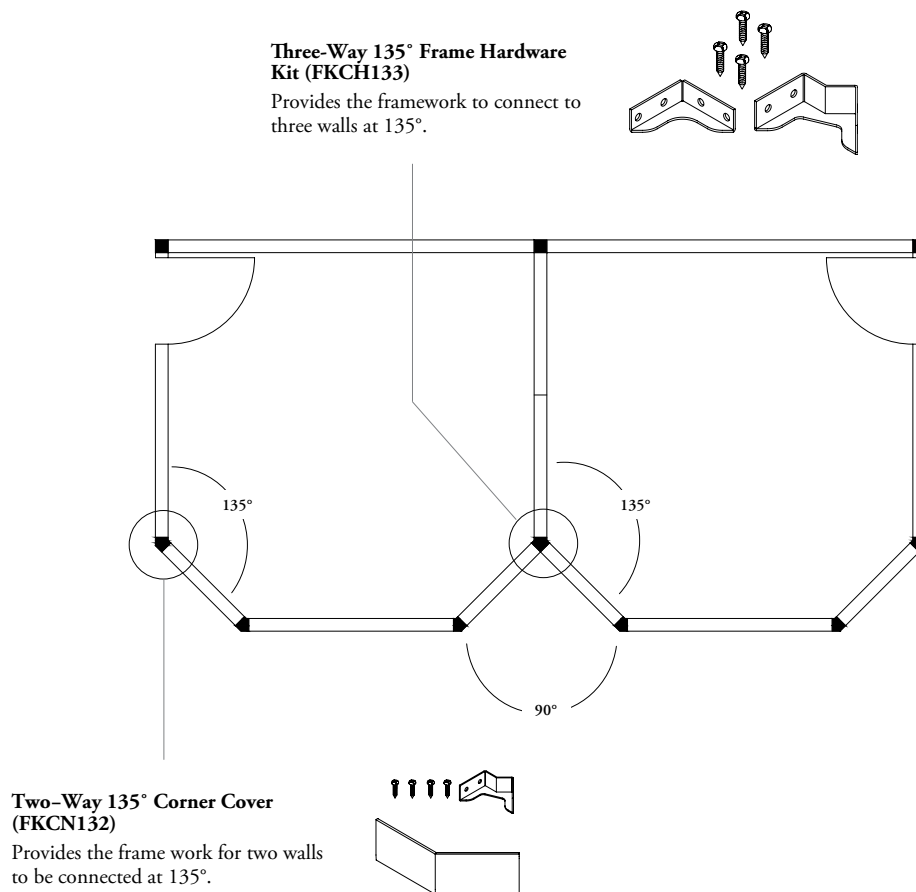
The total nominal wall width will not be equal for opposite walls when they have a different number of modules. This is due to the fascia creep of the Altos Wall system.

Corner connections enclose electric and communication 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.

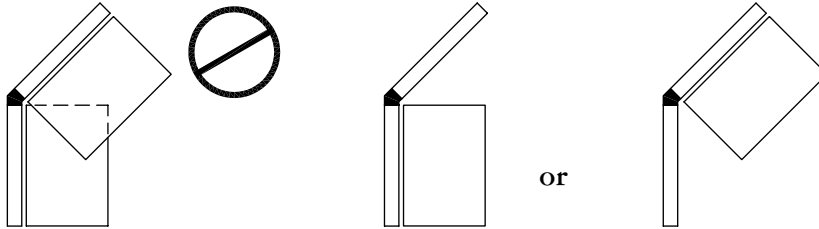
The Corner Covers for 135° (FKCN132, FKCN133, FKCN180, FKCN90, FKCN120) are in the Fascias Section.



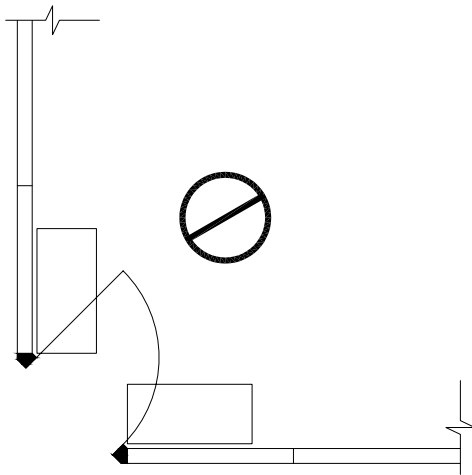
planning with 135° corner covers – landscape

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°.



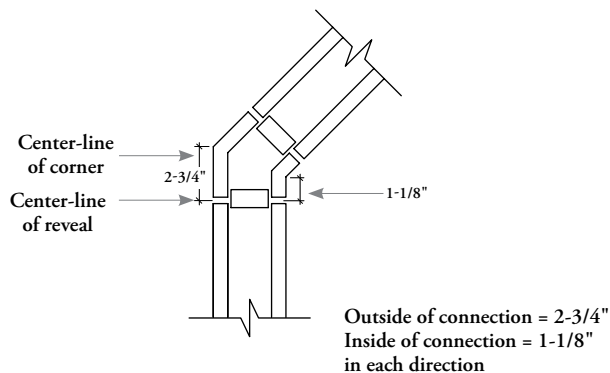
Placement of doors at a 45° does not allow for the suspension of the Altos Desk, shelving, light and cabinets on adjacent wall modules.



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.

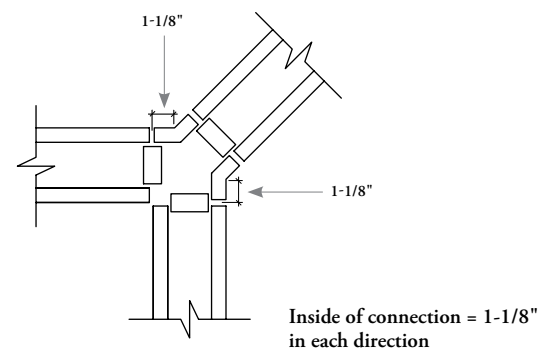
Two-Way 135° Corner Cover (FKCN132) and Hardware for Altos Corner Connections (FKCH132)

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



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

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



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

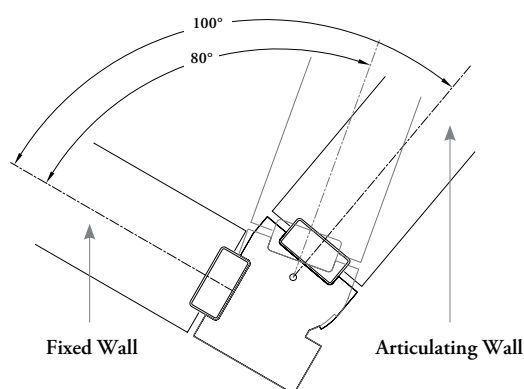
articulating corner basics – landscape

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 $+10^{\circ}$
- Finished in anodized aluminum or painted

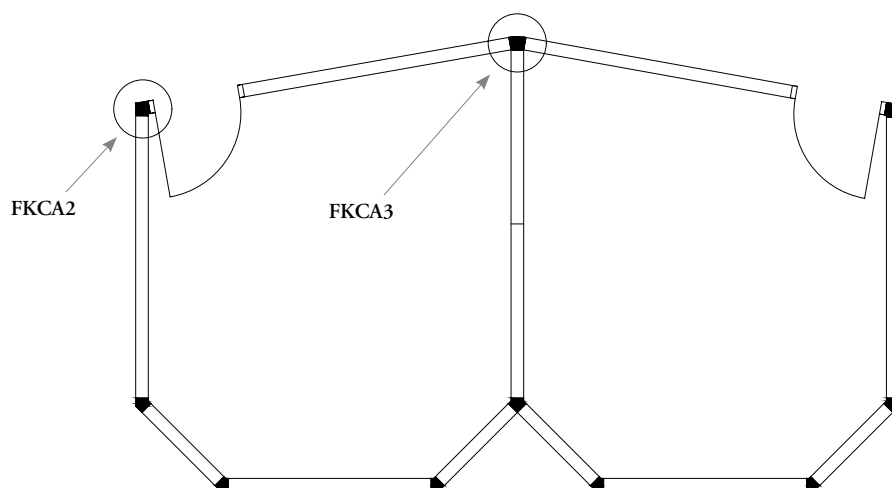
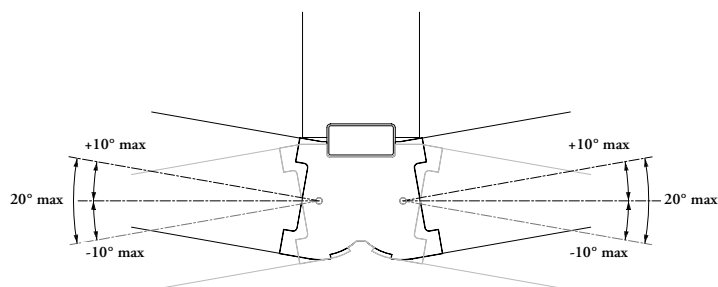
Articulating Two-Way Corner (FKCA2)

- 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)

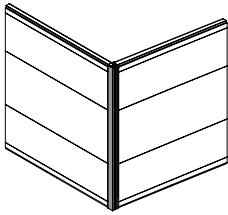
- Connects two Altos walls between 80° and 100° with a third fixed Altos wall
- Both sides of corner can be angled independently, each side allows for a maximum 20° of rotation ($\pm 10^{\circ}$)
- Provides both the connecting hardware and cover



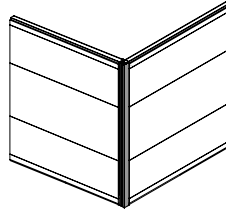
planning with articulating corners – landscape

The following should be considered when planning with Two-Way and Three-Way Articulating Corners.

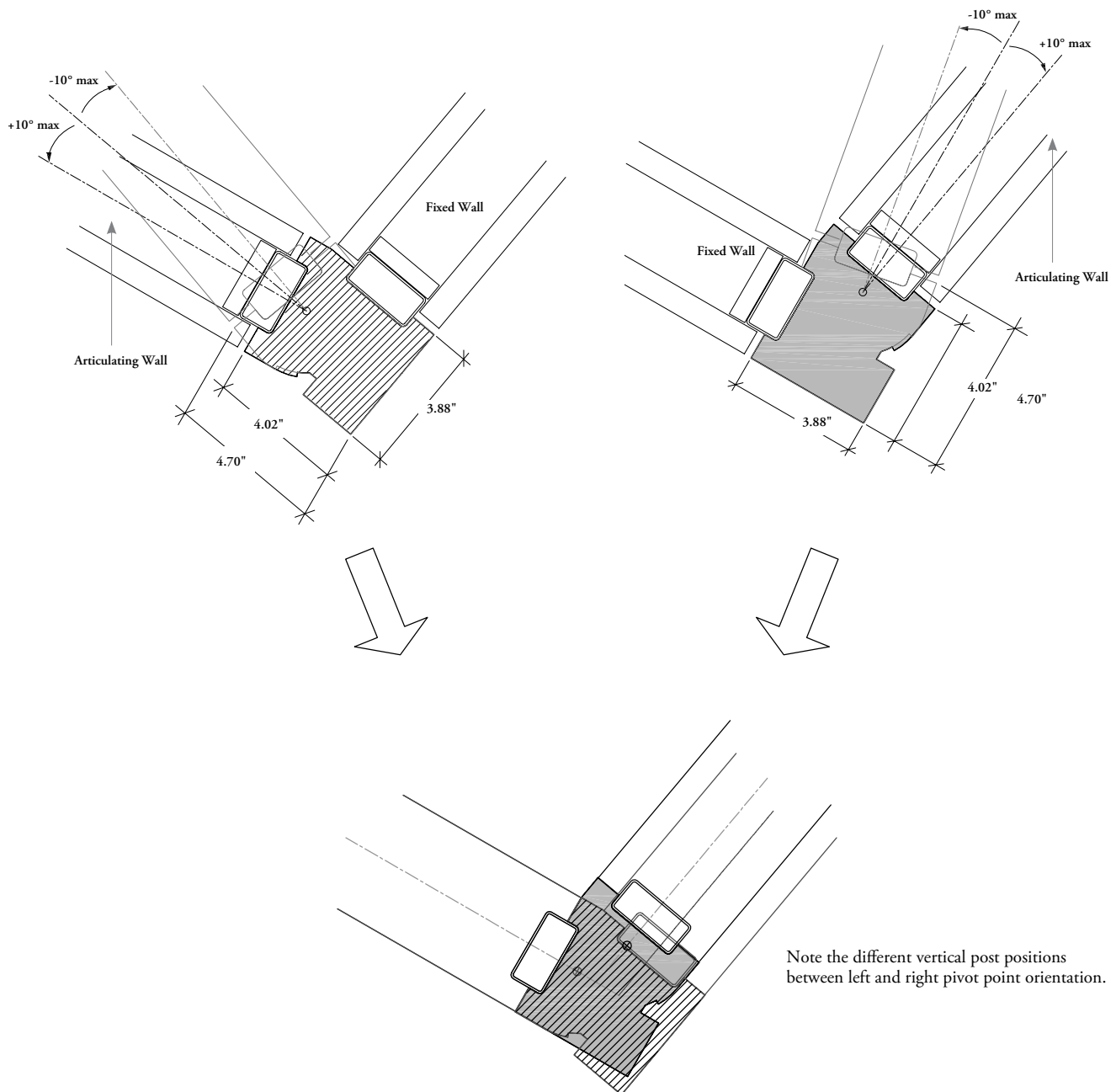
The Articulating Two-Way Corner is available with two pivot point orientations to indicate which wall is the articulating one.



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



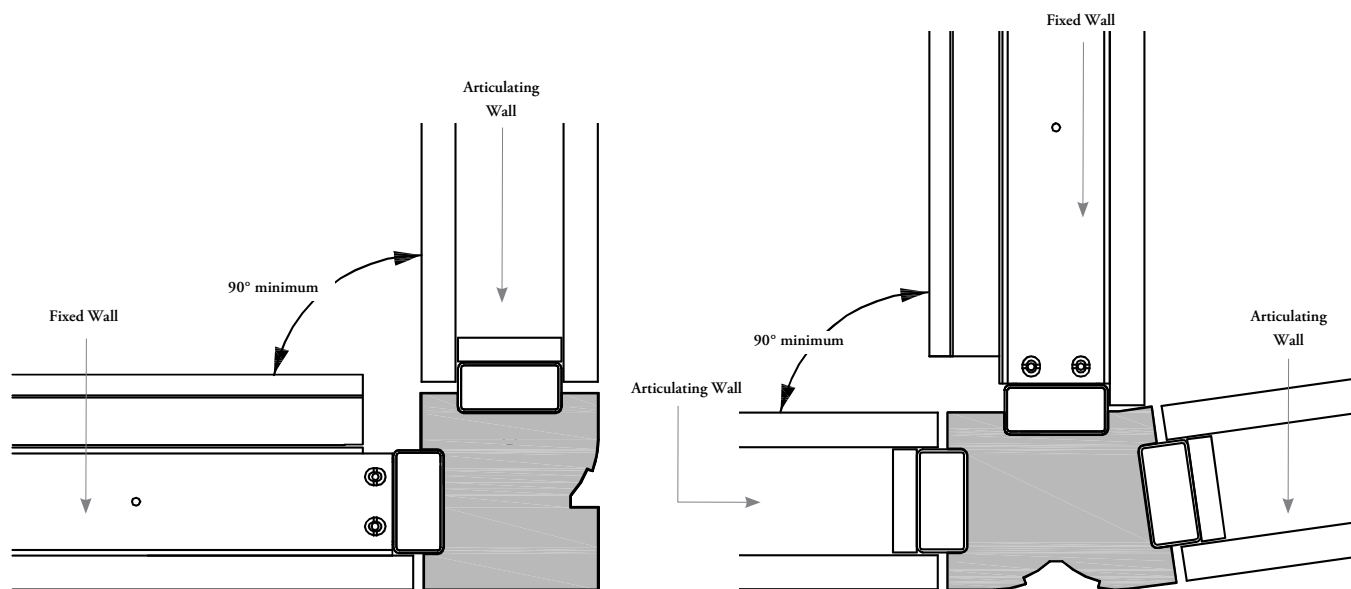
Articulating Two-Way Corner shown with **right** pivot point orientation:



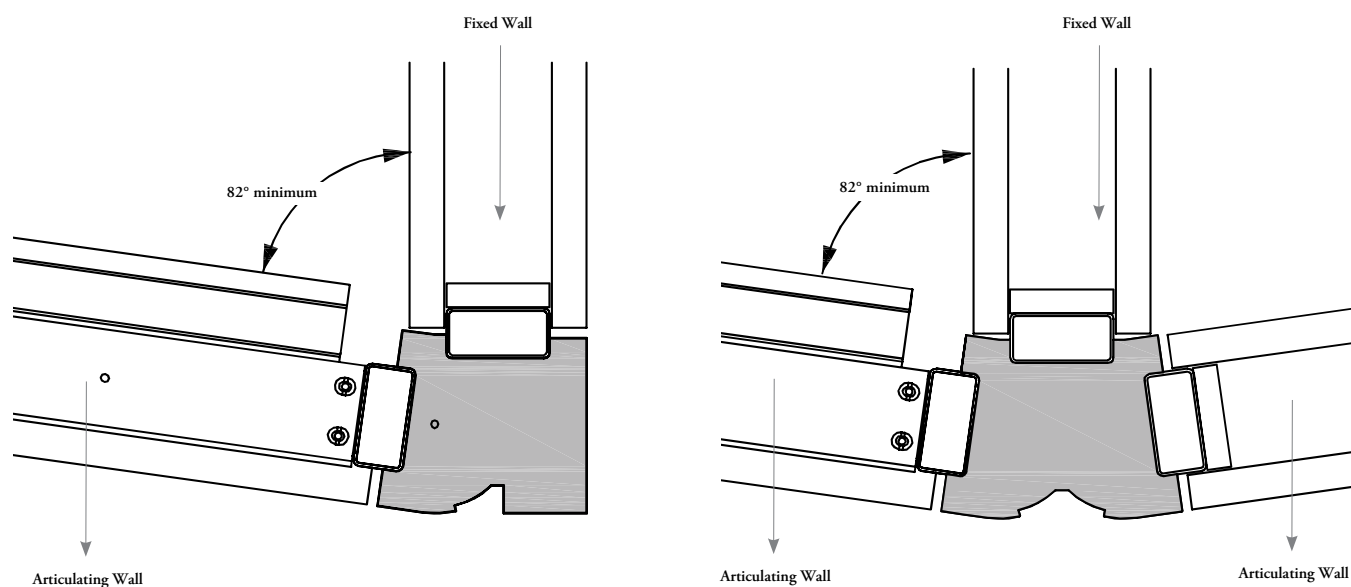
planning with articulating corners – landscape (continued)

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°.

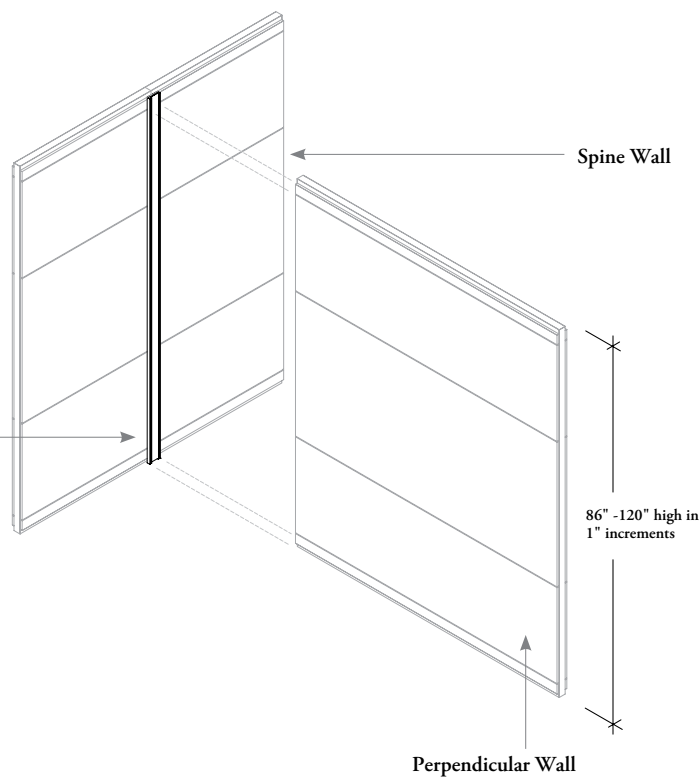


module connection basics – landscape

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

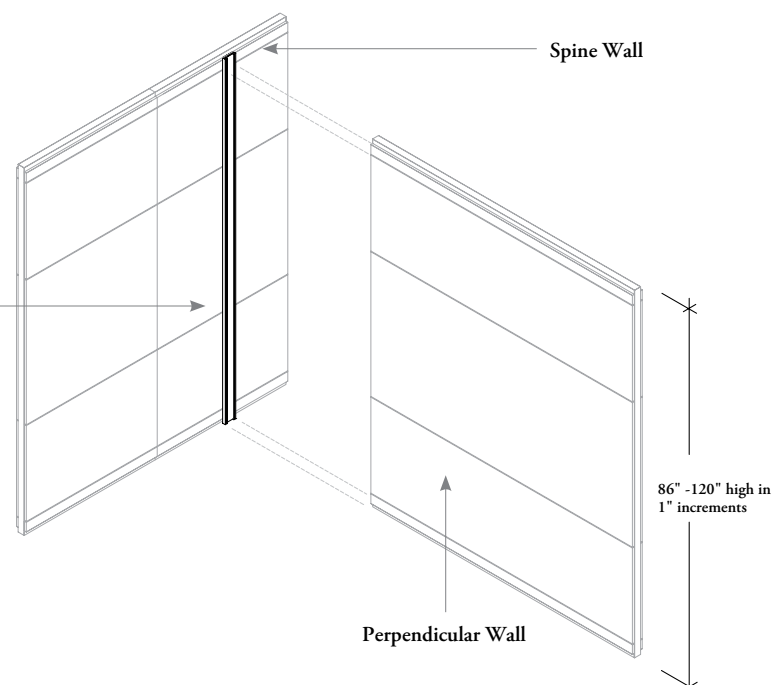
Three-Way 180° Module Connection (FKM3_1) (On-Module)

- Centers the connection at the vertical reveal between Fascias
- May **not** be attached at any other location



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

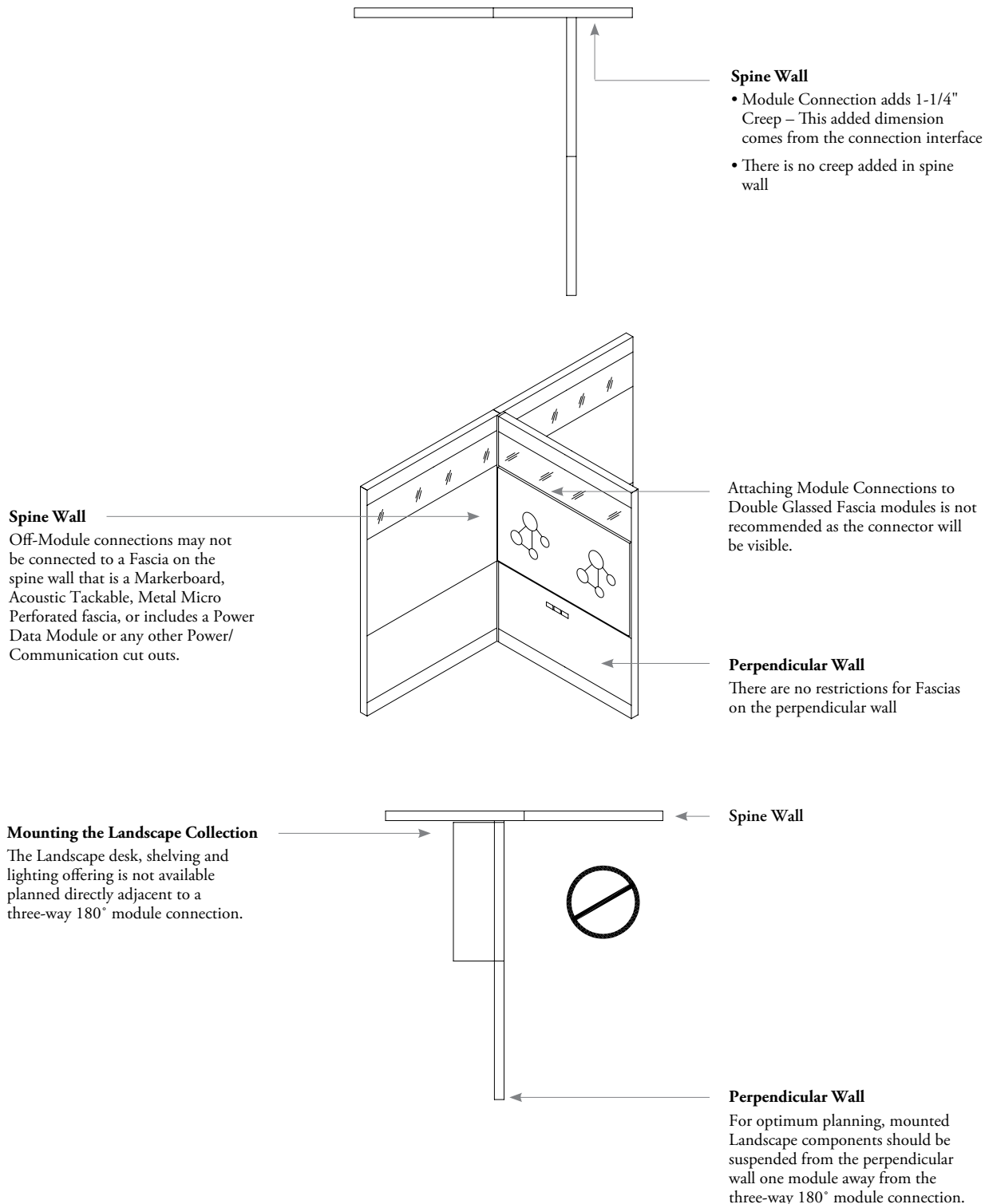
- Creates a connection anywhere between reveals of Fascias
- May **not** be used at the vertical reveal
- Can be used at Solid and Double glass Fascias only
- Module Connection adds 1-1/4" Creep – this added dimension comes from the connection interface



planning with module connections – landscape

The following should be considered when planning with module connections.

Electrics **cannot** be routed through the module connections.

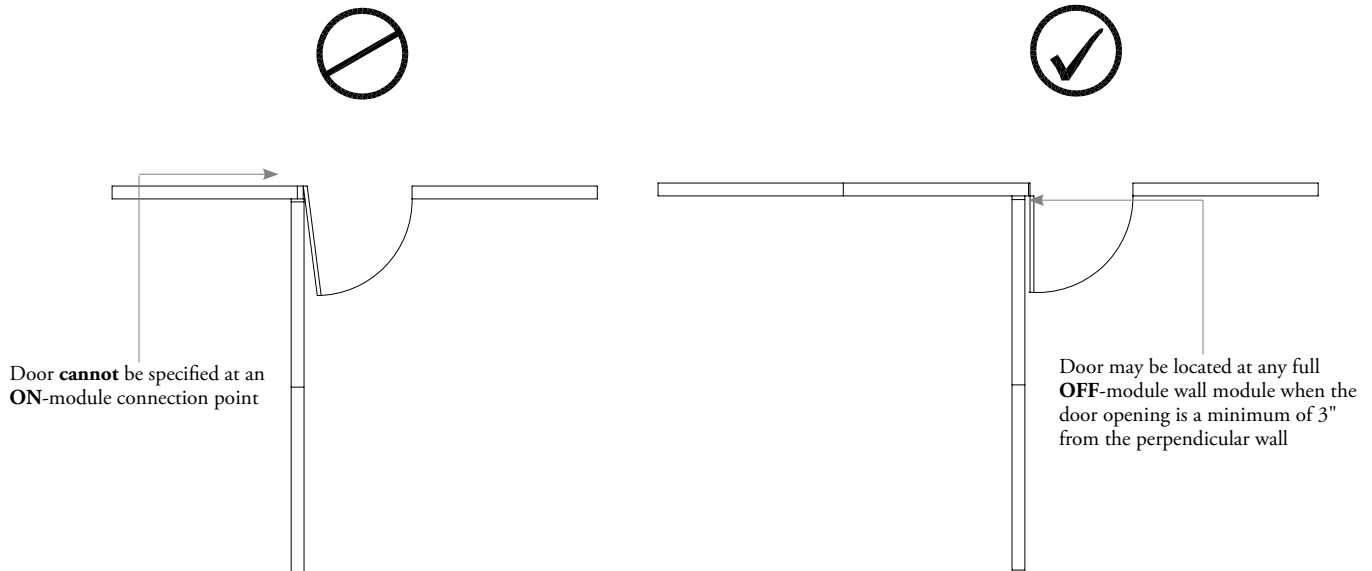


planning with module connections – landscape (continued)

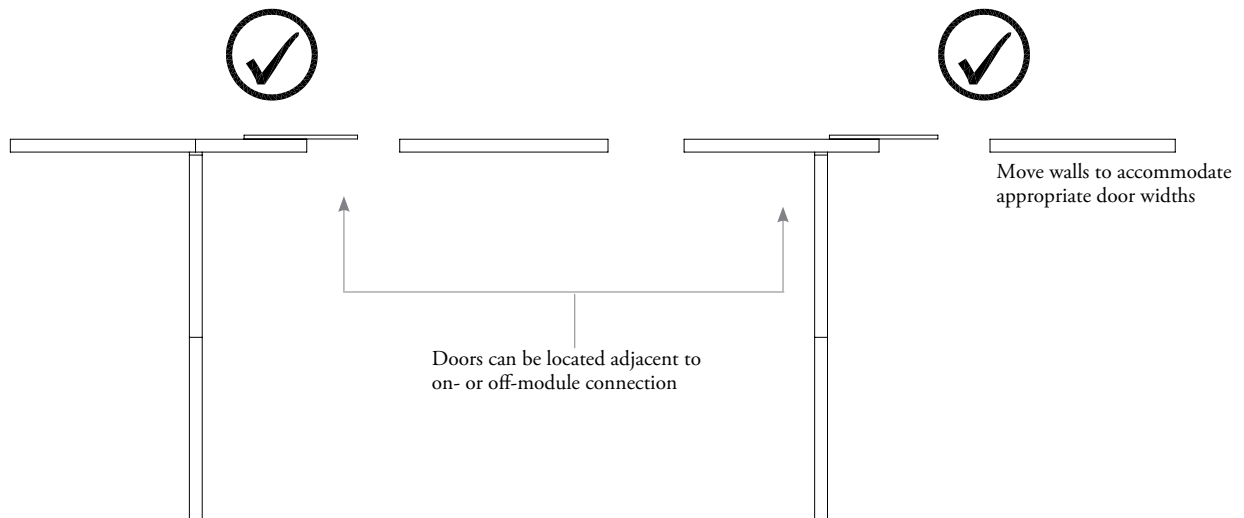
Door type and location must be taken into consideration when planning with the Three-Way 180° Module Connection. The following chart shows where each door type can be used on the bisected spine wall.

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

Single Hinged Doors
Double Hinged Doors
Single Pivot Doors

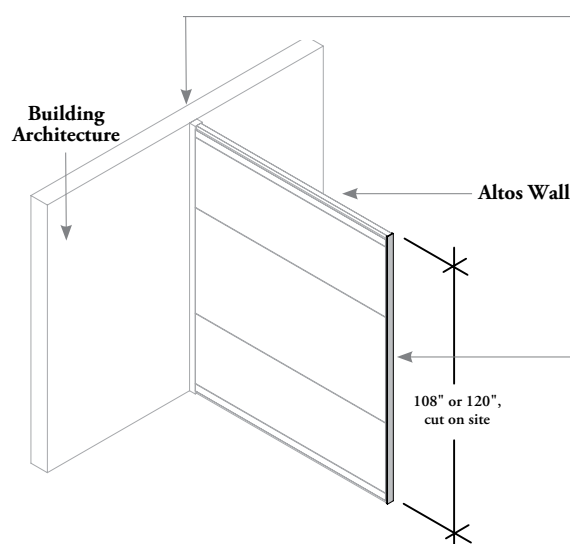


Single Sliding Doors



wall start & end basics – landscape

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



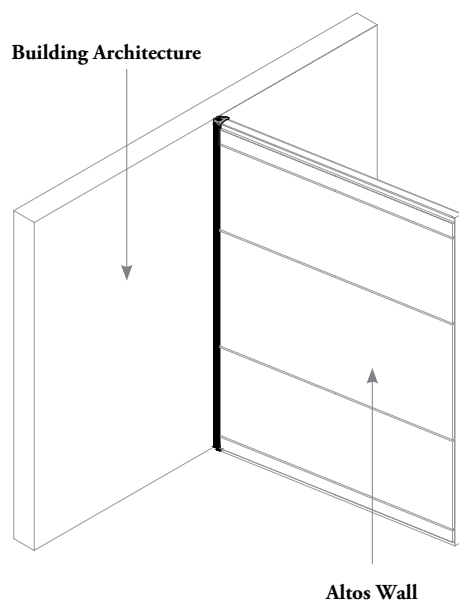
Wall Start (FKW) and Adjustable Wall Start (FLKW)

- Begins or ends a wall run at the building wall, column or mullion and provides a clean connection between the building and the Altos wall
- Can accommodate spacing due to untrue or unlevel wall surfaces
 - Wall Start: $+1/4"$ to $-1/4"$
 - Adjustable Wall Start: $+3/8"$ to $-3/8"$
- Adds to the wall run width
 - Wall Start: 1"
 - Adjustable Wall Start: $1-3/4"$

- Wall Start can be cut on site
- Wall Start must be used with a Landscape Vertical Post Package when planning with Landscape fascias
- Adjustable Wall Start includes Vertical Post Package
- Does **not** route electrics or communication from the building architecture wall

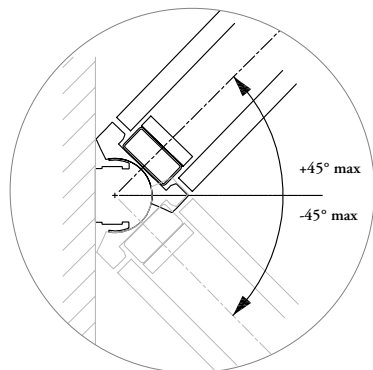
Wall Finished End (FKF)

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

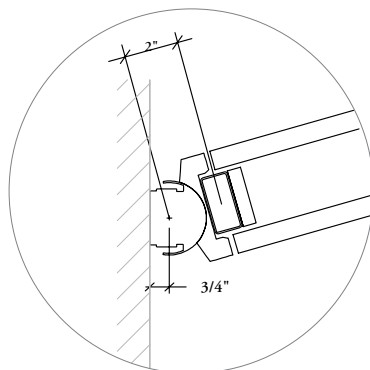


Variable Angle Wall Start (FKWA)

- Used at the beginning or end of a run connecting to building wall, mullion or columns
- Accommodates minor width variation from $-1/4"$ to $+3/8"$
- When wall start is at nominal position from the building, the Altos wall can start at any angle between -45° and $+45^\circ$
- When wall start is at minimum position ($1/2"$) from building the Altos wall can start at any angle between -38° and $+38^\circ$
- 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



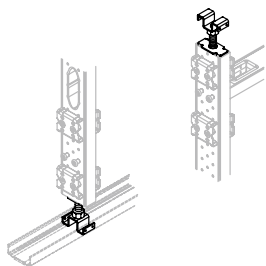
Nominal Adjustment



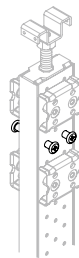
Minimum Adjustment

frame kit component basics – landscape

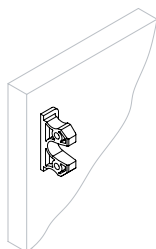
Altos frame kits come with all necessary connection components however, certain components can also be purchased individually if required. See Price & Product Guide for details of these products.



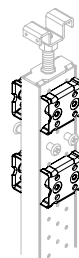
Base Levelers (FBB)



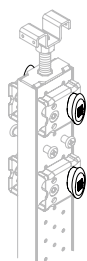
Horizontal Shoulder Screw (FBN)



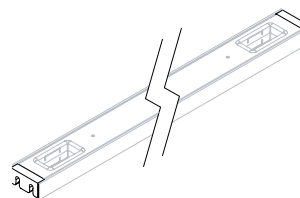
Fascia Connector – Male (FBFM)



Fascia Connector – Female (FBFF)



Fascia Lock (FKL)



Horizontal End Cap (FBE)

landscape –
lighting, electrics &
communications

landscape – lighting, electrics & communications

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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.

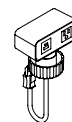
Check local codes for potential limits or restrictions on products. Local authority approval may be required prior use.

	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 • 5D • 7G • 8T • 8K
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

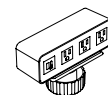
comparing electrics & communication methods – landscape (continued)

	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, refer to Landscape wall-mounted light basics and Landscape Desk Basics	- Electrics accessories for on the Altos Desk * For more details, refer to Desk Accessory Basics section
benefits	Powers Altos Desk and Light with integrated cables and power feed contained within the wall	User accessible accessories available on the Altos Desk for power and data requirements
features	- Available in many wire systems - Comparable with standard electrical wiring systems - Easy to disconnect for relocation	- Dual or Quad power cube available with power, USB or data options - Power Rod available with four power simplexes
wire systems	• 4B • 5D • 6G • 7G • 8T • 8K	Plugs into In-Wall Distribution Box (ELWDB)
electrical components available	- ECF Ceiling/Underfloor Feed - Light Power Feed (ELPF) - In-Wall Distribution Box (ELWDB) - Landscape Desk Connecting Hardness (ELDH) - Landscape Light Wire Management (ELWMG) - Landscape Wall-Mounted Light (ELWML)	- Power Cube (EPWRC) - Power Cube, High Capacity (EPWRH) - Power Rod (ELPR) - Rectangular Grommet (FLGR)

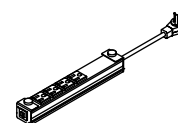
power accessories



Power Cube (EPWRC)



Power Cube, High Capacity (EPWRH)



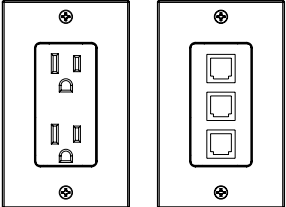
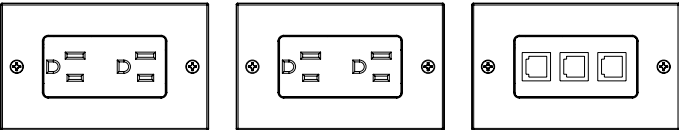
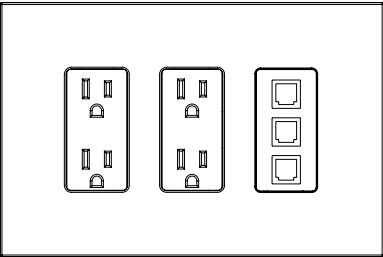
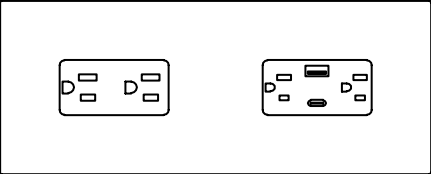
Power Rod (ELPR)



Rectangular Grommet (FLGR)

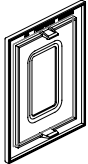
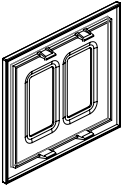
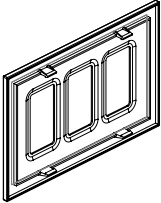
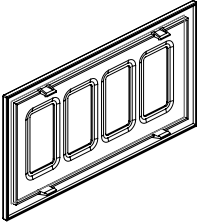
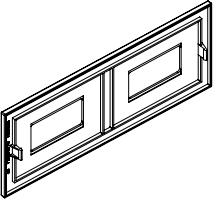
comparing electrics & communication methods – landscape (continued)

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.

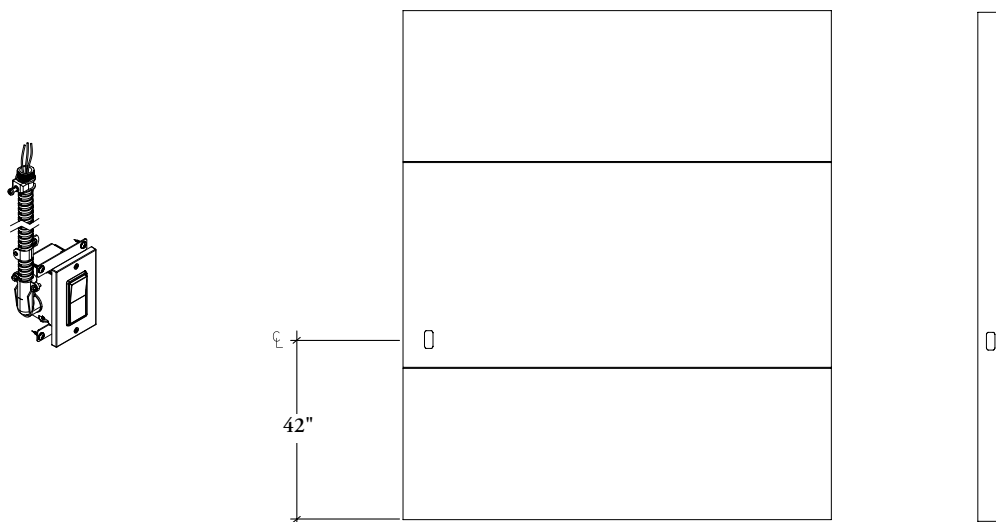
Description	Where Used	Overall Dimensions & Image
Single size faceplate for Horizontal and Vertical Power Data Module	EPDHC EPDHS EPDMC EPDMS ERGMS	Width= 4.196 inches (107 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs 
Double size faceplate for Vertical Power 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



wall-mounted light basics – landscape

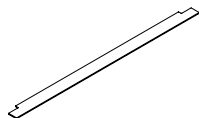
The Landscape Wall-Mounted Light provides a lighting solution for both task and ambient lighting within a workspace.

Landscape Wall-Mounted Light (ELWML)

Provides lighting capability in task and ambient modes and can be mounted on the 60" or 84" horizontal datum.

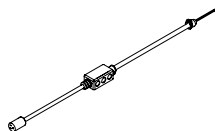


Landscape Wall Mounted Light



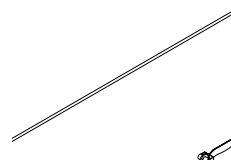
Landscape Wall-Mounted Light (ELWML)

- 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)

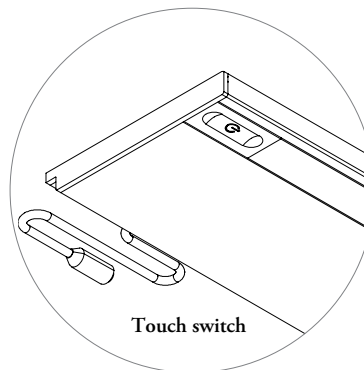
- Touch activated step dimming button located beside the lens
- Left handed light shown

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)



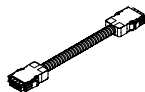
Touch switch

collection support electrics – landscape



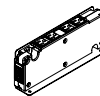
Ceiling/Underfloor (ECF)

- 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



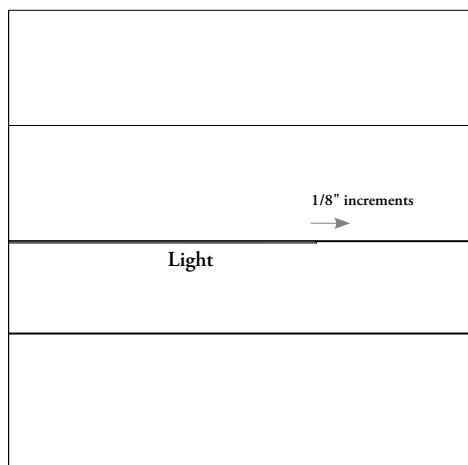
In-Wall Distribution Box (ELWDB)

- 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

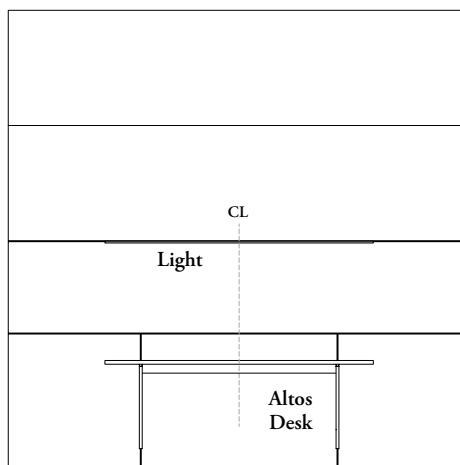
The following should be considered when planning with Landscape Wall-Mounted Lights.

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



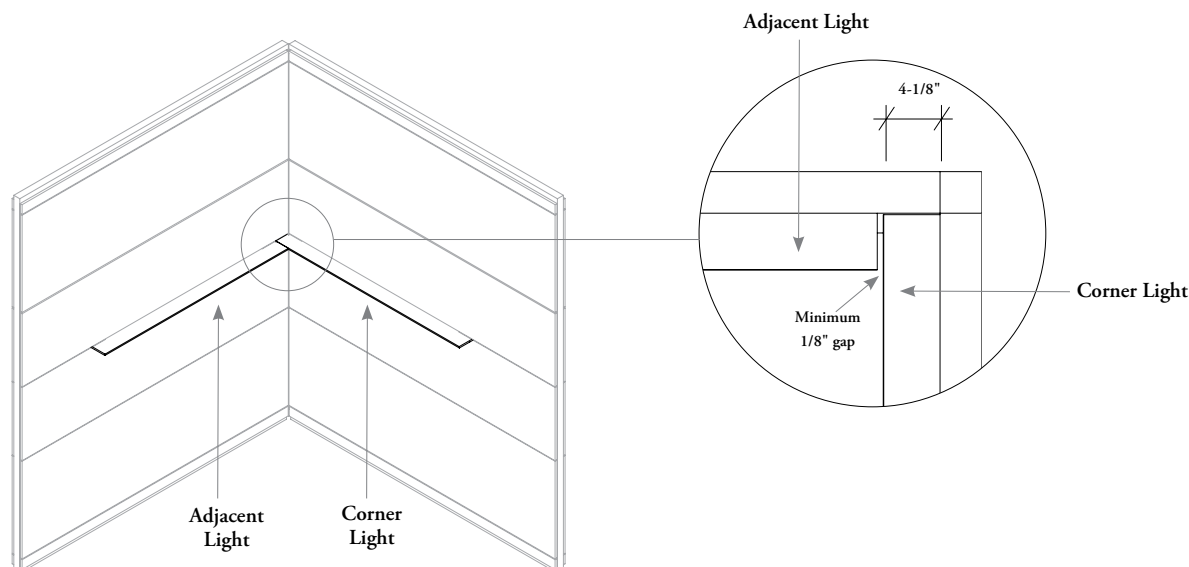
Placement horizontally on a wall

- 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

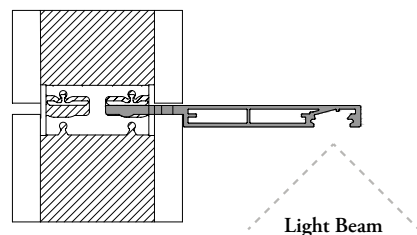
- When planning two Lights in a corner wall module the adjacent Light must be specified to be a minimum of 4-1/8" from the edge of the wall module to accommodate the Lights depth as well as a 1/8" gap.

planning with wall-mounted lights – landscape (continued)

The Landscape Wall-Mounted Light can be mounted in two different applications; task and ambient.

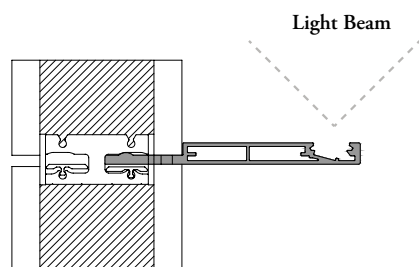
Task Light

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



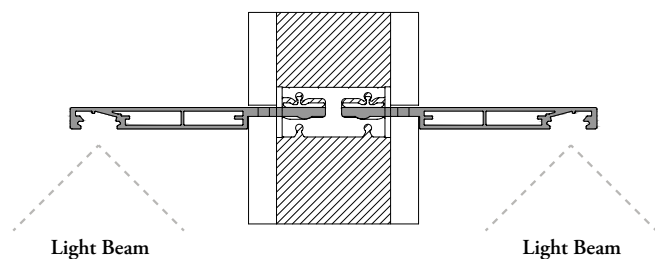
Ambient Light

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

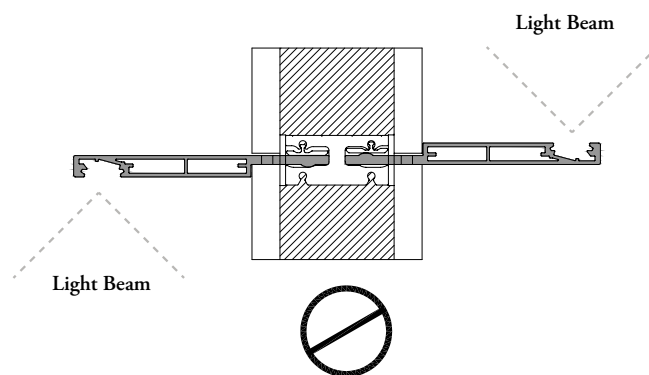


When Landscape Wall-Mounted Lights are planned back-to-back they must be specified as the same application on both sides of the wall.

Task and Task

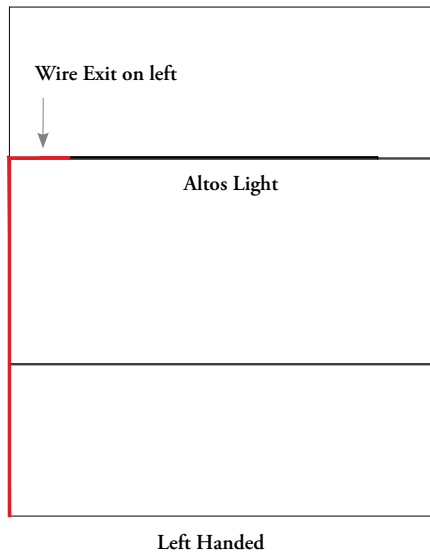


Task and Ambient

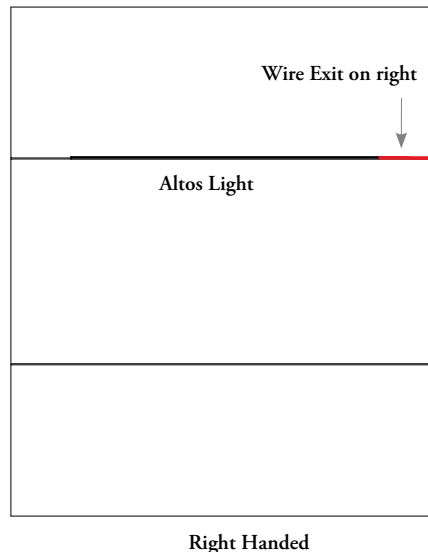


planning with wall-mounted lights – landscape (continued)

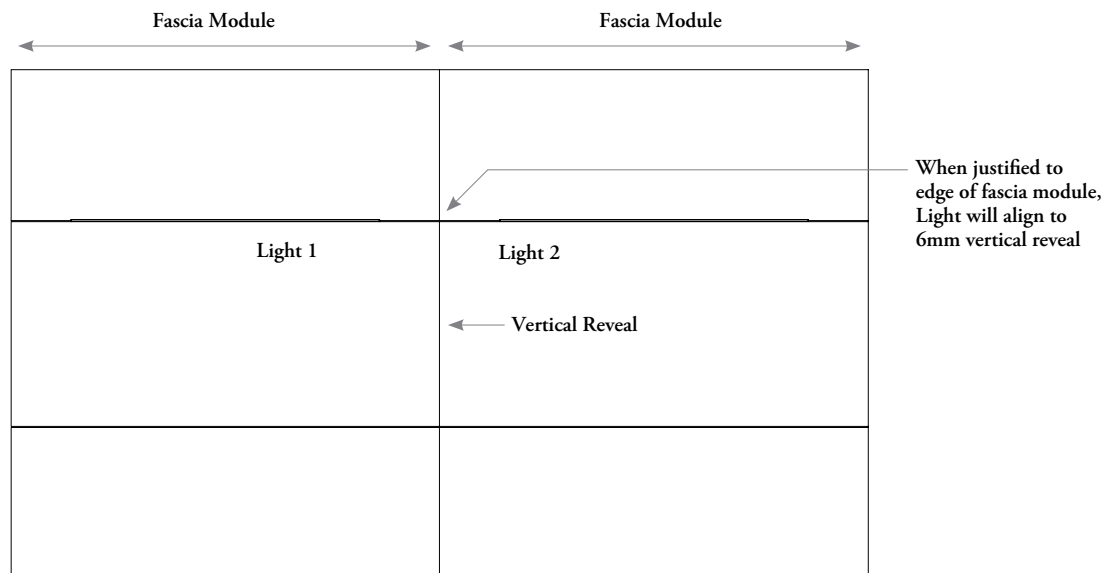
- Handedness for both task and ambient applications is determined by the location of the wire exit when the user is facing the wall.
- When specifying a Light with a Touch Sensitive Switch, the switch will be located on the same side of the light as the wire exit.
- When planning a Light without a Desk, 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).



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.



- 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

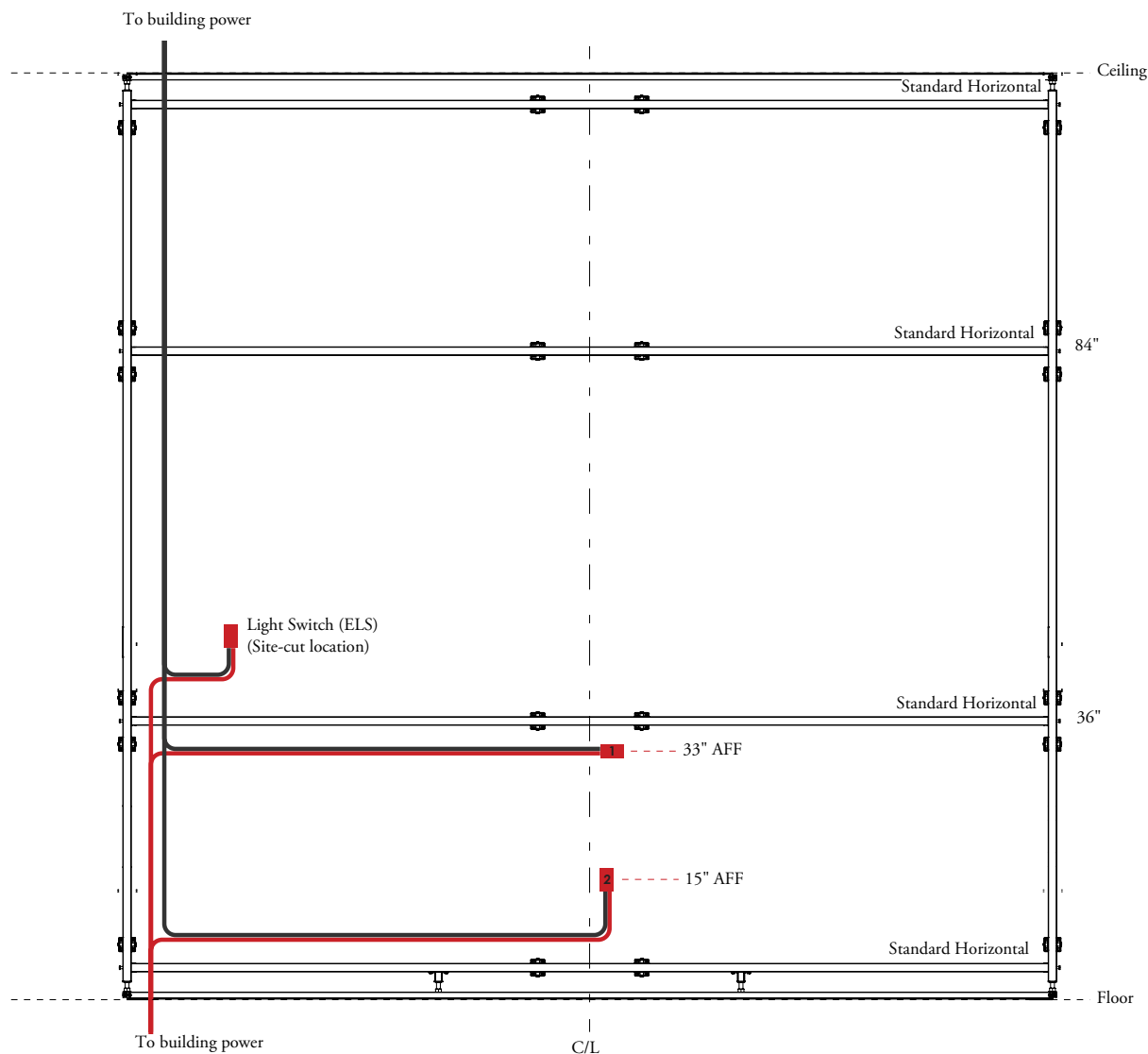
planning with wall-mounted lights – landscape (continued)

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)

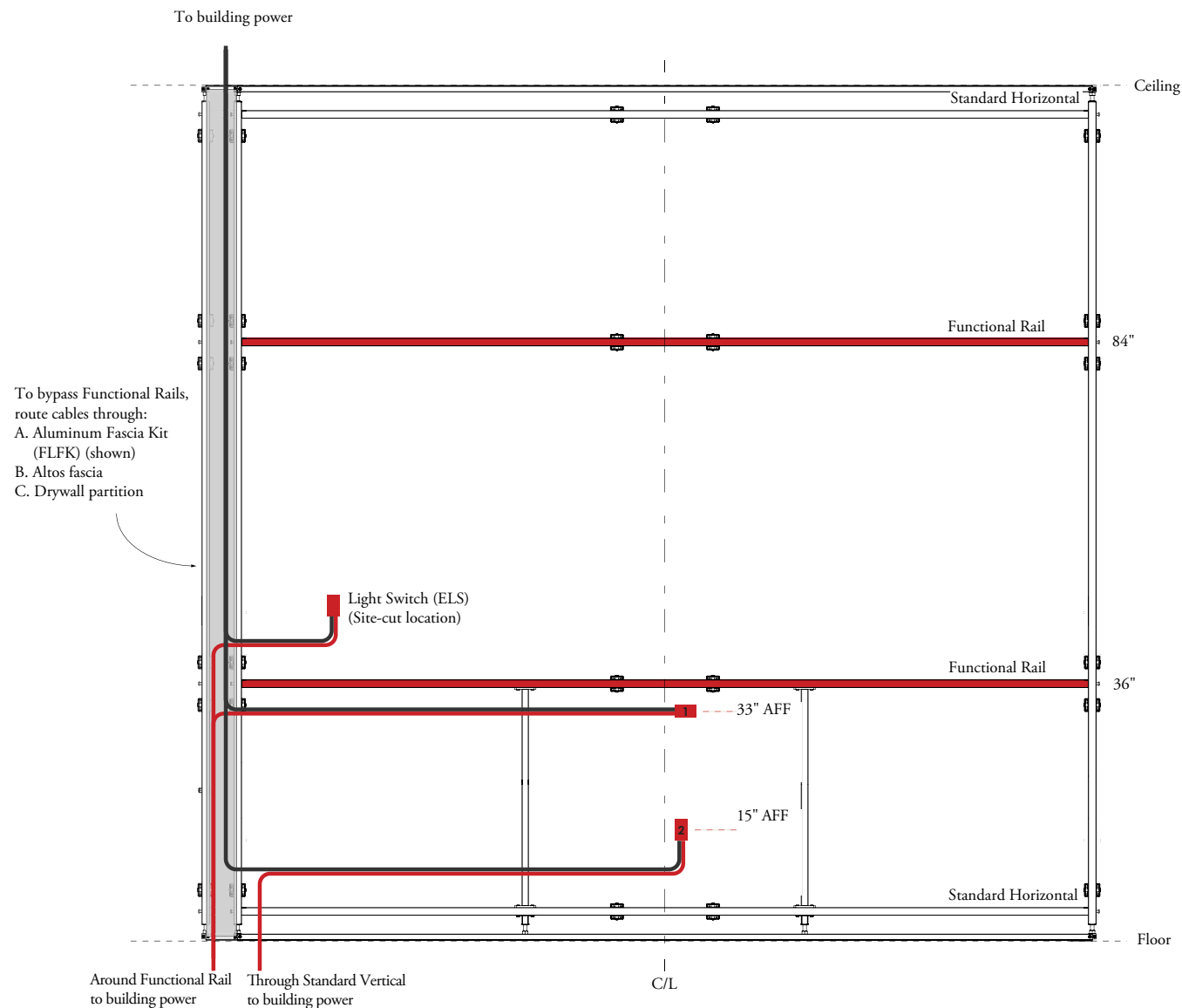
- Ceiling Feed condition
- Base Feed condition

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



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

OR

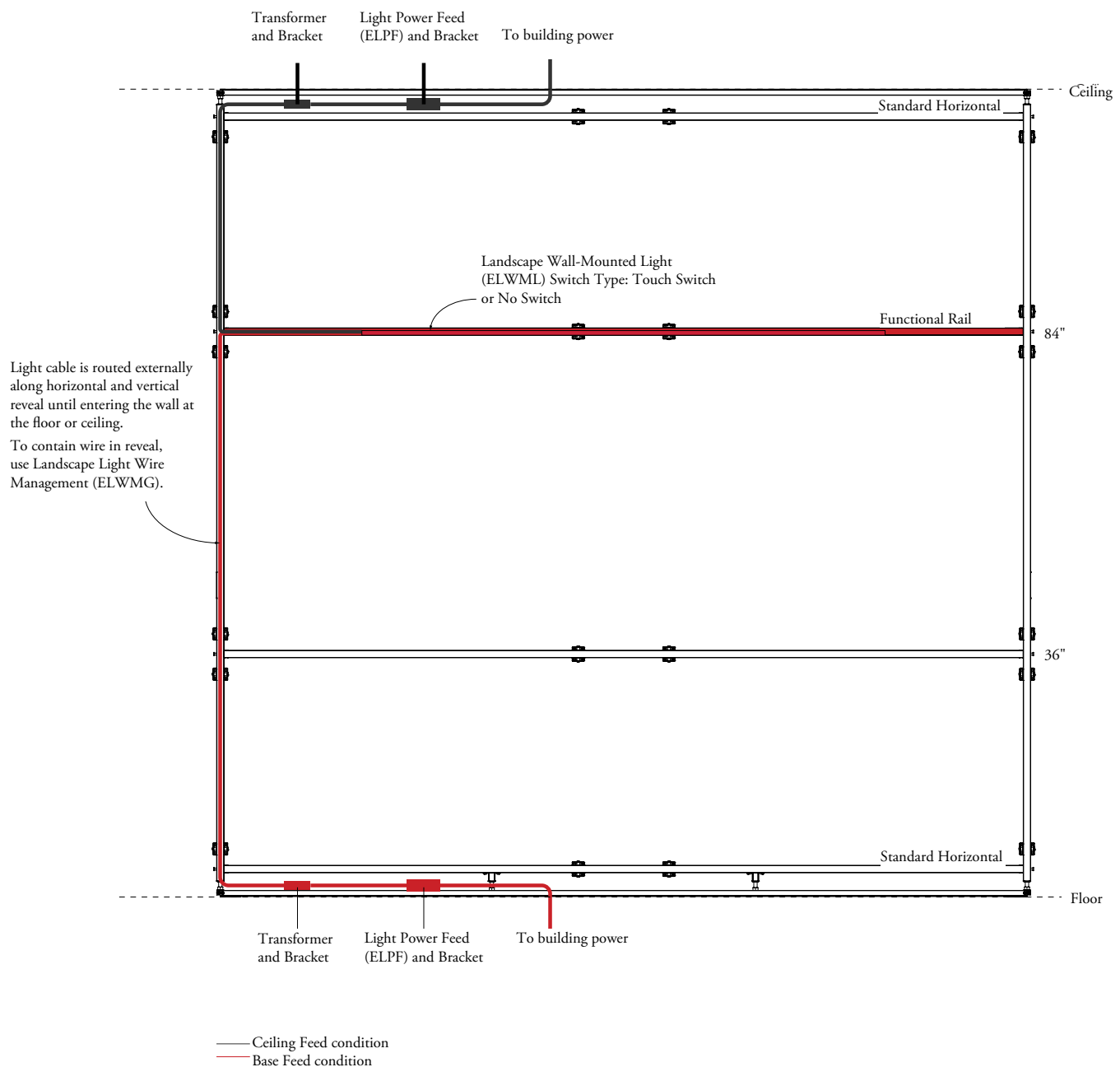
2. 15" Height Vertical Cut Out for:
 - Receptacle Module (ERM)
 - Communications Module (ECM)
 - Fascia Cover Cap (EFCC)
 - Power Data Vertical Modules (EPDMC, EPDMS, EPDMD, EPDMT, EPDMQ)

— Ceiling Feed condition
— Base Feed condition

planning with wall-mounted lights – landscape (continued)

Light (Touch Switch or No Switch)

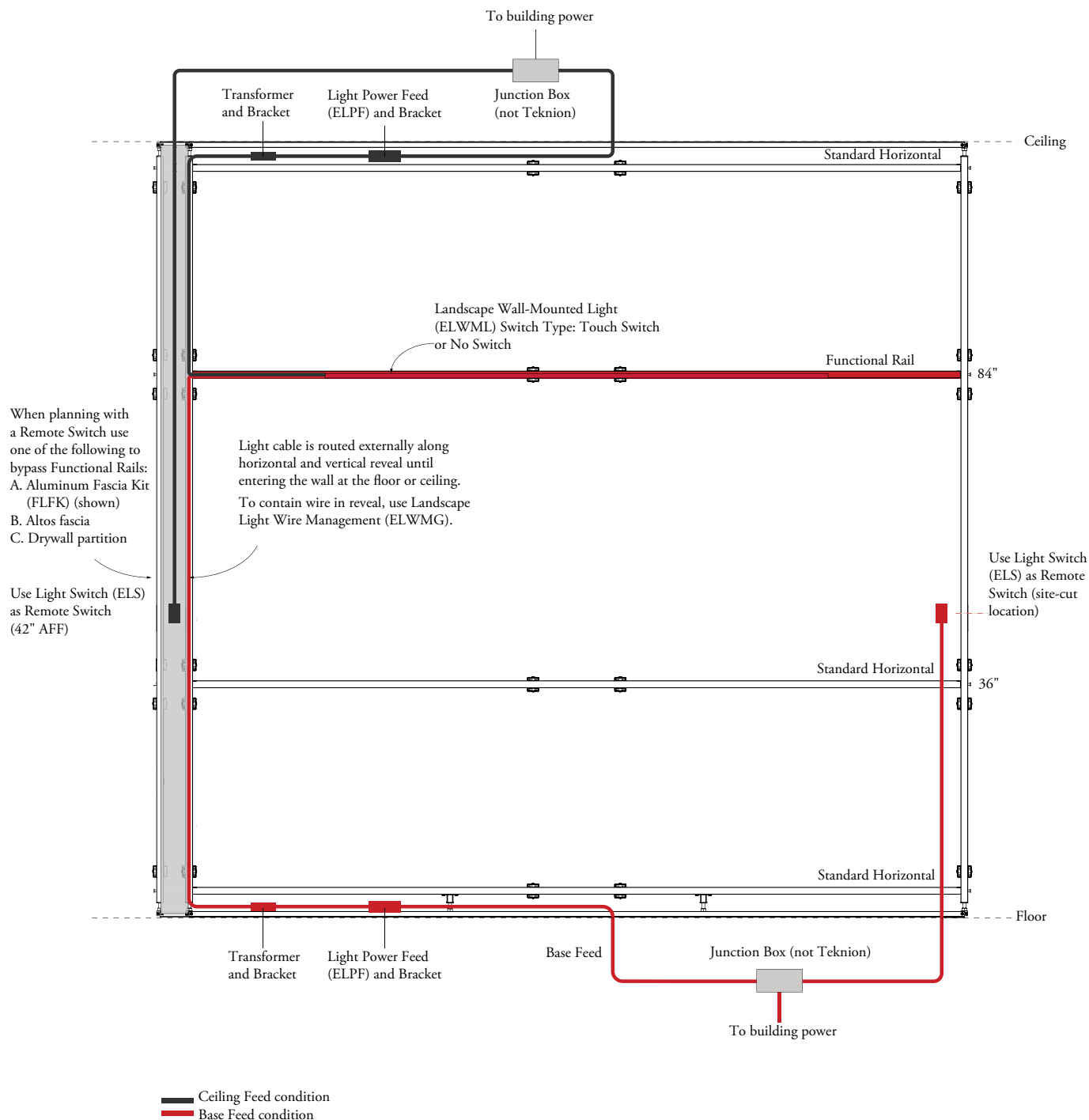
- When planning with the Landscape Wall-Mounted Light (ELWML) with either the Touch Switch or No Switch option, a Light Power Feed (ELPF) and Light Wire Management (ELWMG) must be specified as shown
- When planning with a Desk and Light together, see Desk and Light electrical routing scenarios
- Power 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



planning with wall-mounted lights – landscape (continued)

Light (Remote Switch)

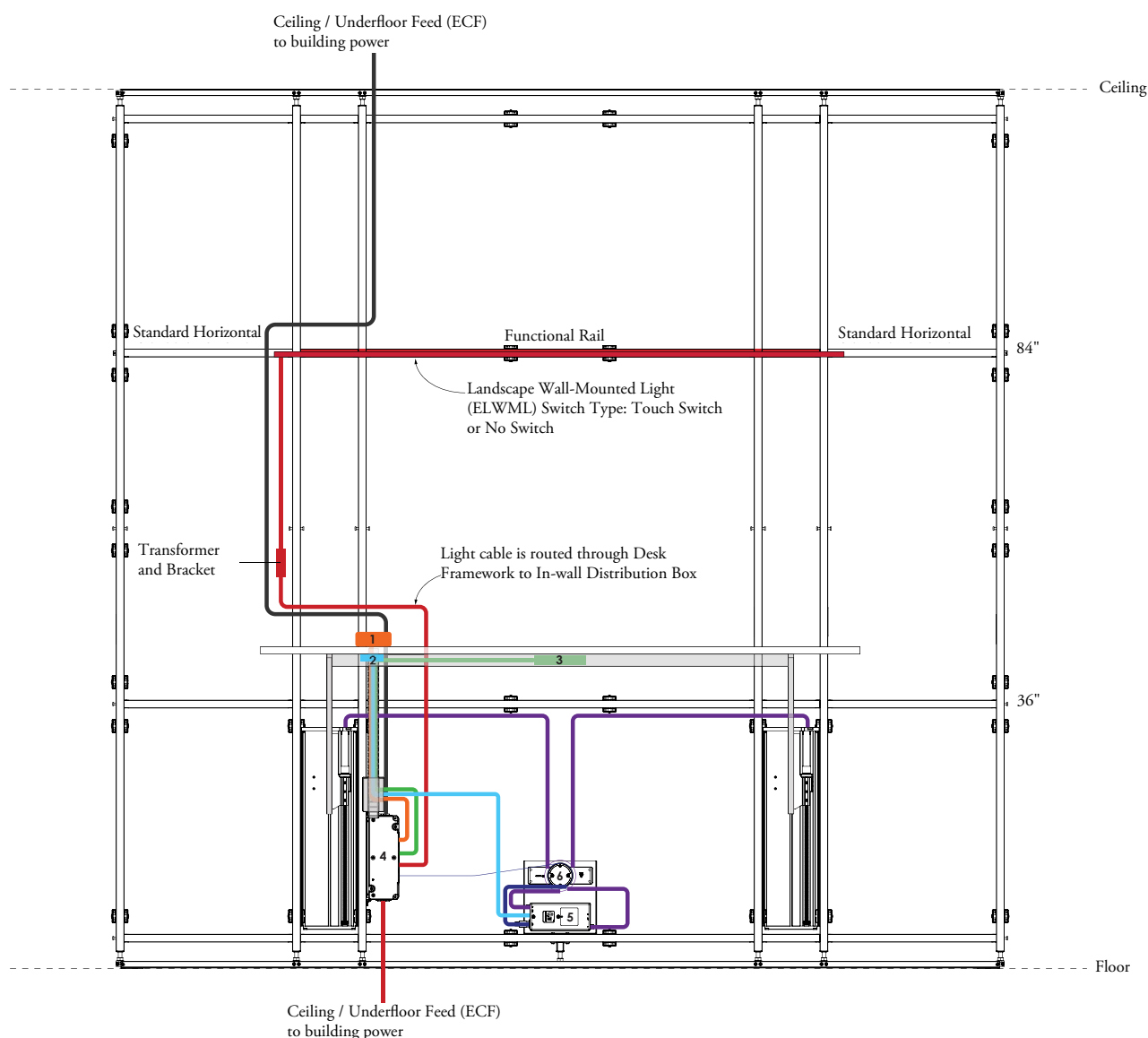
- When planning with the Landscape Wall-Mounted Light (ELWML) with the Remote Switch option, Light Power Feed (ELPF), Light Wire Management (ELWMG), and Light Switch (ELS) must be specified as shown.
- When planning with a Landscape Desk and Light together, see Desk and Light electrical routing scenarios
- 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



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 (ELWMLG) 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)



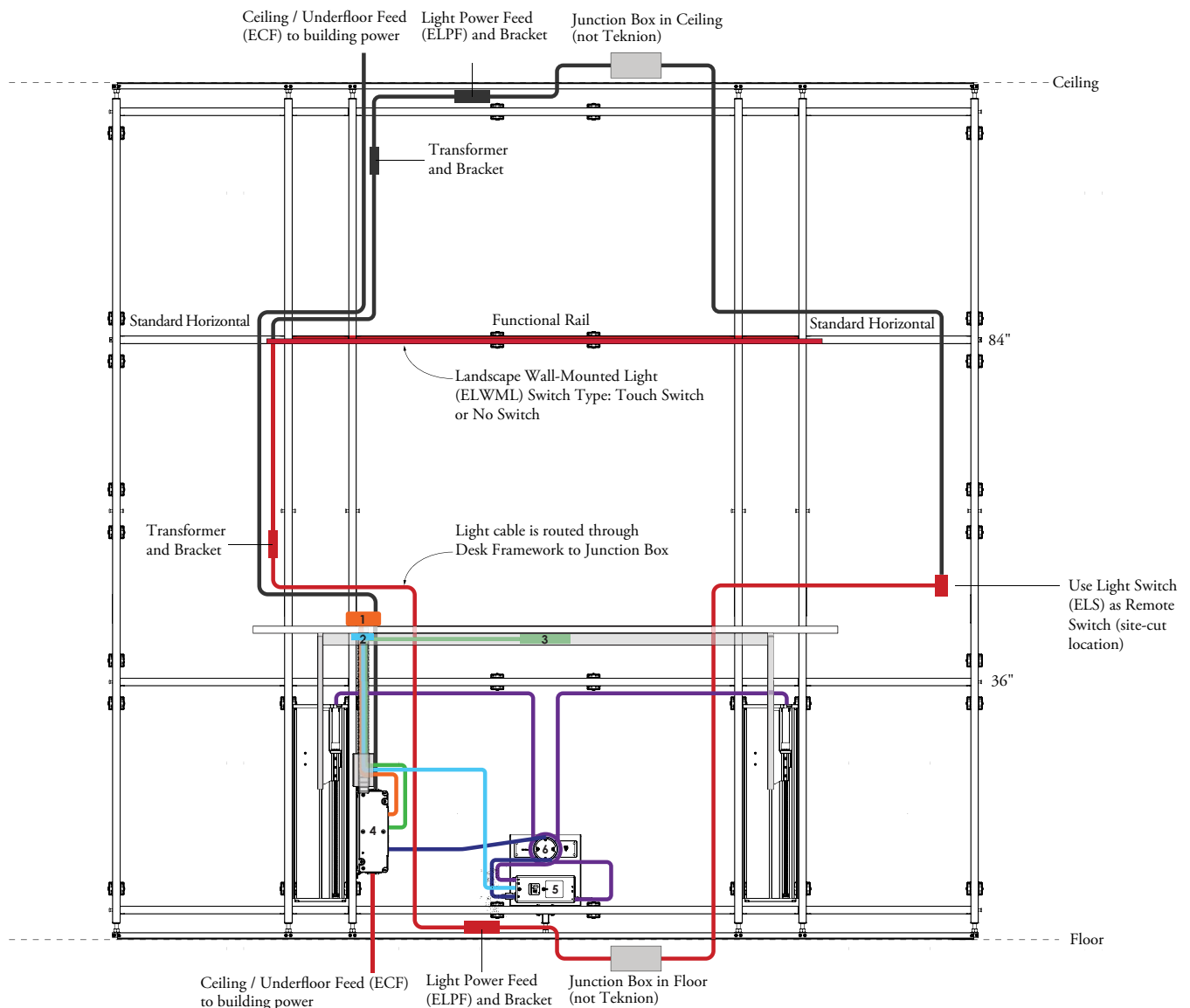
1. Power Cube (EPWRC or EPWRH)
2. Desk Switch
3. Power Rod (ELPR)
4. In-Wall Distribution Box (ELWDB)
5. Desk Control Box
6. Wire Management Reel

- 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)



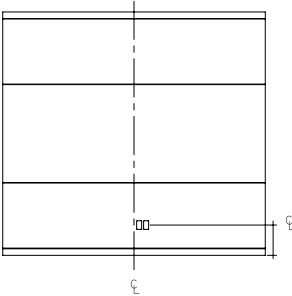
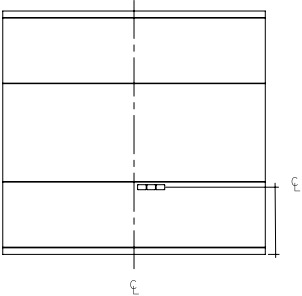
1. Power Cube (EPWRC)
2. Desk Switch
3. Power Rod (ELPR)
4. In-Wall Distribution Box (ELWDB)
5. Desk Control Box
6. Wire Management Reel

- 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 1	DL 2	TL 3	QL 4
	33" AFF Height (worksurface height)	FL 5	GL 6 7		
	Combined Heights (15" and worksurface heights)	LL 8 9	ML 10 11		
Hardwire	15" AFF Height	4L 12	3L 13 14		
	33" AFF Height (worksurface height)	XL 15	YL 16 17	ZL 18 19 20	

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.

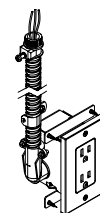
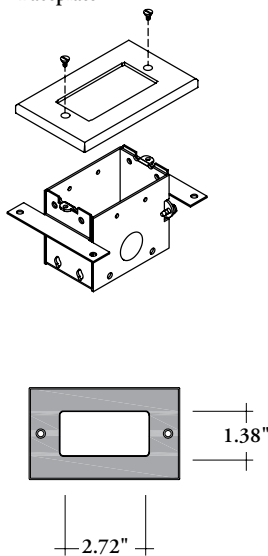
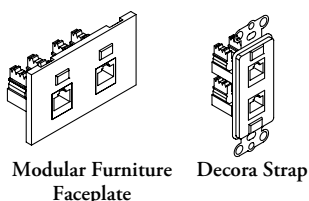
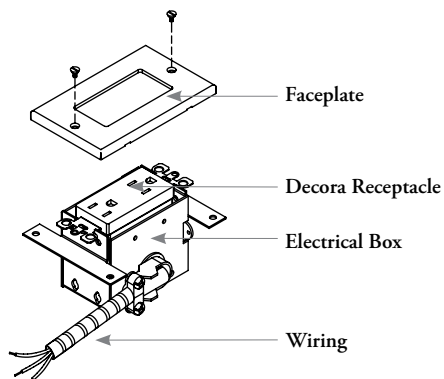
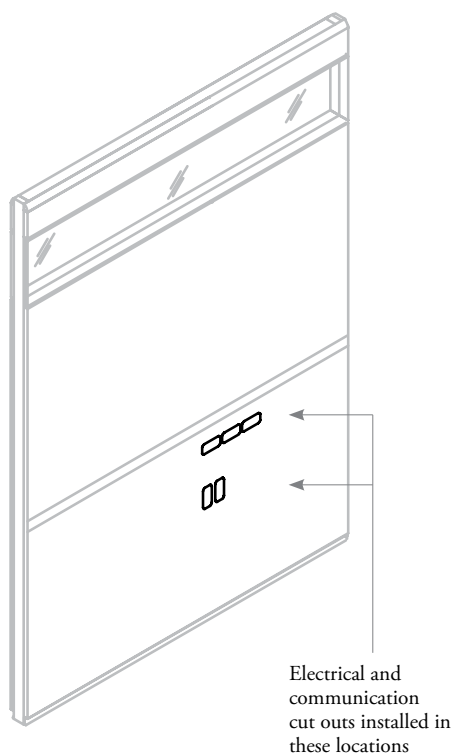
Fascia Cover Caps (EFCC) can be ordered to cover unused hardwired cut outs by size.

		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

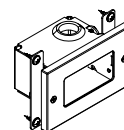
Hardwire components consist of receptacle modules and communications modules.

- 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



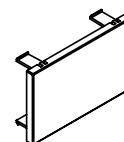
Receptacle Module (ERM)

- 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)

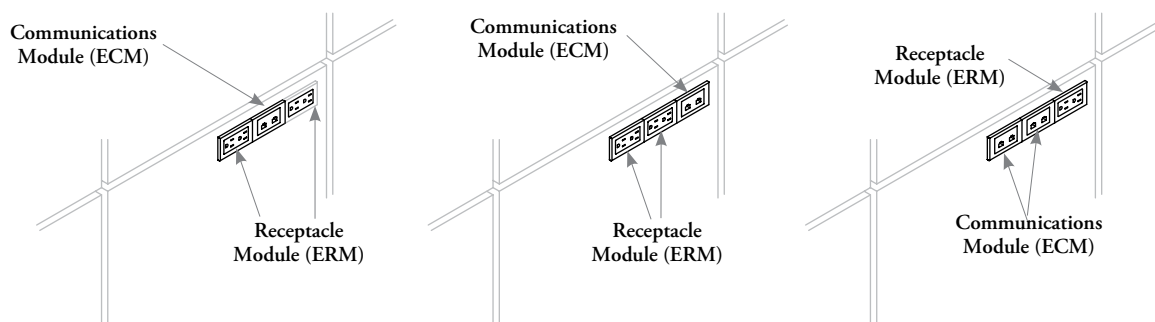


Fascia Cover Cap (EFCC)

- The Fascia Cover Cap covers any unused Fascia cut outs for Hardwired electrics.

hardwire electrics & communications basics – landscape (continued)

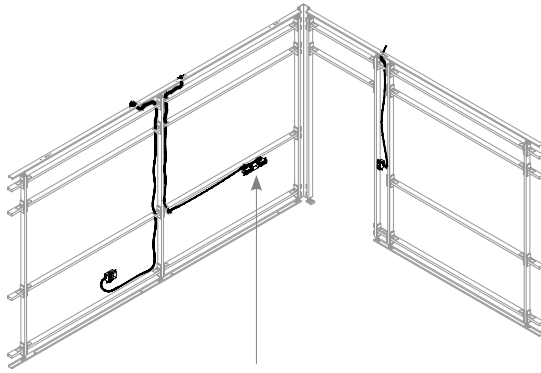
- One size cut out fits both receptacle and Communications Modules
- Any combination of Receptacles or Communications Module are possible



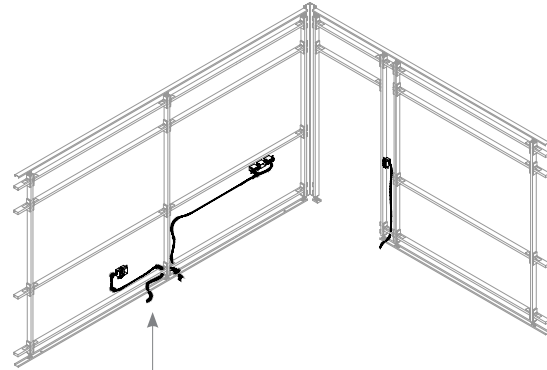
planning with hardwire electrical & communications – landscape

The following should be considered when planning with hardwire electrics and communications.

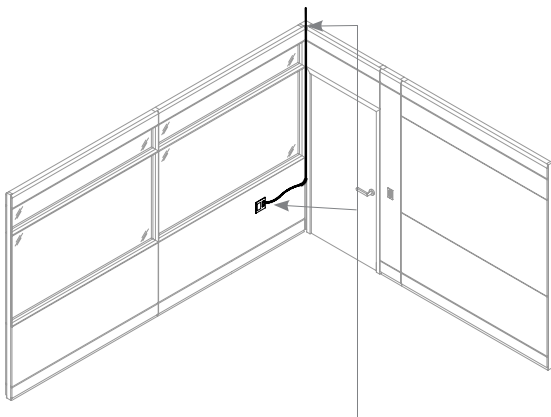
Electrical and communication cables are fed from the ceiling or from access floors through cut outs in the Ceiling or Base Channels to Receptacle and Communications Modules.



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

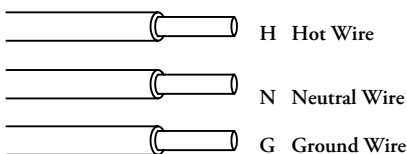


Ceiling feed must be routed vertically through corner connections when planning with clerestories or glazed Fascias and horizontally to Receptacle or Communications Modules

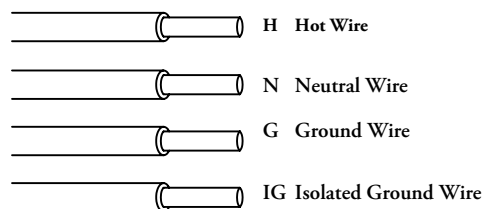
Hardwired Circuit Diagram

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

Standard Circuit



Isolated Ground Circuit

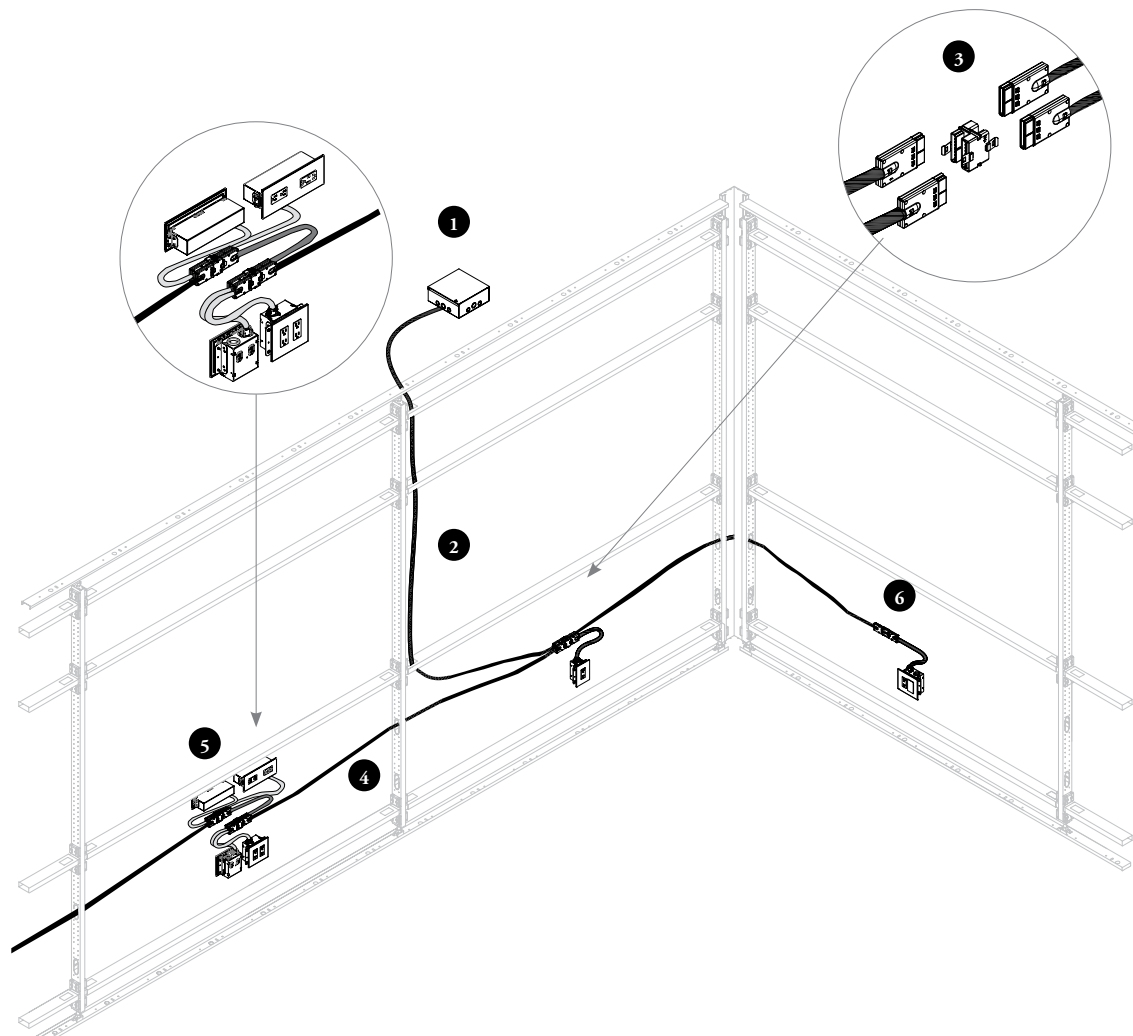


(for isolated ground: orange receptacle)

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.



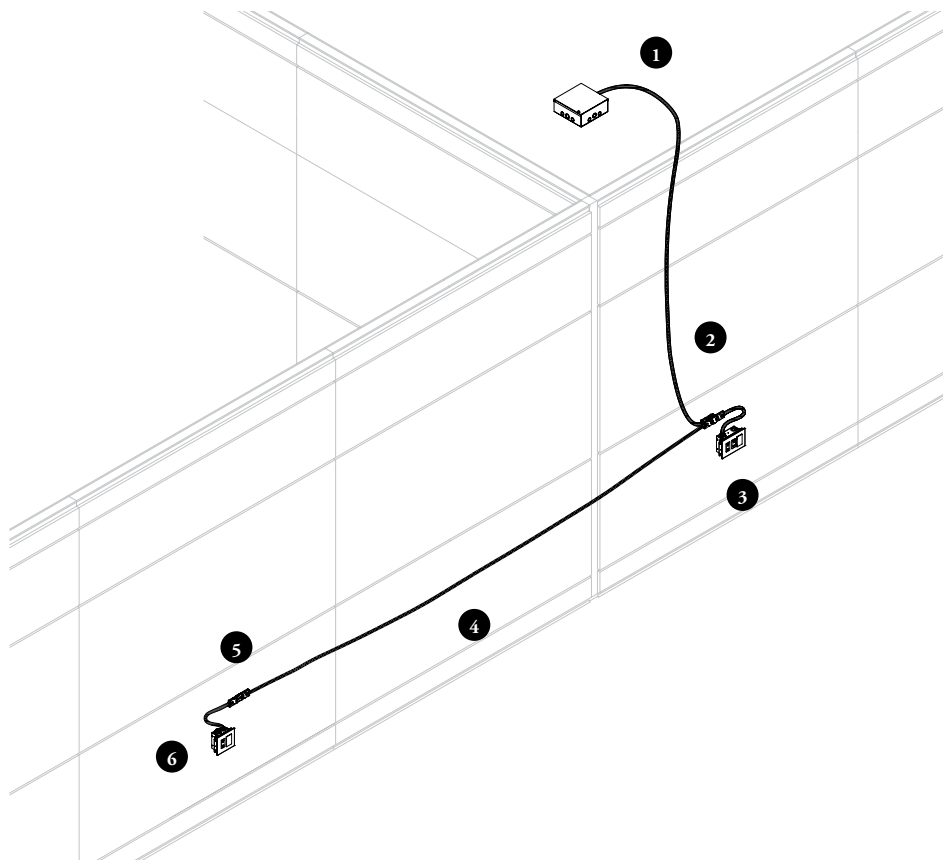
- ❶ Power is provided to Altos walls by a building junction box provided by others
- ❷ Power Data **Starter Cable** (EPDSC) - Connects to the building's junction box (by a certified electrician). Cables are fed from the ceiling or from access floors through cut outs in the ceiling or base channels to the Power Data Modules
- ❸ **Four-Way Splitters** (EPDDB) - Connects to the Starter Cable and allows daisy chaining as well as back to back
- ❹ Power Data **Connecting Harness** (EPDCH) can be specified to link modules or passing through panels without receptacles
- ❺ Modules can be mounted back to back to provide power to adjacent offices
- ❻ 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 is 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. 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

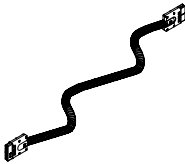
*All data openings include 1 cover plate for the communication outlet (color to match faceplate).

Connects to building communication network (no power).

Cables and data jacks for communication boxes to be provided by others.

power data components – landscape (continued)

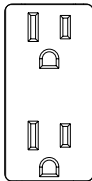
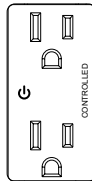
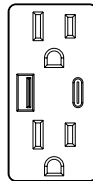
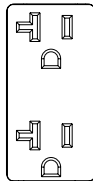
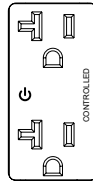
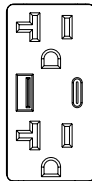
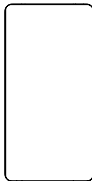
Power data electrics consists of the following components to route power to Altos panels.

	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. 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 Outler (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)

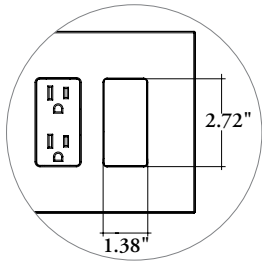
Cable compatibility: USB C
USB 2.0
USB 3.0

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:



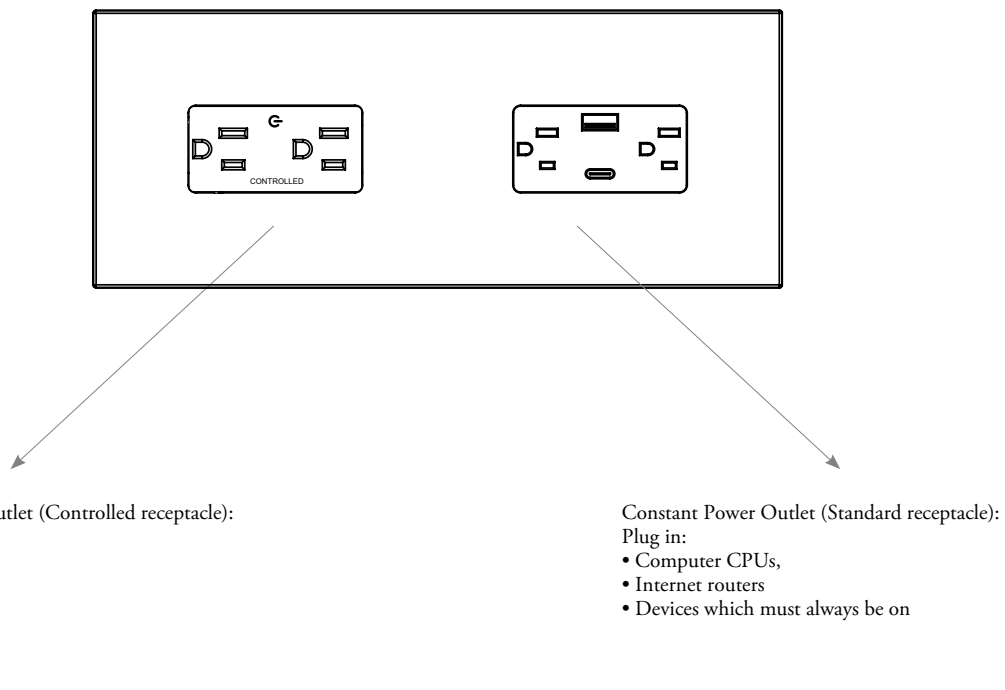
Data opening accepts modular furniture faceplates (supplied by others)

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



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

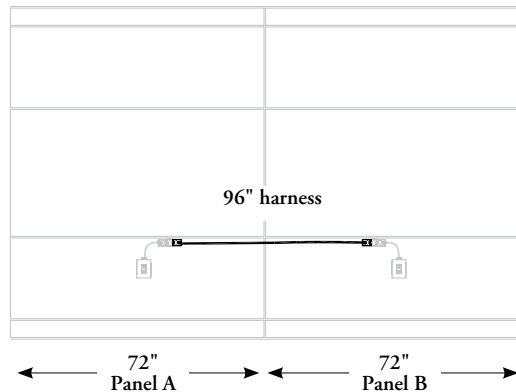


Always remember to include in-line connectors and four-way splitters to connect Power Data Modules and/or harnesses.

determinating harness lengths – landscape (continued)

The following examples will further explain these rules:

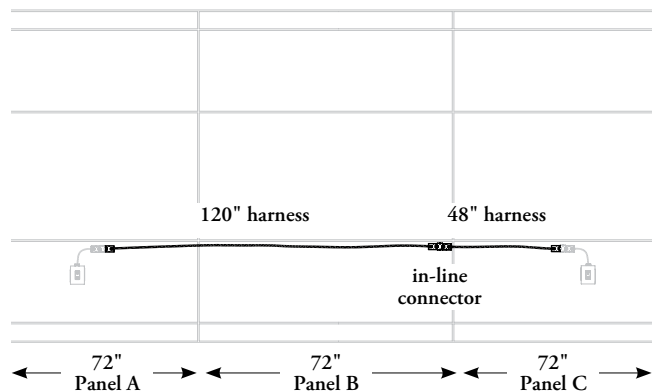
Adjacent panels with Power Data Modules at the same height.



Harness calculation:

$$\underbrace{\frac{72''}{2}}_A + \underbrace{\frac{72''}{2}}_B = \underbrace{72''}_{\text{calculated length}} \longrightarrow \underbrace{\text{EPDCH96}}_{\text{product to order}}$$

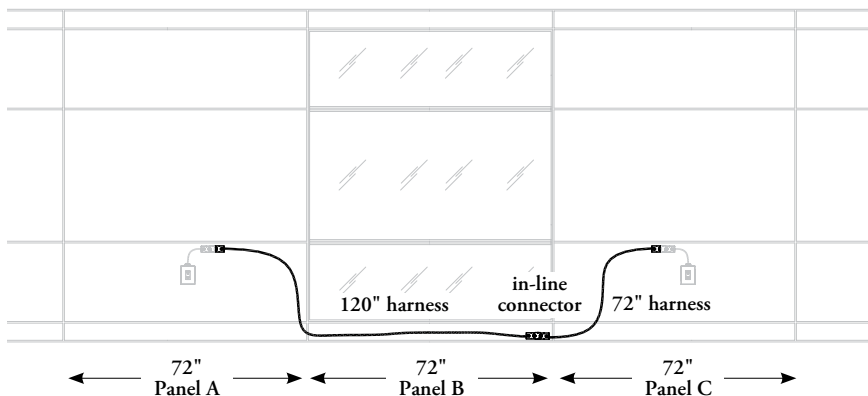
Passing through more than one panel, at the same height.



Harness calculation:

$$\underbrace{\frac{72''}{2}}_A + \underbrace{72''}_B + \underbrace{\frac{72''}{2}}_C = \underbrace{144''}_{\text{calculated length}} \longrightarrow \underbrace{\begin{matrix} \text{EPDCH120} \\ \text{EPDIC} \\ \text{EPDCH48} \end{matrix}}_{\text{products to order}}$$

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



Harness calculation:

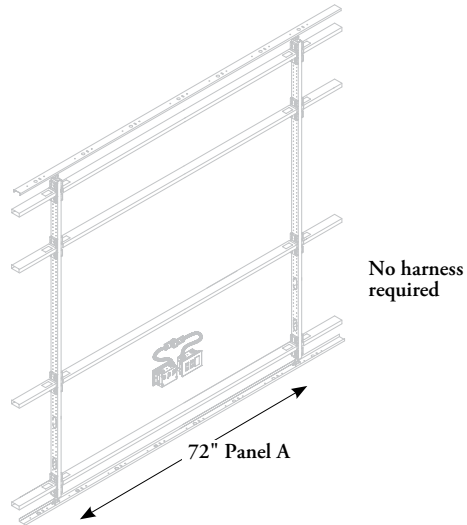
$$\underbrace{\frac{72''}{2}}_A + \underbrace{72''}_B + \underbrace{\frac{72''}{2}}_C + \underbrace{30''}_{\text{drop and rise}} = \underbrace{174''}_{\text{calculated length}} \longrightarrow \underbrace{\begin{matrix} \text{EPDCH120} \\ \text{EPDIC} \\ \text{EPDCH72} \end{matrix}}_{\text{products to order}}$$

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

determinating harness lengths – landscape (continued)

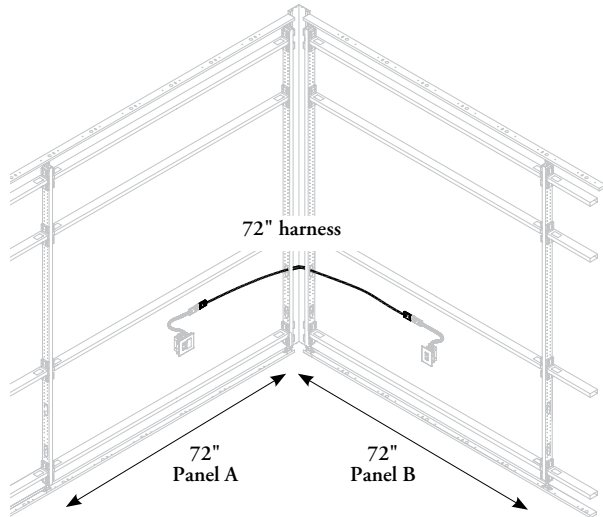
The following outlines the harness lengths required for connecting Power Data Modules.

Back-to-back modules



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

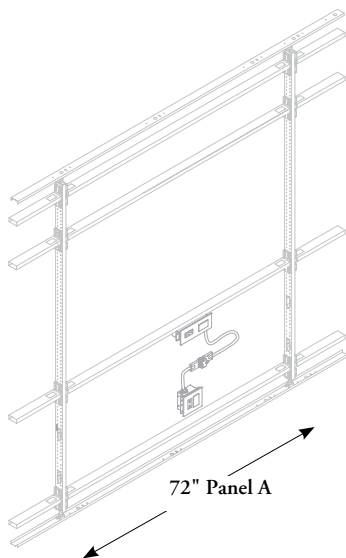
Passing through corner connections



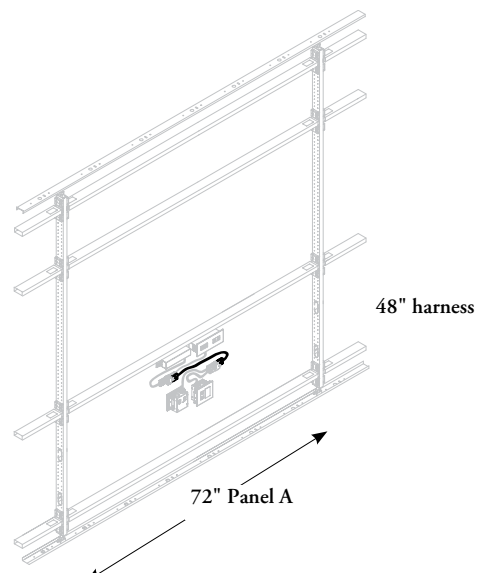
Harness calculation:

$$\underbrace{\frac{72}{2}}_A + \underbrace{\frac{72}{2}}_B + \underbrace{14}_{\text{pass thru post}} = \underbrace{86}_{\text{calculated length}} \rightarrow \underbrace{\text{EPDCH96}}_{\text{product to order}}$$

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



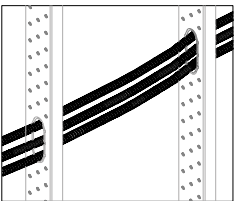
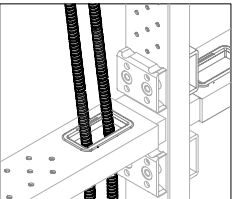
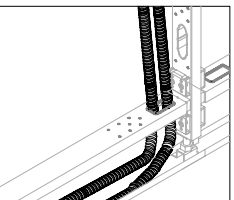
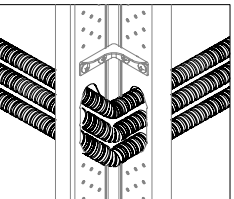
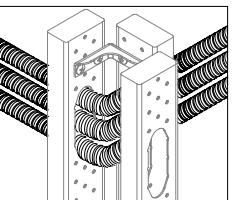
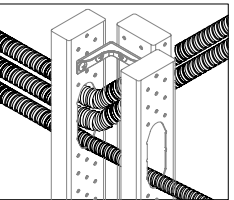
Connecting three or four Modules in the same panel



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.

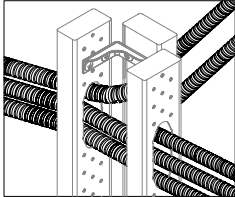
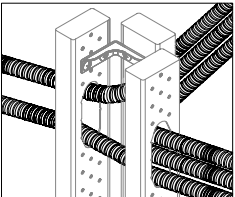
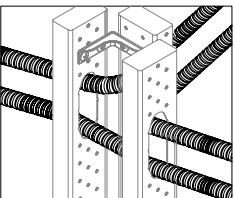
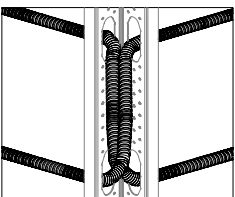
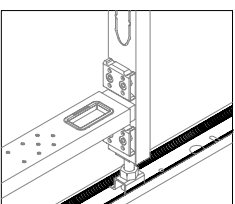
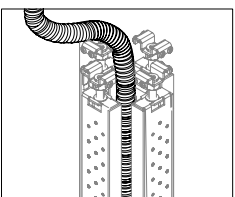
planning with power data power distribution– landscape

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)

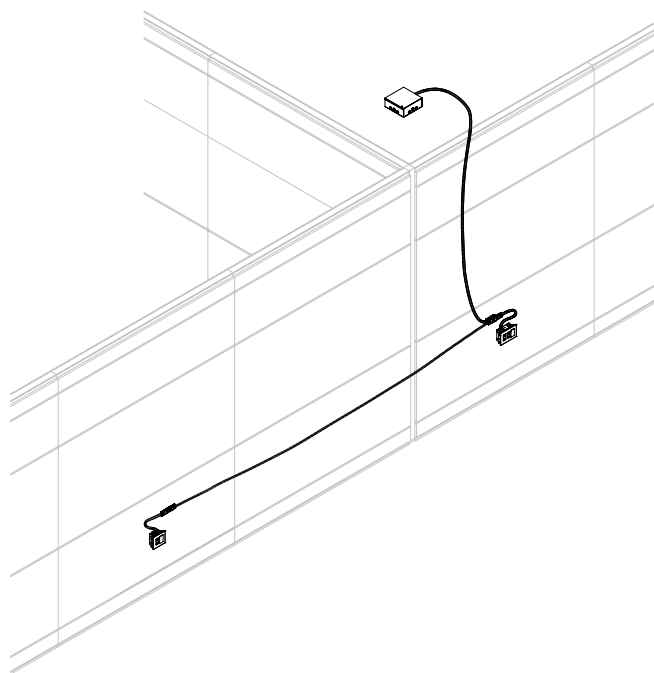
Power path		Number of maximum connectors per cut out	
		Portrait Power Data	Landscape Power Data
Three-Way 90°, through three vertical posts		3-2-3	3-2-3
Three-Way 90°, through three vertical posts		2-3-3 as shown	2-2-2 limit
Three-Way 90°, through three vertical posts		2-2-2	2-2-2
Four-Way, through 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

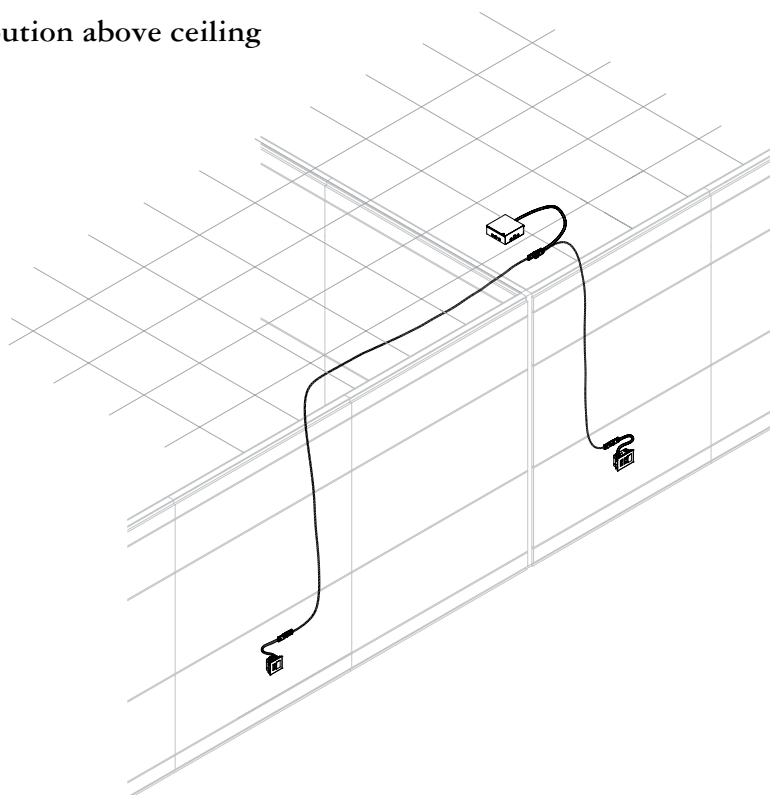
planning with power data power distribution – landscape (continued)

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

power distribution inside panels



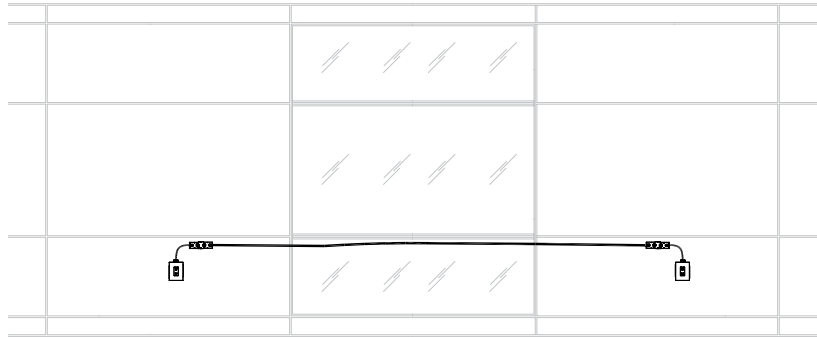
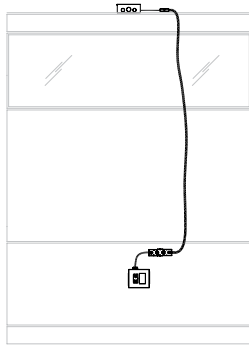
power distribution above ceiling



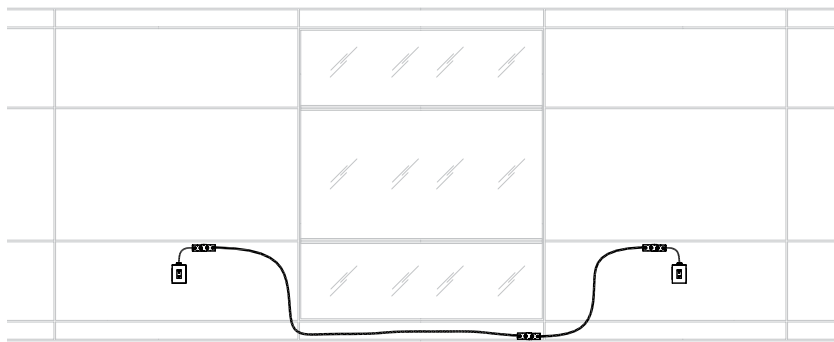
planning with power data power distribution – landscape (continued)

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

planning with glass fascias and functional rails

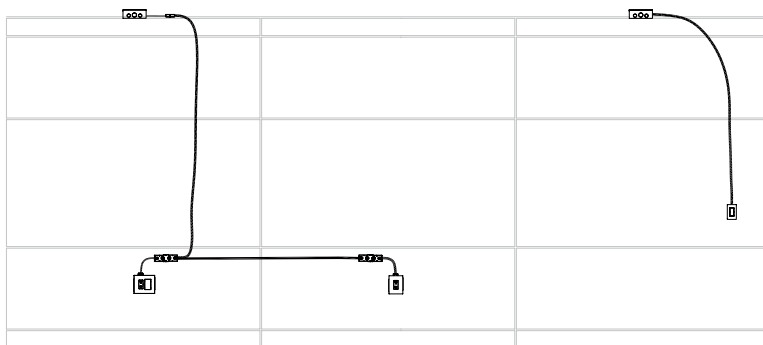


Power data components cannot be routed through Fascia packages that include glazed Fascias nor functional rails.



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

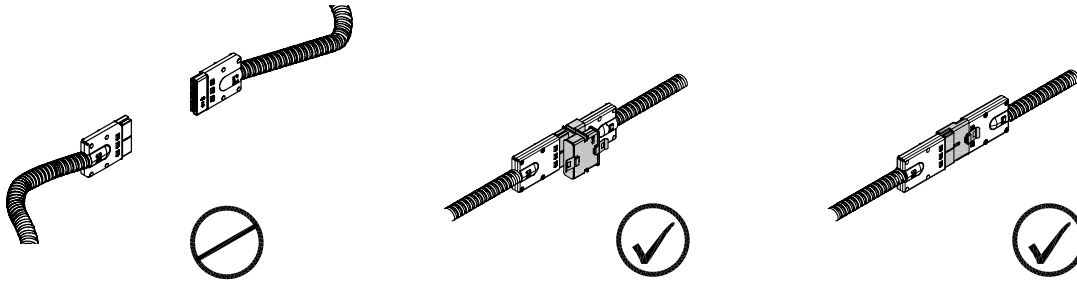
planning with light switches



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)

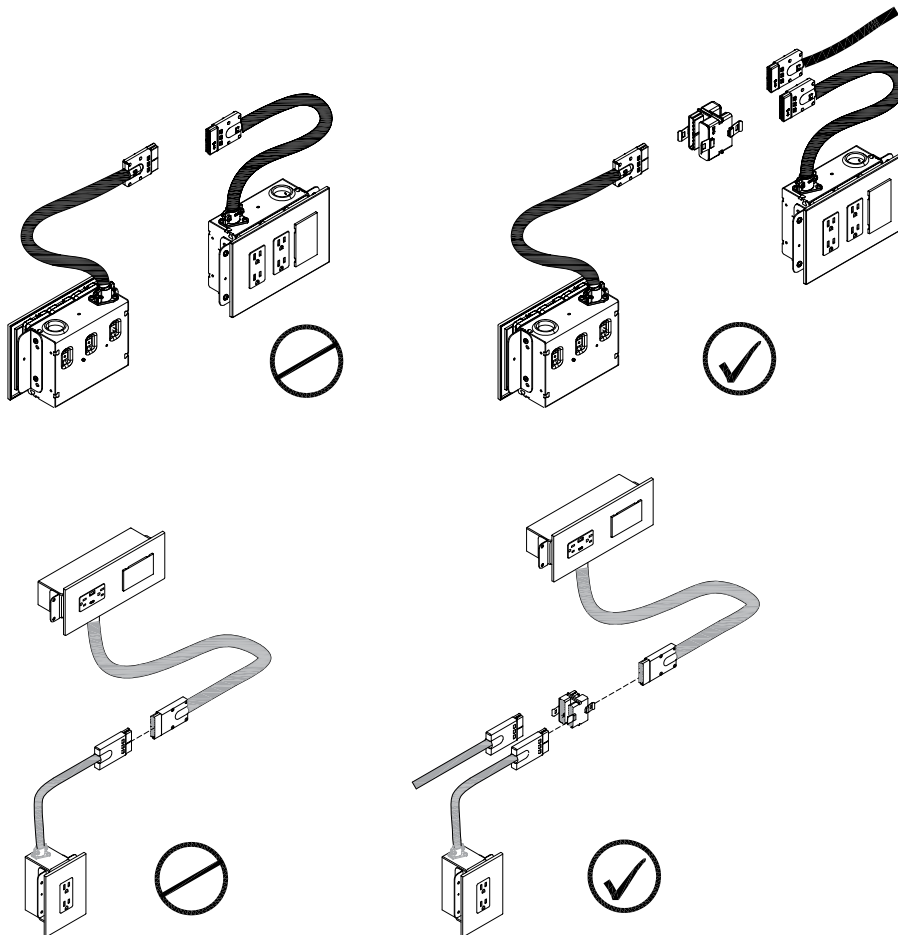
harness



Harnesses cannot be linked together.

An in-line connector or a four-way splitter should be specified to connect them.

power data modules



Power data modules cannot be linked together.

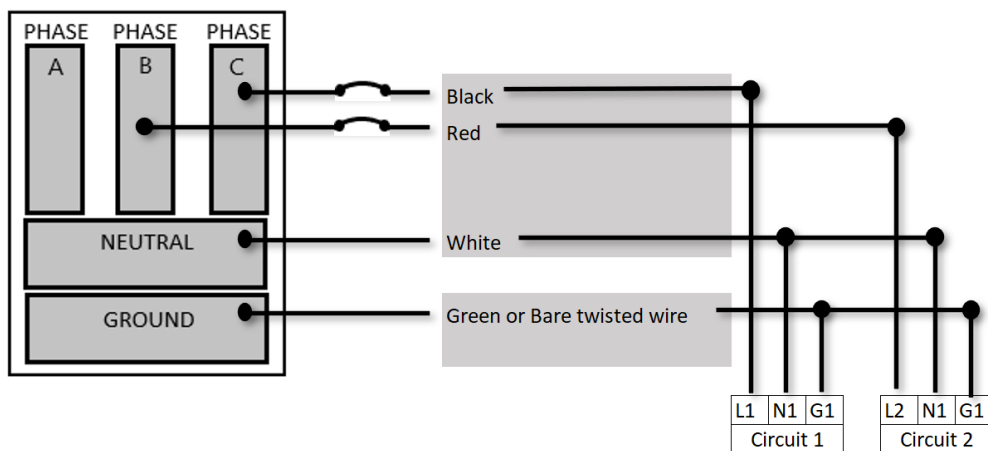
A four-way splitter should be specified to connect them.

power data information for electricians – landscape

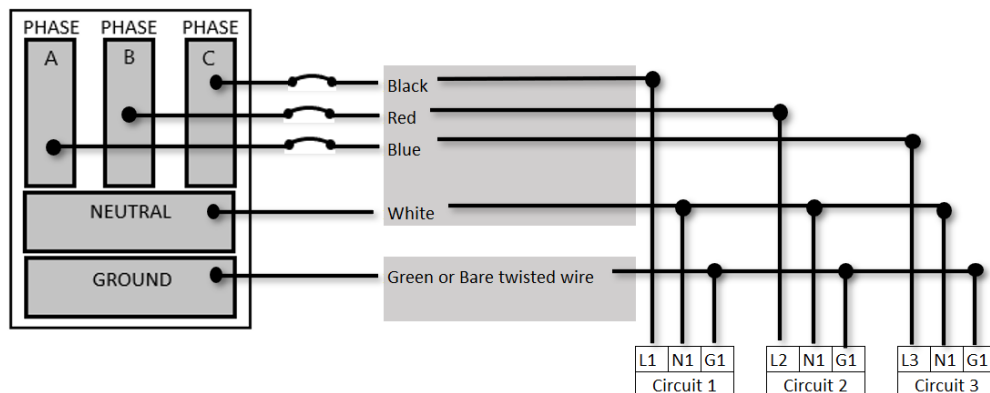
Connection to a grounded 3 phase WYE system - 120/208 V.

- 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, specify Teknion 4B or 5D wiring systems

4B 4-wire 2 circuit

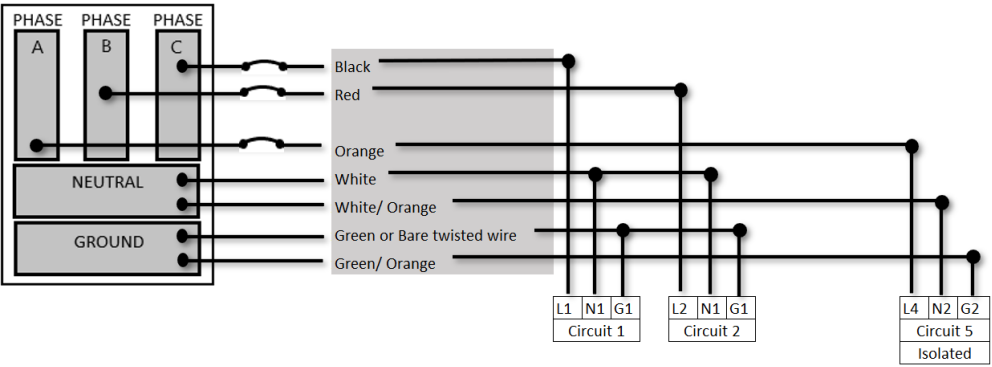


5D 5-wire 3 circuit

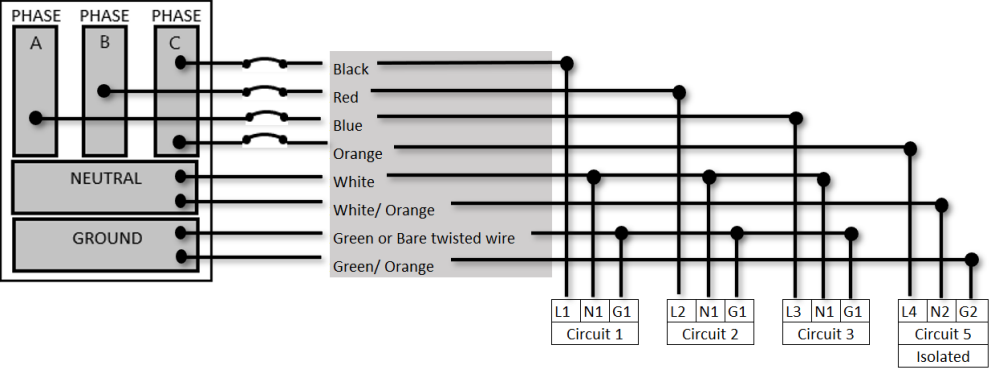


power data information for electricians – landscape (continued)

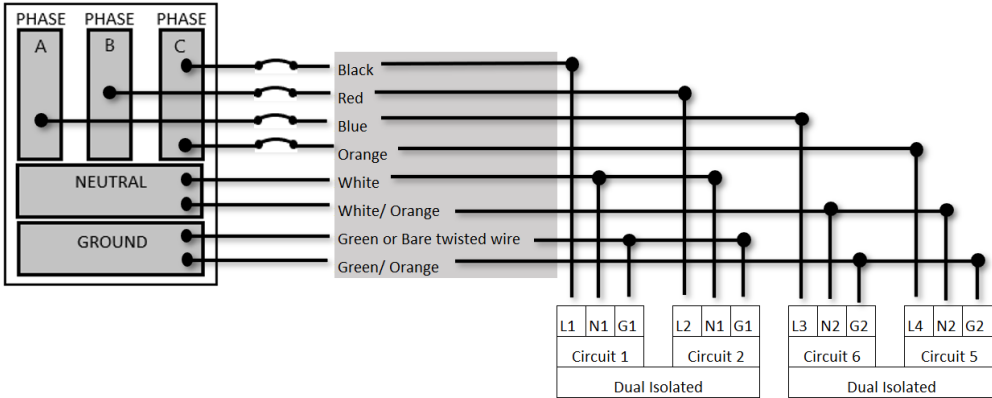
7G 7 Wire 3 circuit (2+1 Isolated Ground)



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

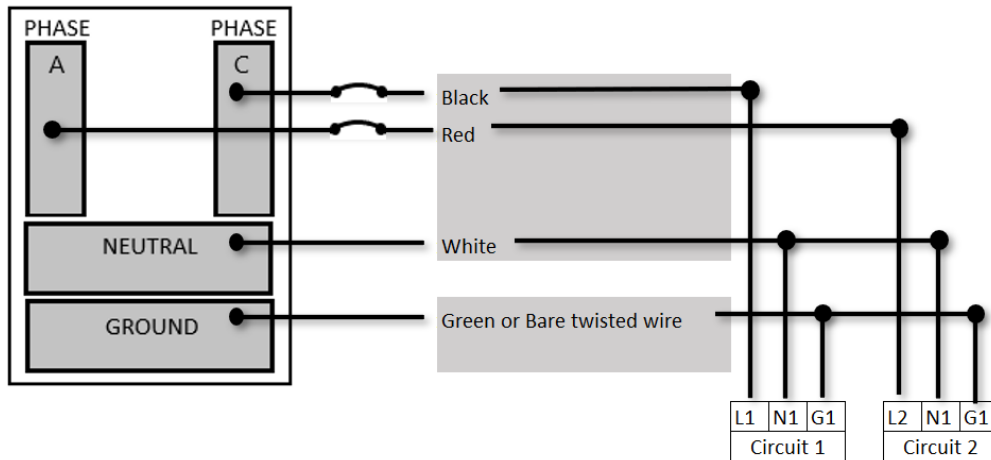


8K 8 Wire 4 circuit (2+2) - Dual isolated

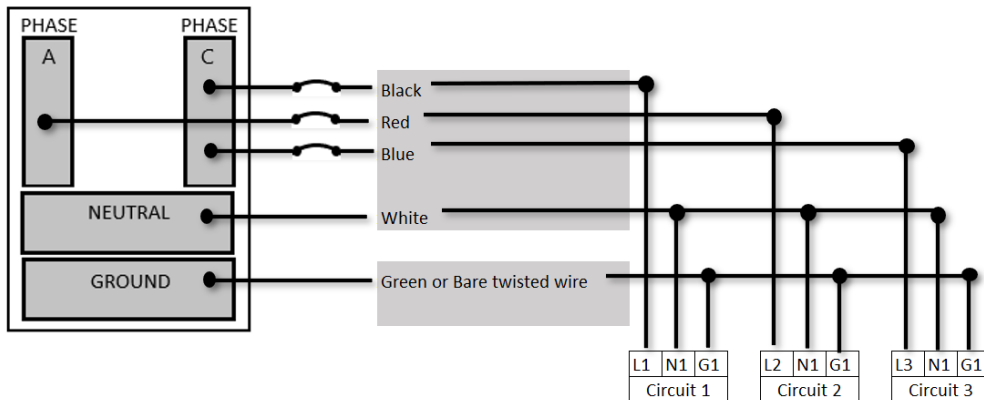


power data information for electricians – landscape (continued)

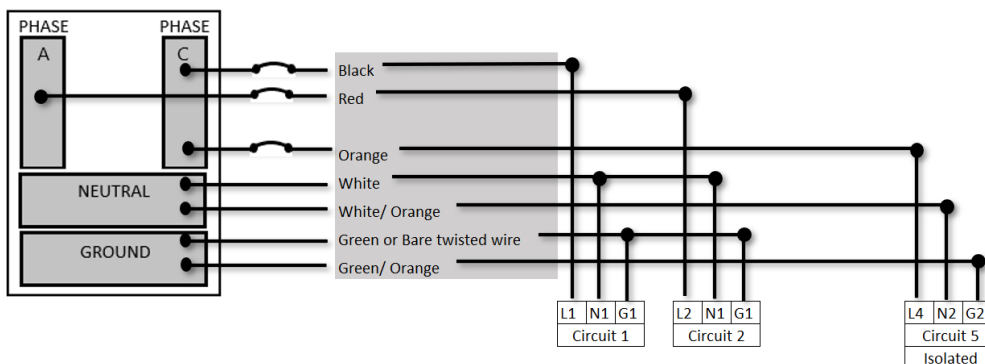
4B 4-wire 2 circuit



5D 5-wire 3 circuit

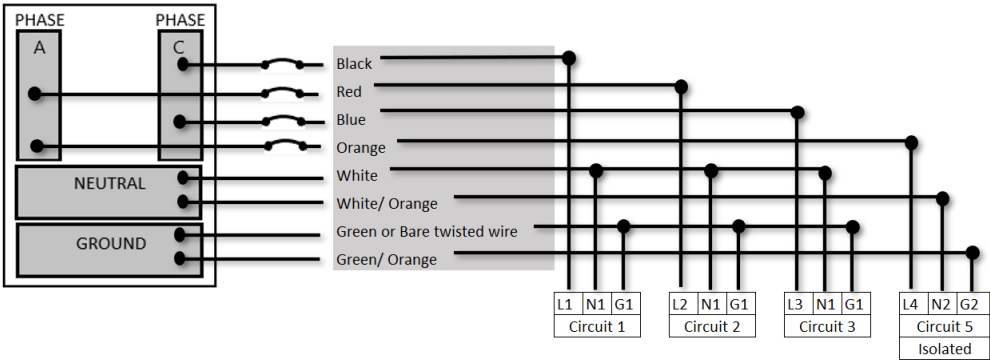


7G 7 Wire 3 circuit (2+1 Isolated Ground)

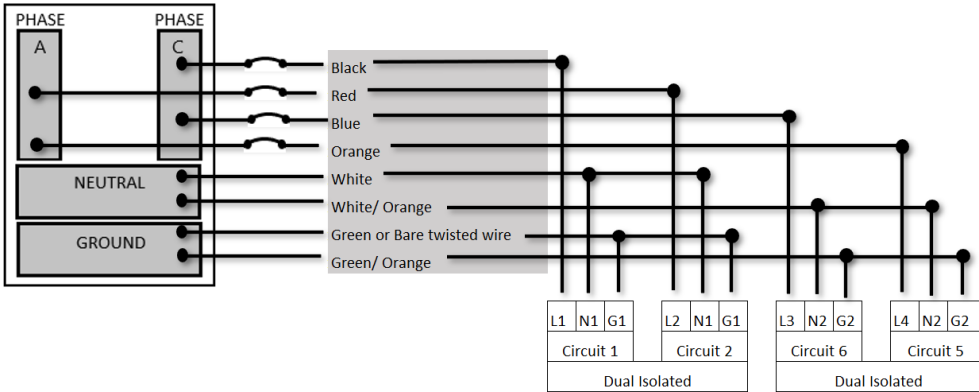


power data information for electricians – landscape (continued)

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.

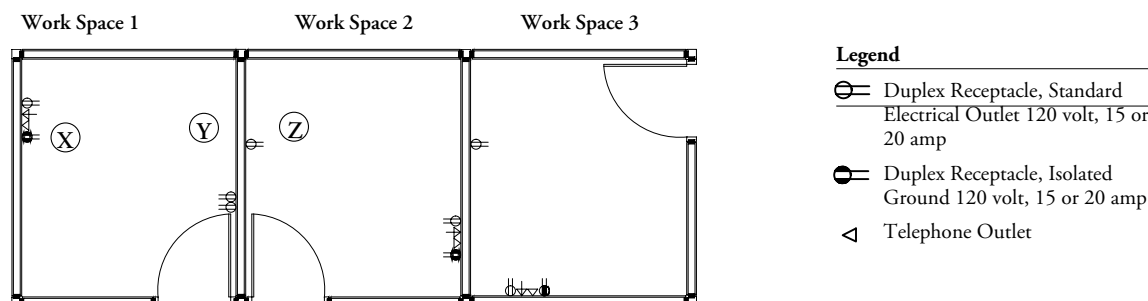
- The inside and outside elevations of one wall module can both be installed with Receptacle and/or Communications Modules
- Back-to-back installation of electrics and communications is possible due to offset mounting on Fascias

specifying method

step 1

Determine Fascia configuration and level of cut out

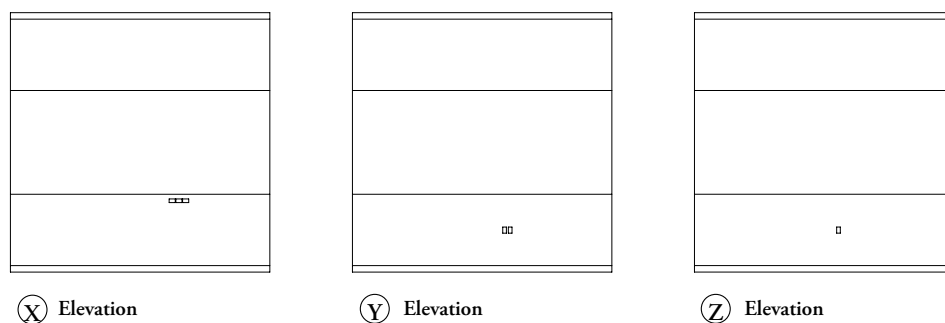
When power and/or communications is required, Altos Fascias must be specified with corresponding cut outs. Non-powered Fascias can be retrofitted with electrics and communications by ordering a single new Fascia with appropriate cut out(s) and required electrical components



- All cut outs are located right of center-line on the front of the Fascia so electrics and communications can be specified on both inner and outer elevations of the same wall module
- At worksurface height, cut outs are always oriented horizontally. At 15" height, cut outs are always oriented vertically

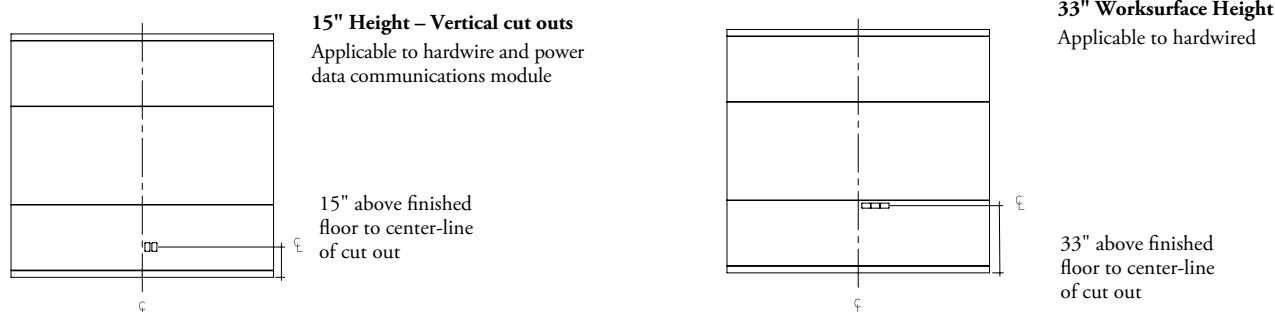
step 2

Order appropriate Power and Communications electrical boxes. The total number should match the total number of cut outs specified on Fascias.



fascia cut out locations

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



determining electrics & communications requirements – landscape

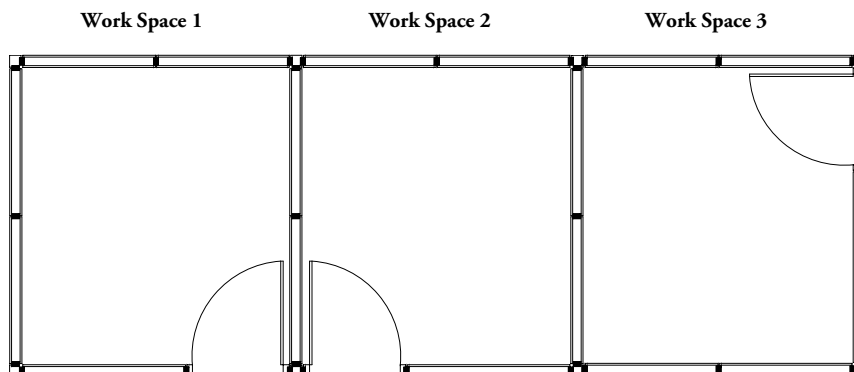
The following steps should be followed when determining electrical requirements.

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

step 1:

List all office equipment and lighting requirements for each 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			

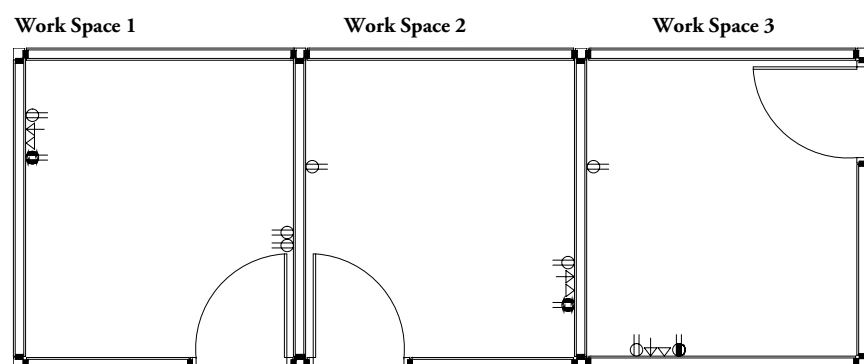


determining electrics & communications requirements – landscape (continued)

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			



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

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PLANNING ELEVATED CABINETS – LANDSCAPE.	303

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

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

5 Landscape Fitted Seat Cushion (FLFC)

- Provides temporary seating solution on Wall-Mounted Cabinet
- Available in upholstery fabrics

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 accommodate Power Cube with Grommet Mount applications

4 Landscape Wall-Mounted Cabinet Open (FLWCO), Sliding Door (FLWCS)

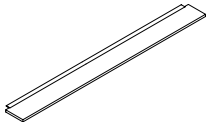
- Landscape Wall-Mounted cabinets provide a semi-permanent or temporary storage application
- Available as an open cubby or with a sliding door

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.

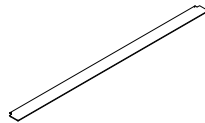


Landscape Solid shelf (FLSS) (Shown)



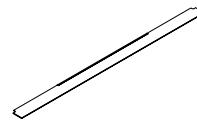
Landscape Shelf Solid (FLSS)

- 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



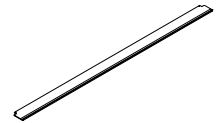
Landscape Shelf Aluminum (FLSA)

- 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



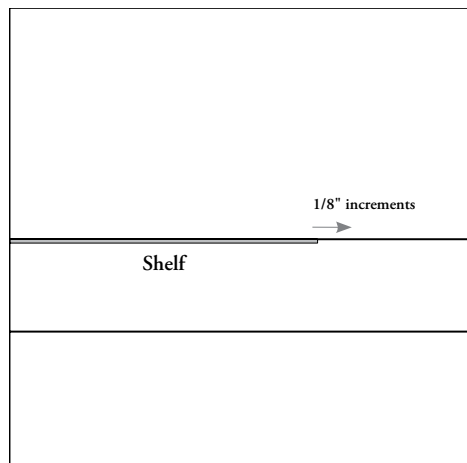
Landscape Shelf Whiteboard (FLTW)

- 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

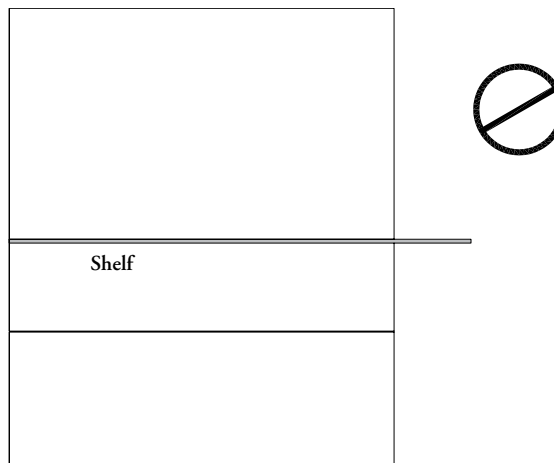
planning with shelves – landscape

The following should be considered when planning with Landscape shelves.

horizontal placement

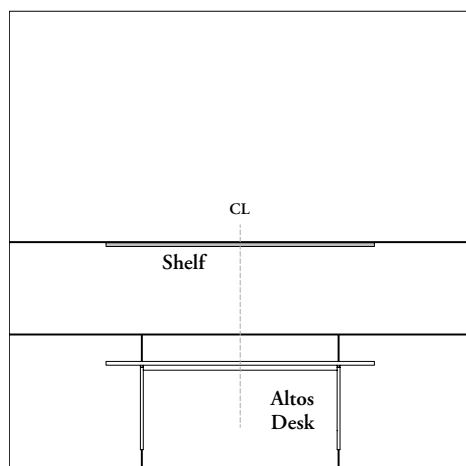


- The shelf can be installed within the Functional Rail in 1/8" increments along the horizontal reveal
- When fully justified to the left or right on the wall the shelf will align to the edge of the fascia

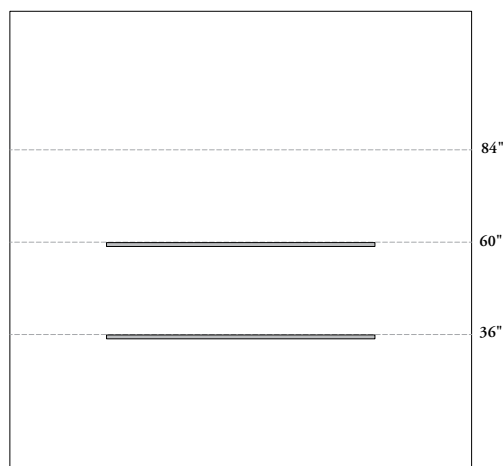


- A Shelf's nominal width must be equal to or less than nominal width of the fascia

above a desk

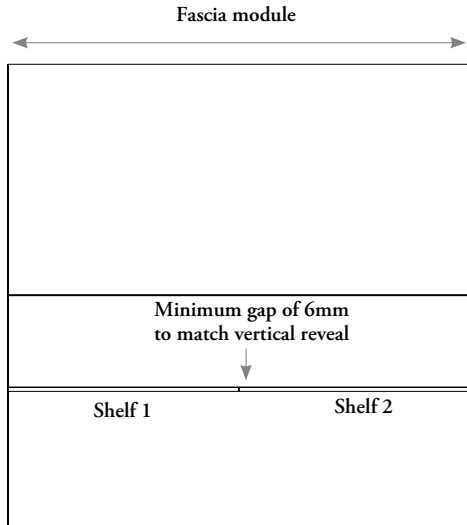


- When planning with an Altos desk the shelf must align with the desk's centerline and be the same nominal width as the desk

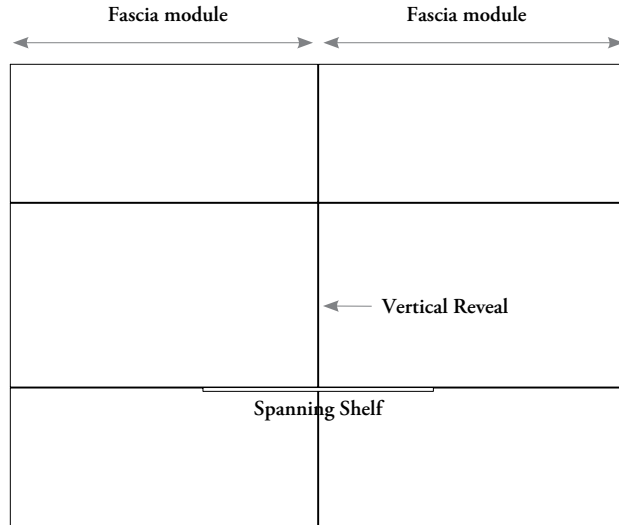


- Wood, Aluminum, Glass and Whiteboard Tray shelves are available on 36" and 60" horizontal reveals only
- Multiple Shelves can be installed on each reveal

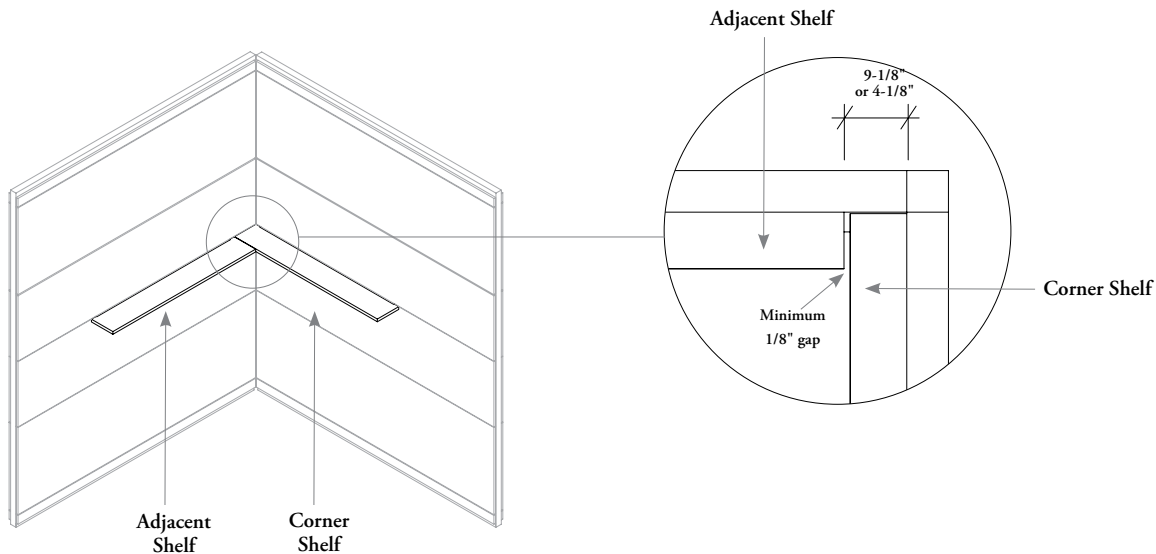
planning with shelves – landscape (continued)



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.

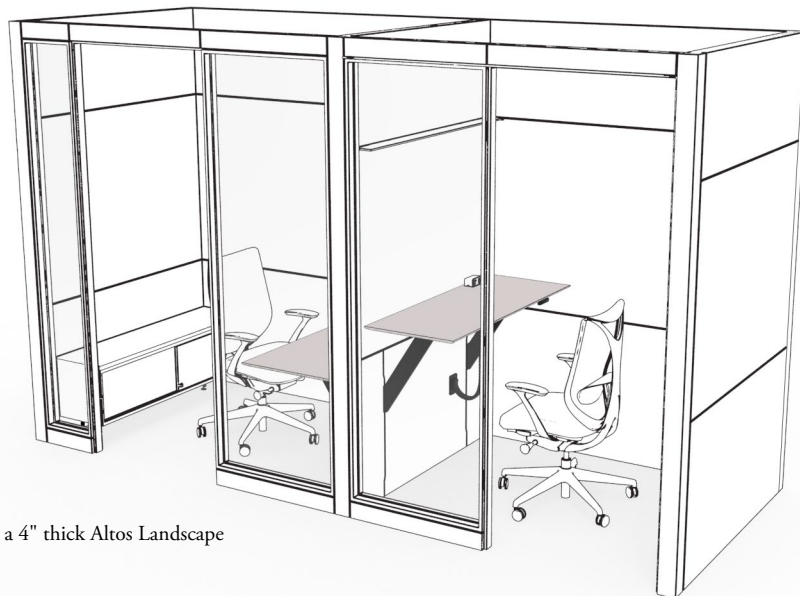


When planning two shelves in a corner, the adjacent shelf must be specified to be a minimum of 4-1/8" or 9-1/8" from the edge of the fascia to accommodate the shelf depth as well as a 1/8" gap.

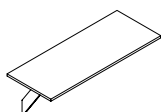
- Aluminum, Glass and Whiteboard shelves: 4-1/8"
- Solid shelf: 9-1/8"

desk basics – landscape

Landscape desks provide a wall-mounted desking solution that maximizes usable space in an environment and hides unnecessary cables.

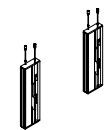


- Available fixed or height-adjustable
- Available single or double sided within a 4" thick Altos Landscape wall
- Depths available:
 - 24" (nominal)
 - 30" (nominal)
- Widths available include 60" - 84" (nominal) in 6" increments
- Available with desk-mounted Power / USB / Data options
- When a cut out is specified, a Rectangular Grommet (FLGR) must be ordered separately
- Worksurface Edges include:
 - Flat
 - Knife
 - Eased



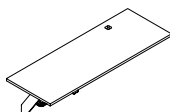
Landscape Desk Fixed (FLDFX)

- Heights available include:
 - 29"
 - 42"
- Leveling capability independent from the wall
- The back of the cantilever allows for electrical routing into the wall



Landscape 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



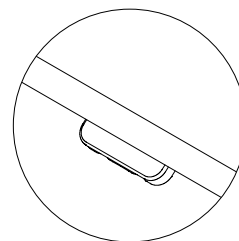
Landscape Desk Height-Adjustable (FLDHA)

- Height-adjustable leveling range is 28" - 44"
- Vertical Wire Carrier allows for electrical routing into the wall



Landscape In-Wall Connection for Fixed Desk (FLDFXC)

- Provides connection needed from Landscape Fixed Desk (FLDFX) to Landscape Desk Frame (FLDF)
- Available for single or double sided applications



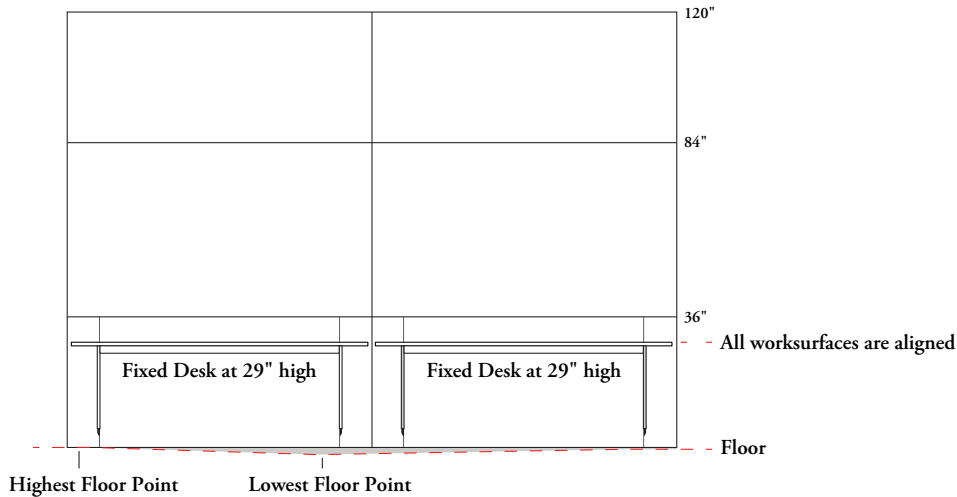
Landscape Desk Switch

- 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

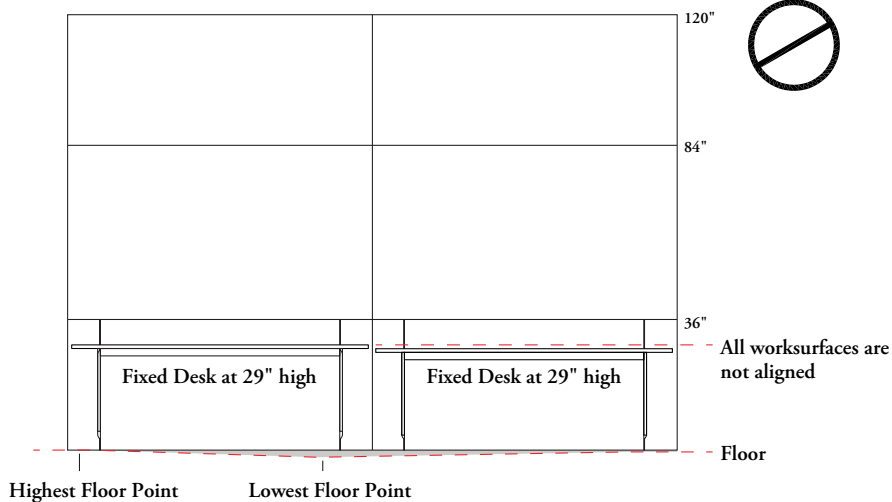
planning with desks – landscape

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.



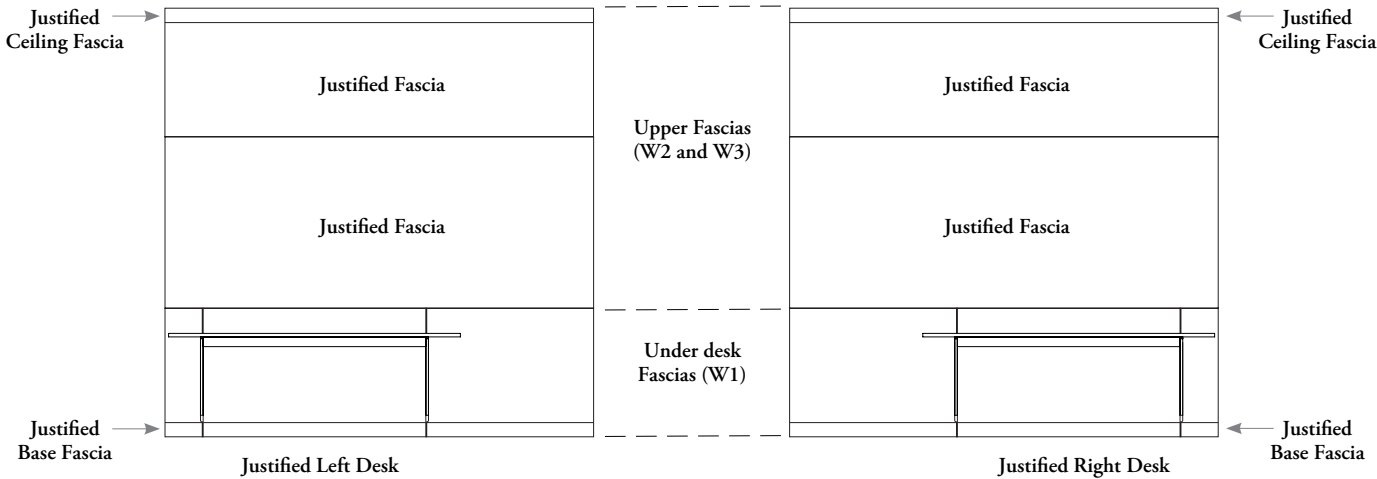
Desks do not follow the floor as worksurfaces will not align.



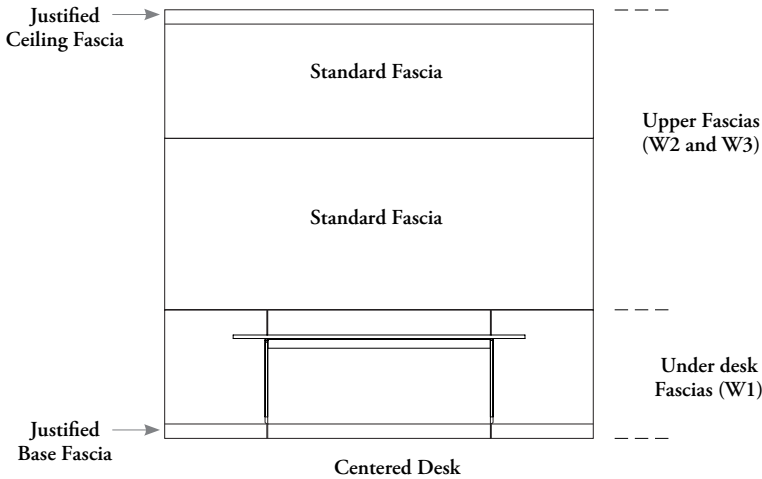
planning with desks – landscape (continued)

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.

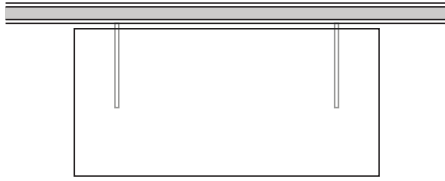


When a desk is centered on the wall module use standard Landscape fascias above the desk, except the ceiling and base fascia which must be justified.

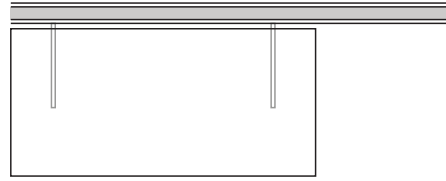


planning with desks – landscape (continued)

- 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

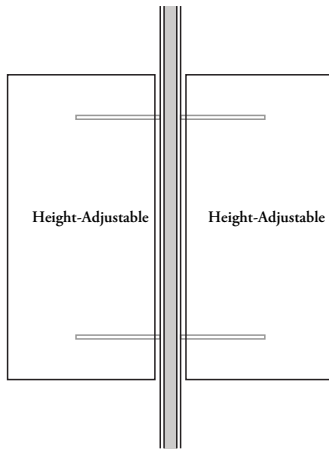


Single Sided - Centered



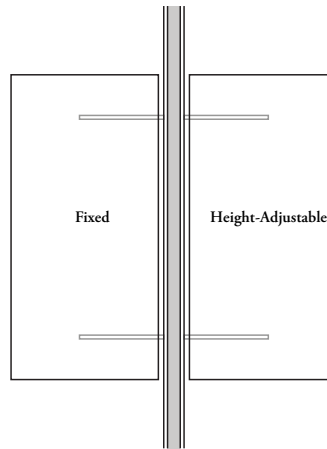
Single Sided - Justified (left shown)

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.



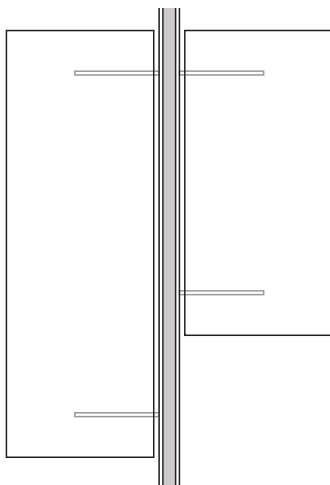
Correct Application

- Same width
- Same type
- In alignment



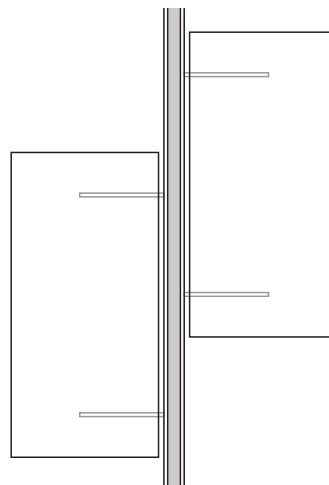
Different types (fixed/height-adjustable)

- Must be both Height-Adjustable or both Fixed



Different widths

- Must be the same width



Not aligned

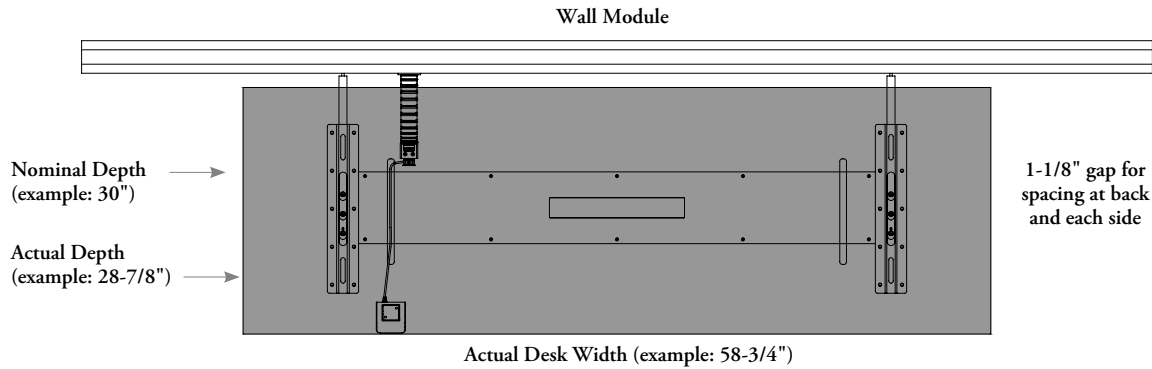
- Must be in alignment with each other on the wall

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:

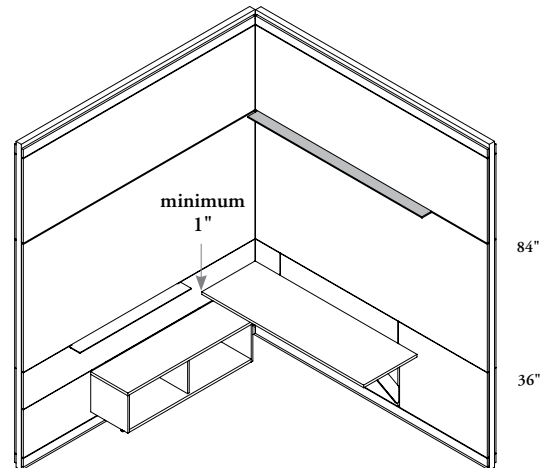
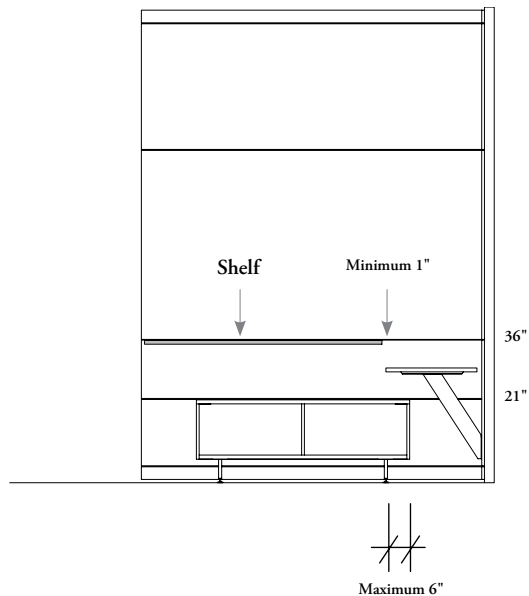
30" x 60" Nominal = 28-7/8" x 57-3/4" Actual



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.

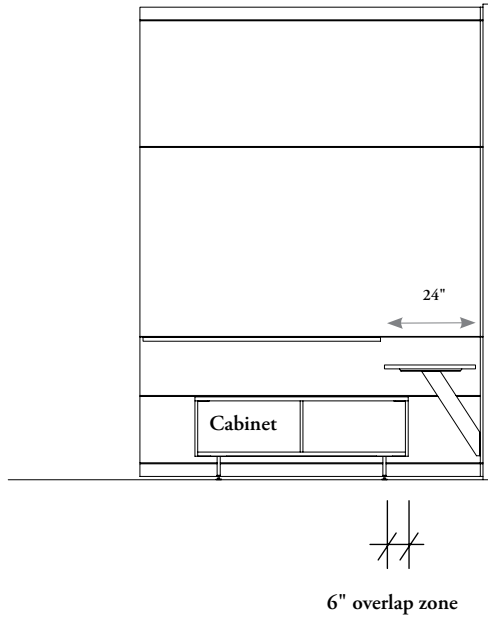


* When a Landscape Desk has been specified on a wall run, storage cabinets cannot be mounted on the same wall module as horizontal rails are in different locations.

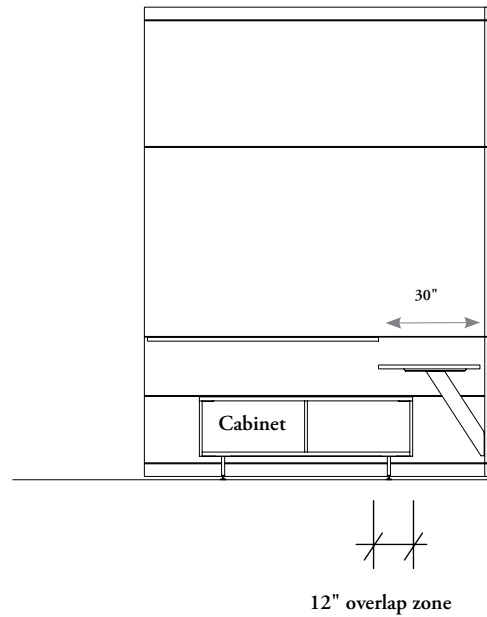
planning with desks – landscape (continued)

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

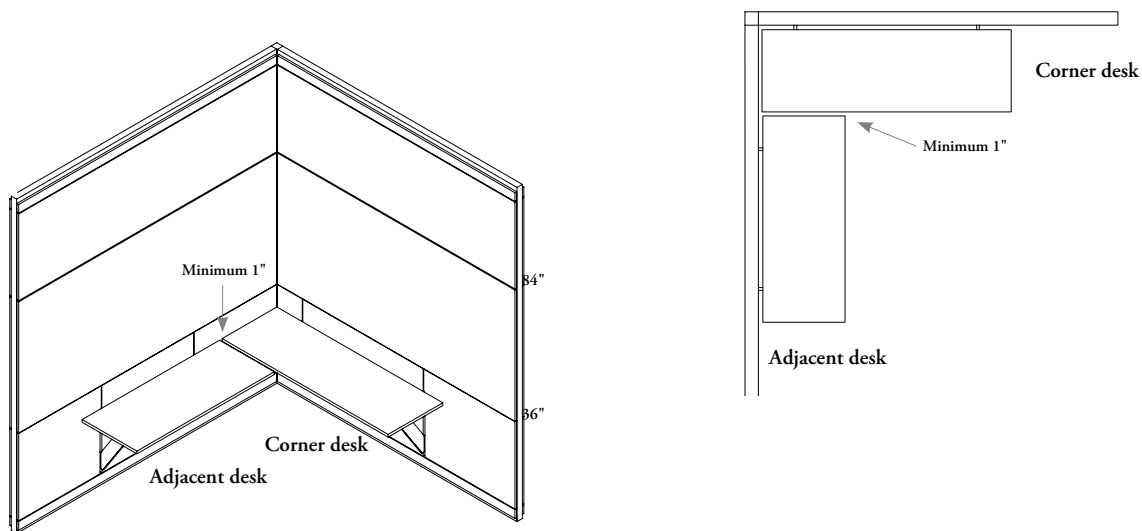


Overlapping with a 30" deep desk



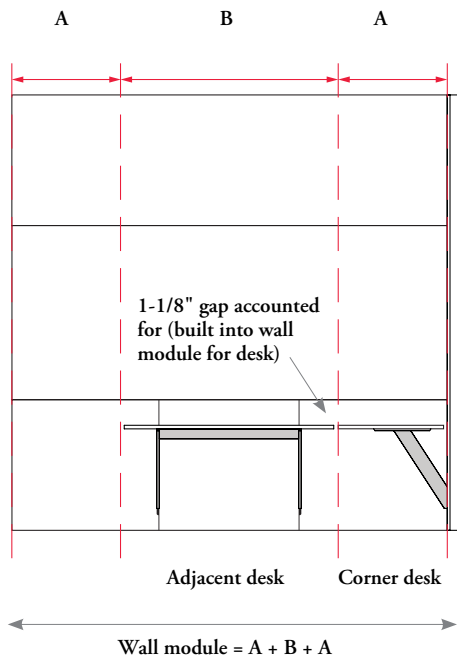
planning with desks – landscape (continued)

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.

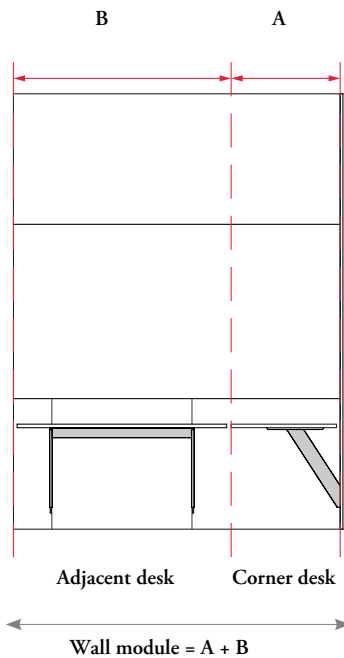


The adjacent desk can be specified centered, justified left or justified right on the wall.

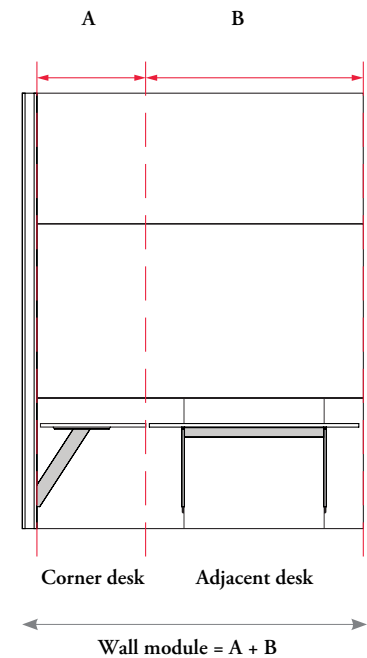
Centered on wall module



Justified left on wall module



Justified right on wall module



A = Nominal depth of desk (24" or 30")

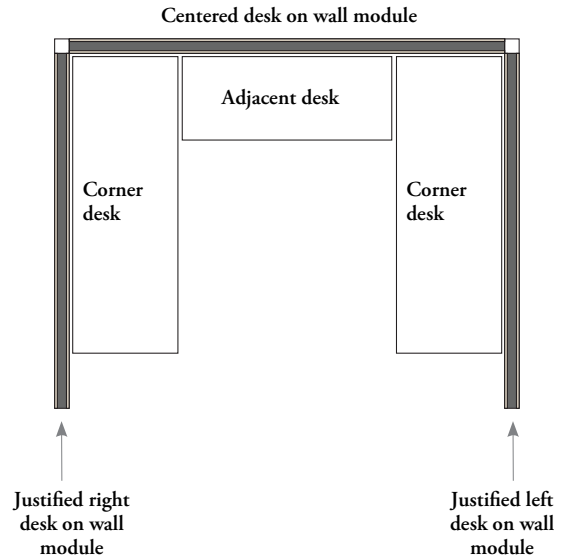
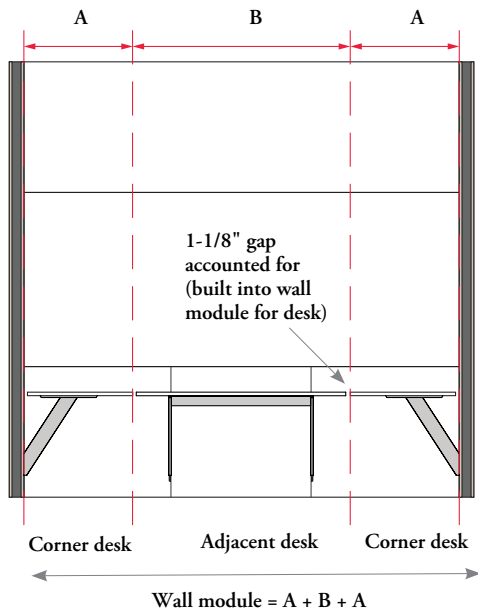
B = Nominal width of desk (60", 66", 72", 78", or 84")

Wall module width depends on the type of fascia used
(maximum width = 120")

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



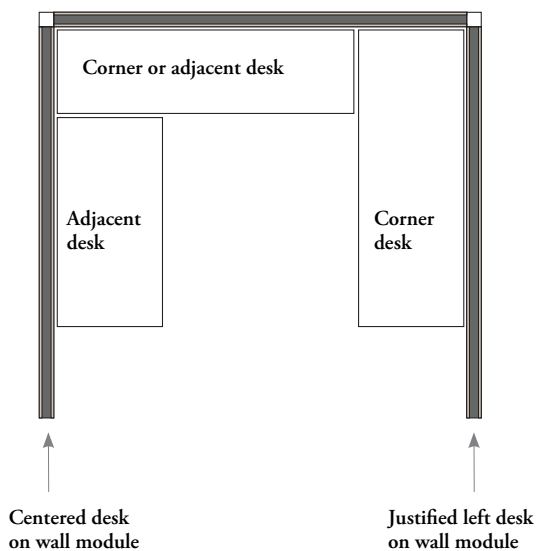
A = Nominal depth of desk (24" or 30")

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

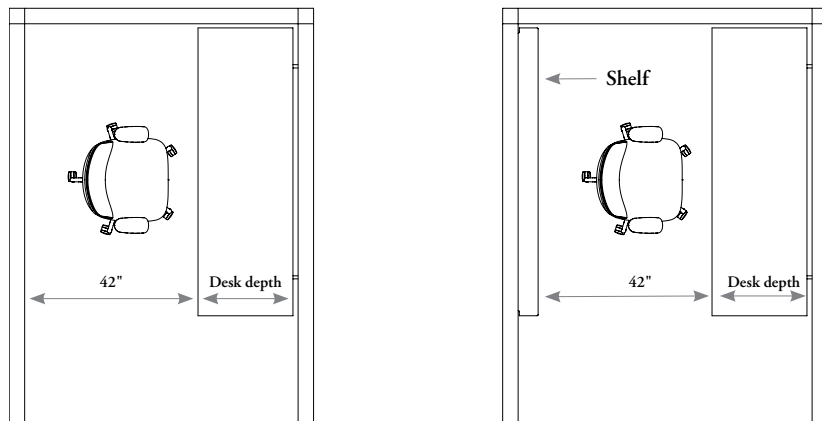


planning with desks – landscape (continued)

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.

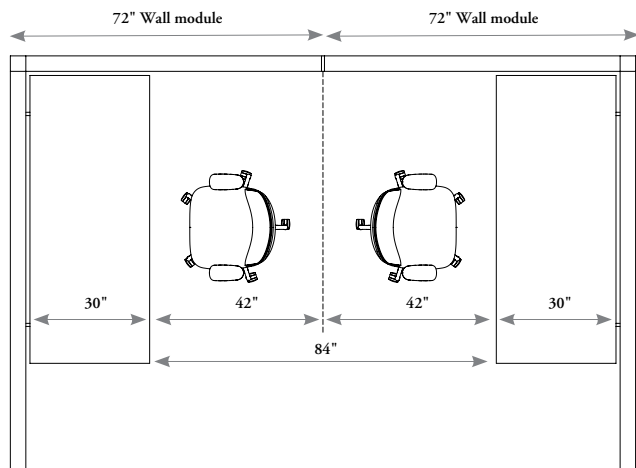
Example:



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:



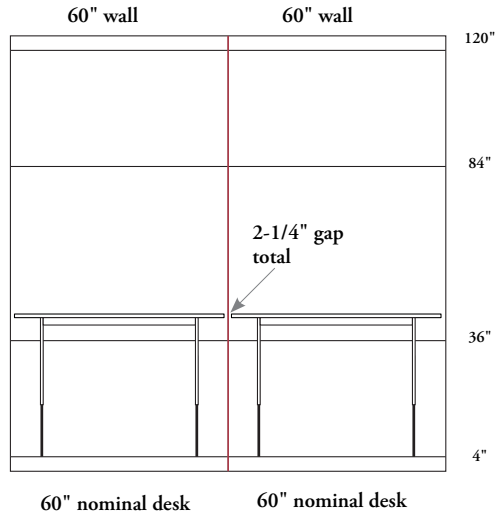
planning with desks – landscape (continued)

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

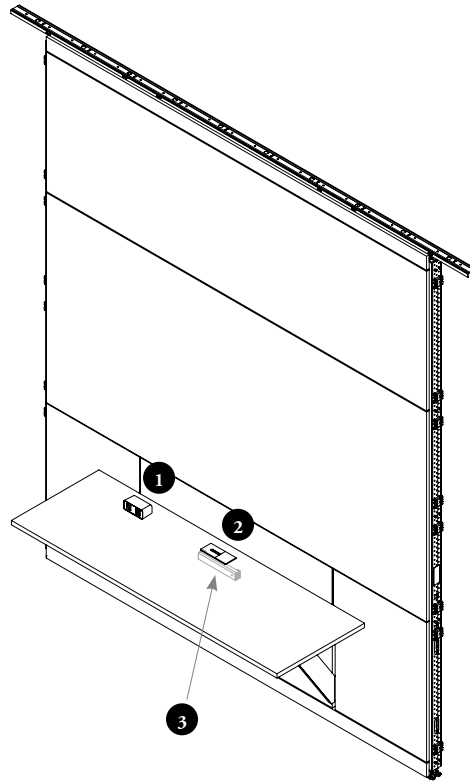
Example:

Two 60" Center Desk Modules



desk accessory overview – landscape

The following electrical accessories are available on Landscape desks to provide desktop power and cable routing capabilities. For more details, 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

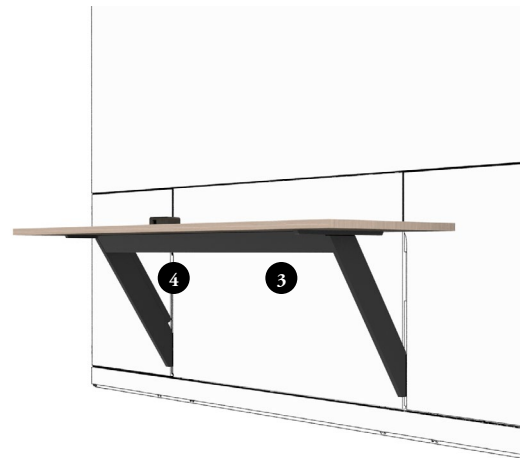
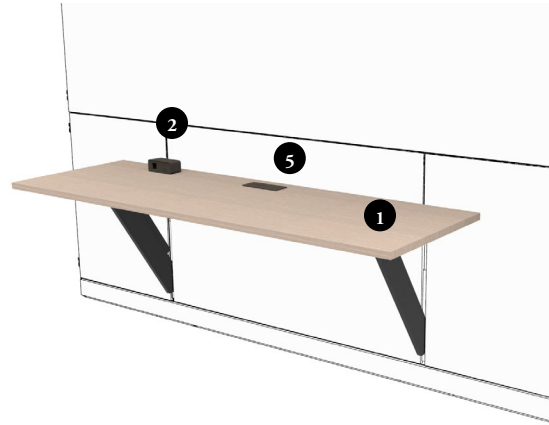
3 Power Rod (ELPR)

- For powering permanent devices under the desk (example: Monitors, Docking Stations)
- Available centered below desk

The following finishes are available on Landscape fixed and height-adjustable desks.

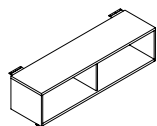
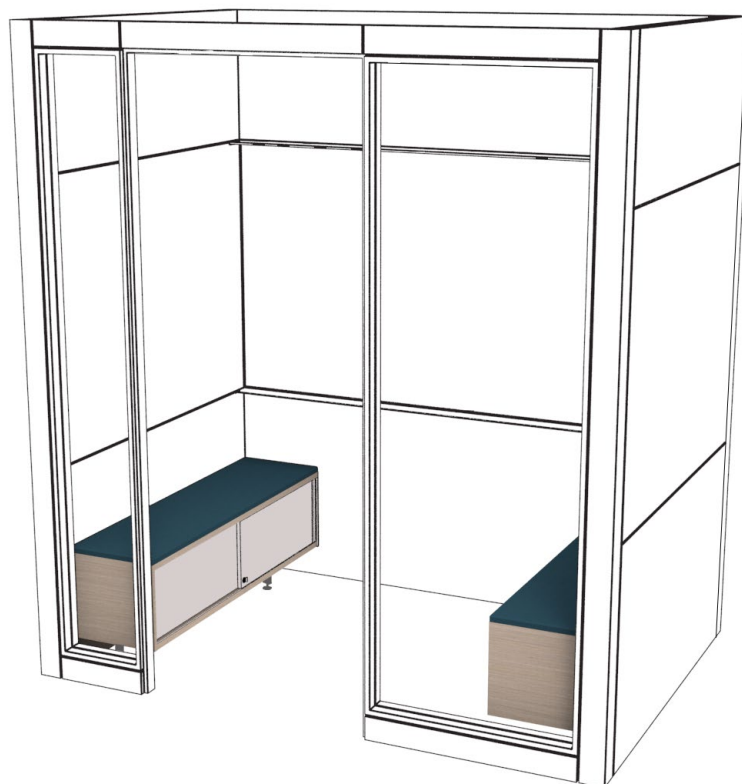
Material and finish options:

- 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: Flintwood, Source Laminate
 - Fronts: Flintwood, Source Laminate, Glass (Backpainted or Frosted)
 - Wall Mounting brackets: Painted (Foundation, Mica)
 - Legs painted Ebony

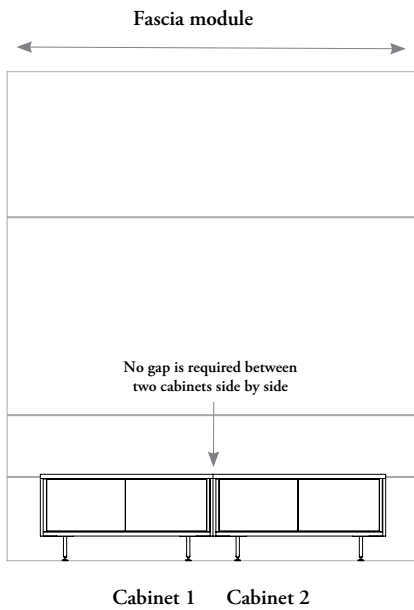


Fitted Seat Cushion (FLFC)

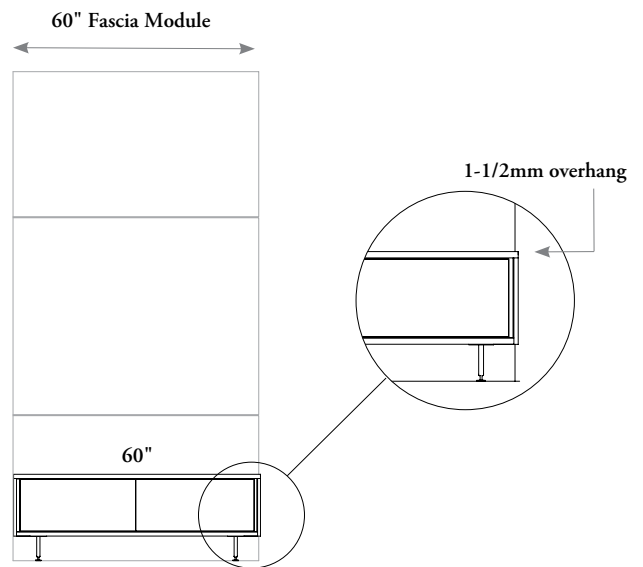
- Can be used on Landscape Cabinets as temporary guest seating
- 16" deep and 24" - 60" wide in 6" increments
- Available in Upholstery or COM Fabrics
- Fabric Directionality is railroad

planning elevated cabinets – landscape

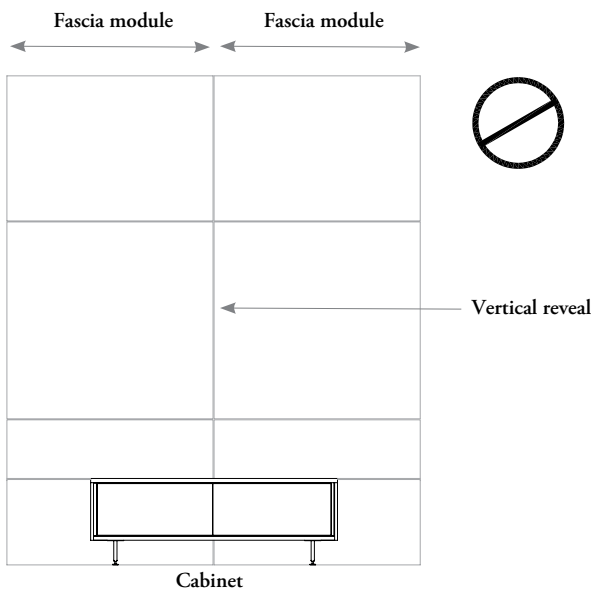
The following should be considered when planning with Landscape Elevated Cabinets.



Multiple Cabinets can be planned on a single datum within one Fascia Module.
Two cabinets side by side can be installed with no gap between them.



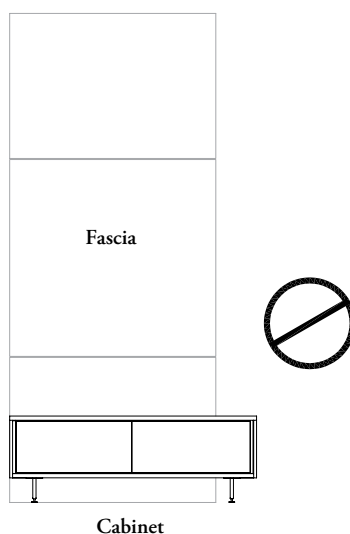
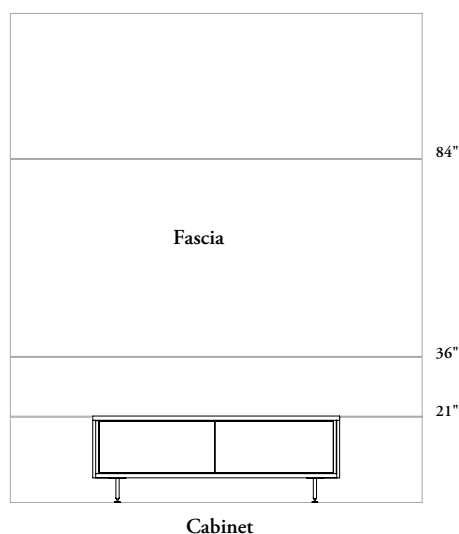
When planning with a cabinet that is the same nominal width as the wall module, the cabinet will overhang the fascia edge by 1-1/2mm



Landscape Elevated Cabinets cannot span across a vertical reveal.

planning elevated cabinets – landscape (continued)

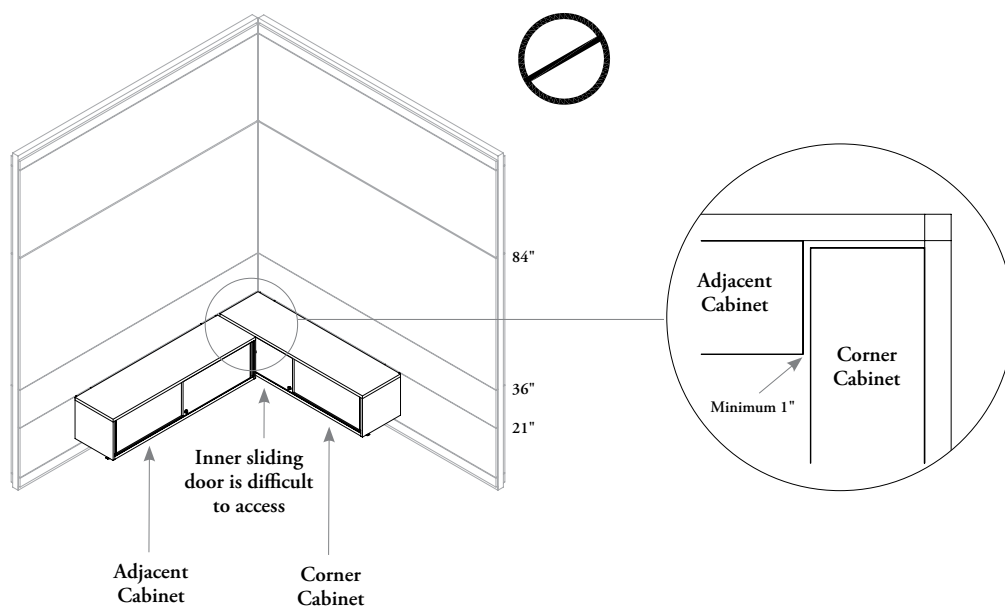
Landscape Cabinets can be installed along the Functional Rail in 1/8" increments on the horizontal reveal.



- 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

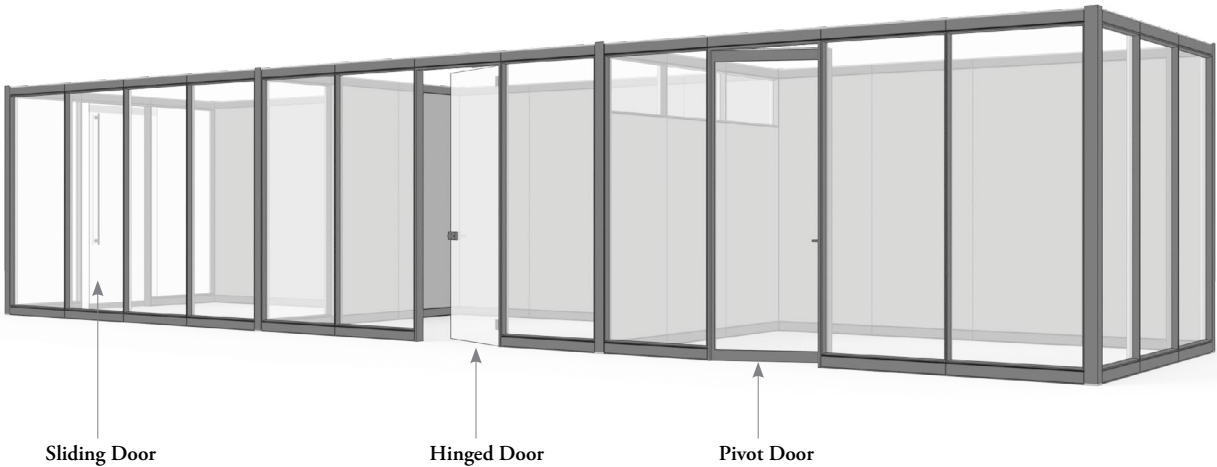
portrait & landscape - doors

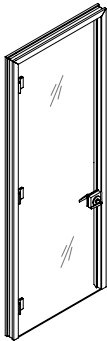
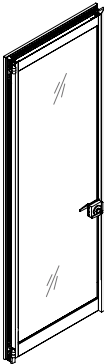
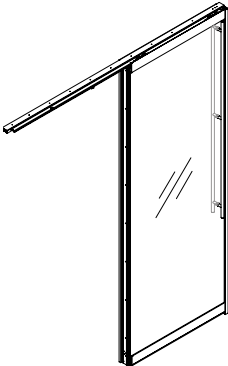
DOOR OVERVIEW	309
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door overview

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

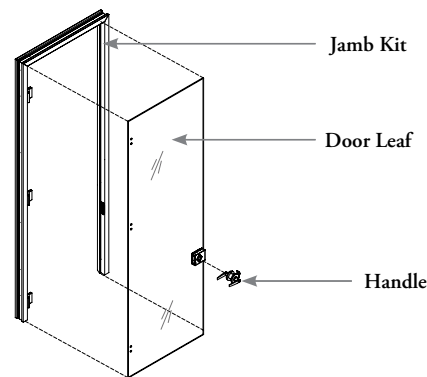
- Some doors are available in glass, solid, and solid with glass insert options. Both as Single leaf or double leaf doors
- Door leaves, Jambs and Rail Kits are necessary to complete a full door package
- Consideration for ADA compliant locking hardware for doors needs to be determined early in the project 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



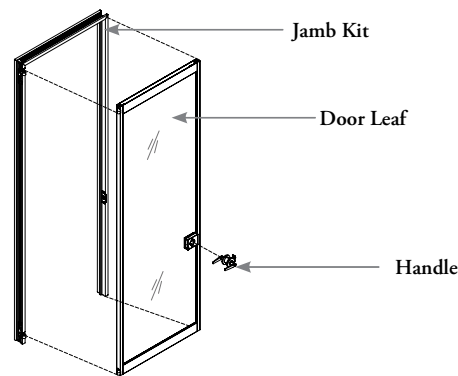
Swing Doors		Sliding Doors
Hinged Doors	Pivot Doors	
		

building up a complete door module

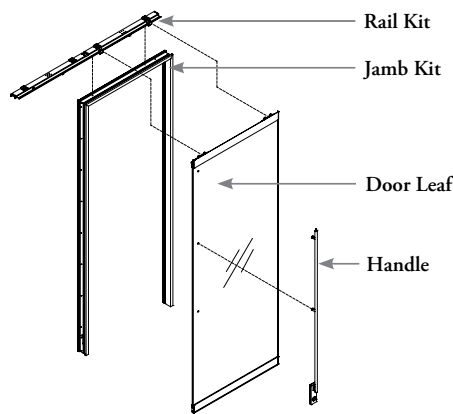
- Door leaves, Jamb Kits, Rails (for Sliding doors only) and Handles need to be specified to create a complete door module
- Fascias above and adjacent to doors need to be specified separately



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



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



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

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

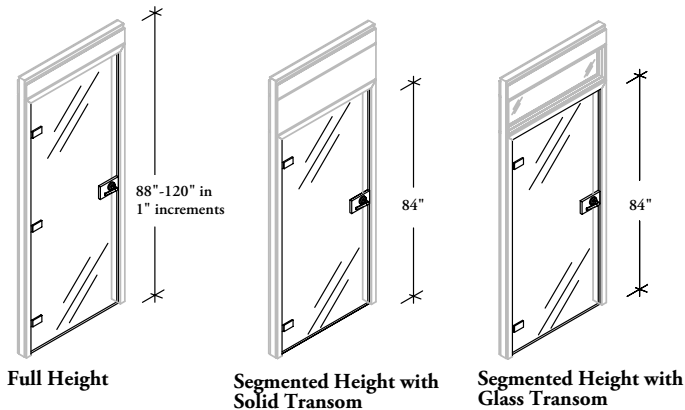
	Full height	Segmented Height	
		With Solid Transom	With Glass Transom
Single Leaf Doors	2 ceiling fascias, 1 per side	2 ceiling fascias, 1 per side + 2 solid fascias 'S2' location, 1 per side	2 ceiling fascias, 1 per side + 1 glass fascia 'S2' location, centered
Double Leaf Doors	2 ceiling fascias, 1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

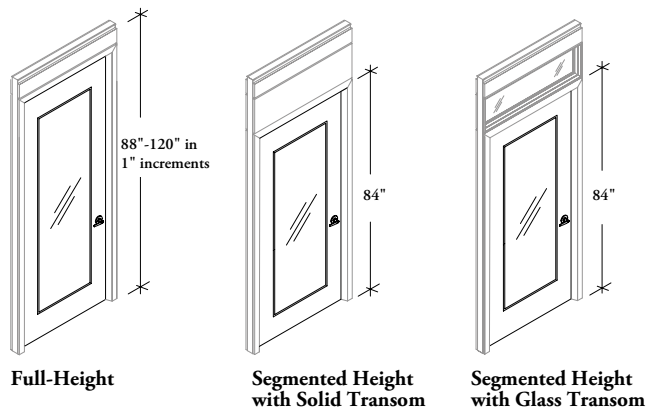
A Bottom seal is an option to minimize sound leakage at the bottom of the solid doors (up to 0.5" gap under door).

Glass Hinged Door Leaf Single (FD SGZL)



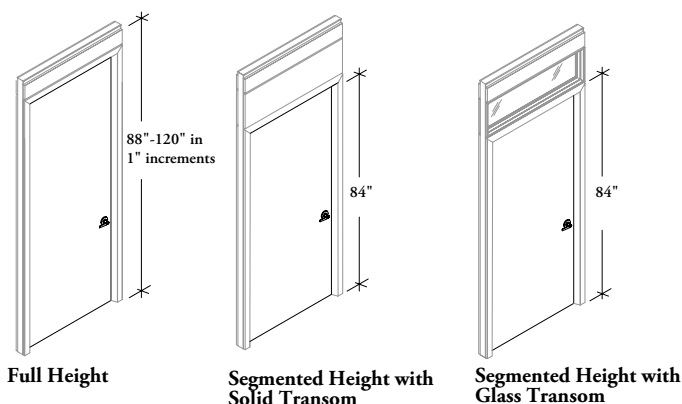
- 10mm thick (3/8" nominal thickness) glass leaf
- Available in 40" and 42" nominal widths
- Available with 4" and 6" ceiling fascia height, or segmented height
- Optional 10" high stainless steel kickplate (ADA)
- Magnetic Catch to be used when ordered with floor, ceiling and linear pull handles
- Glass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

Solid Hinged Door Leaf with Glass Insert Single (FDSNZL)



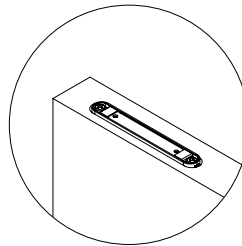
- 1-3/4" thick solid leaf with 6mm thick glass insert
- Available in 40" and 42" nominal widths
- Available with 4" and 6" ceiling fascia height, or segmented height
- Optional Bottom Seal
- Magnetic Catch to be used when ordered with floor, ceiling and linear pull handles
- Solid Finishes: Laminate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

Solid Hinged Door Leaf Single (FDSSZL)



- 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



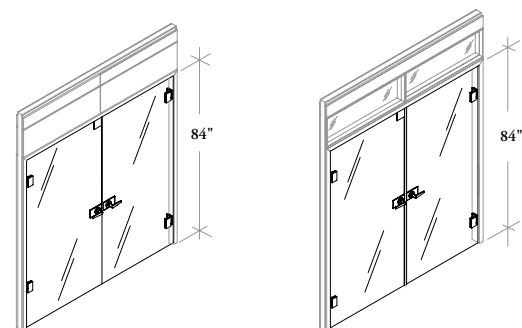
- On all Swing Doors using floor, ceiling and linear pull handles
- Adjustable catch force
- Integrated into door leaf and jamb

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 Leaf Double (FDDGZL)

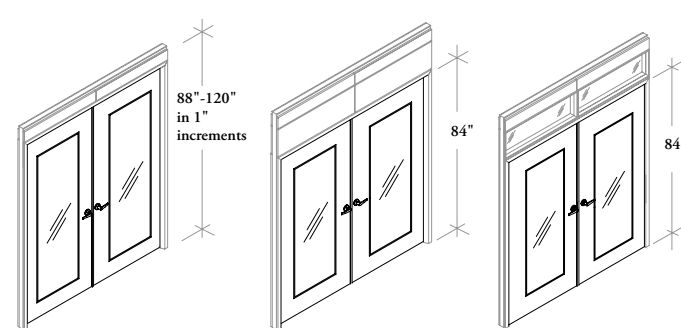


Segmented Height with Solid Transom

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 Leaf with Glass Insert Double (FDDNZL)



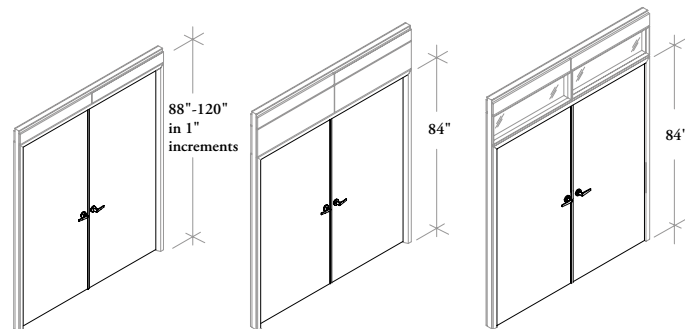
Full-Height

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 Leaf Double (FDDSZL)



Full Height

Segmented Height with Solid Transom

Segmented Height with Glass Transom

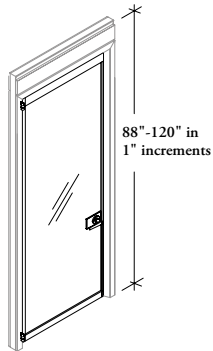
- 1-3/4" thick solid double leaf
- Available in 72", 80" and 84" nominal widths
- Available with 4" and 6" ceiling fascia height, or segmented height
- Optional Bottom Seal
- Solid Finishes: Unfinished, Laminate or Flintwood
- Component Finishes: Clear Anodized or Painted

application guide

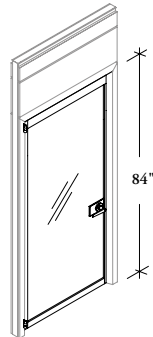
pivot door basics

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.

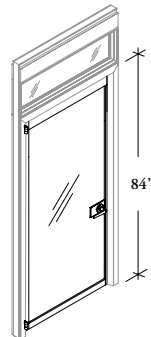
Glass Pivot Door Leaf Single (FDSGPL)



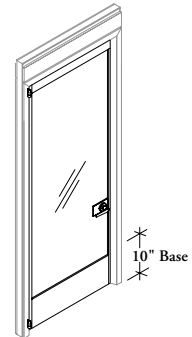
Full-Height



Segmented Height with Solid Transom

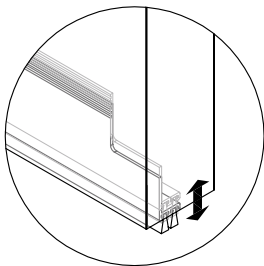


Segmented Height with Glass Transom



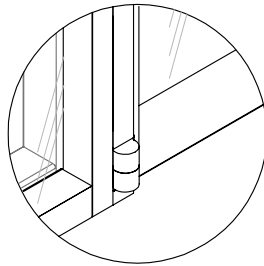
Optional 10" high Integrated ADA aluminum kickplate

- 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
- Glass Type: Tempered or Tempered-Laminated
- Glass Finish: Clear or Frosted
- Frame Component Finishes: Clear Anodized or Painted



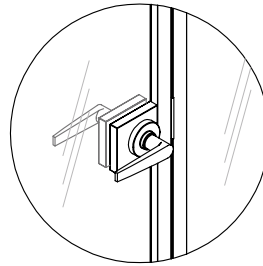
Adjustable Brush Seal

- Range accommodates base leveling -1/4" - +1-3/8"
- Continuous across width of door



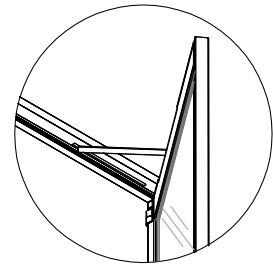
Pivot Hinge (interior view)

- Door pivots hung from vertical
- Door levels with vertically with system
- Two pivots only up to maximum 10'
- Anodized or Painted Aluminum finish



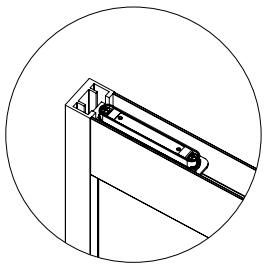
Lock Patch Plate

- Anodized Aluminum or Painted finish
- No exposed fasteners



Optional adjustable Door Closer/ Hold Open

- Dorma concealed closer
- Adjustable closing speed
- Closer Arm and track finished in Gray or Black
- Hold Open feature is included with the Closer Mechanism
- Maximum 100° opening range
- Can not be specified with magnetic catch



Magnetic Catch

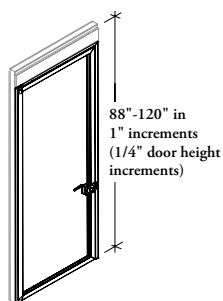
Magnetic catch offers the experience of a latch on select swing doors using floor and ceiling pulls.

- Select doors when using floor, ceiling and linear pull handles
- Can not be specified with Door Closer/ Hold Open

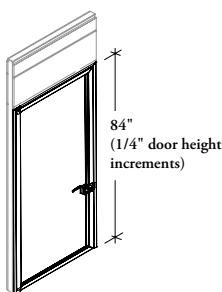
double glazed pivot door basics

Pivot doors permit a swing opening up to 180° (actual 176° with door stop) It has advanced acoustics with its double glazed glass and auto bottom seal.

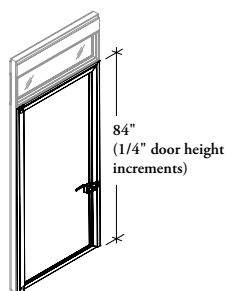
Glass Pivot Door Leaf Single (FDCL)



Full Height

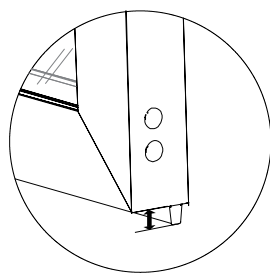


Segmented Height with Solid Transom



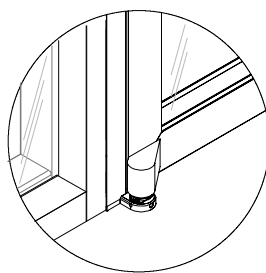
Segmented Height with Glass Transom

- A full-height door that pivots open 180° (100° with closer)
- 2 x 6mm thick (1/4" nominal thickness) glass leaf
- Available in 40" and 42" nominal widths
- ADA compliant
- Optional adjustable door closer/door stay
- Glass Type: Tempered or Laminated
- Glass Finish: Clear, Frost, Cool White, Polar White or Low Iron
- Frame Component Finishes: Clear Anodized or Painted
- Door Stop



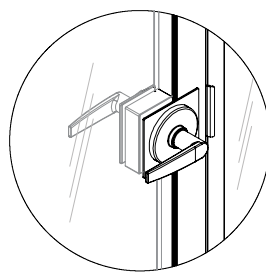
Auto Bottom Seal

- Actuator pin drops seal when door is closed against jamb and allows for additional acoustics
- Maximum drop of 7/8" (22mm)
- Casing finished in Clear Anodized only



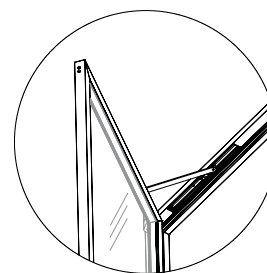
Pivot Hinge

- One pivot on top of door and one on bottom
- Finished to match frame: Anodized or Painted Aluminum
- Lateral adjustment +/- 0.09" on top and bottom pivots



Patch Plate

- Anodized Aluminum or Painted
- No exposed fasteners

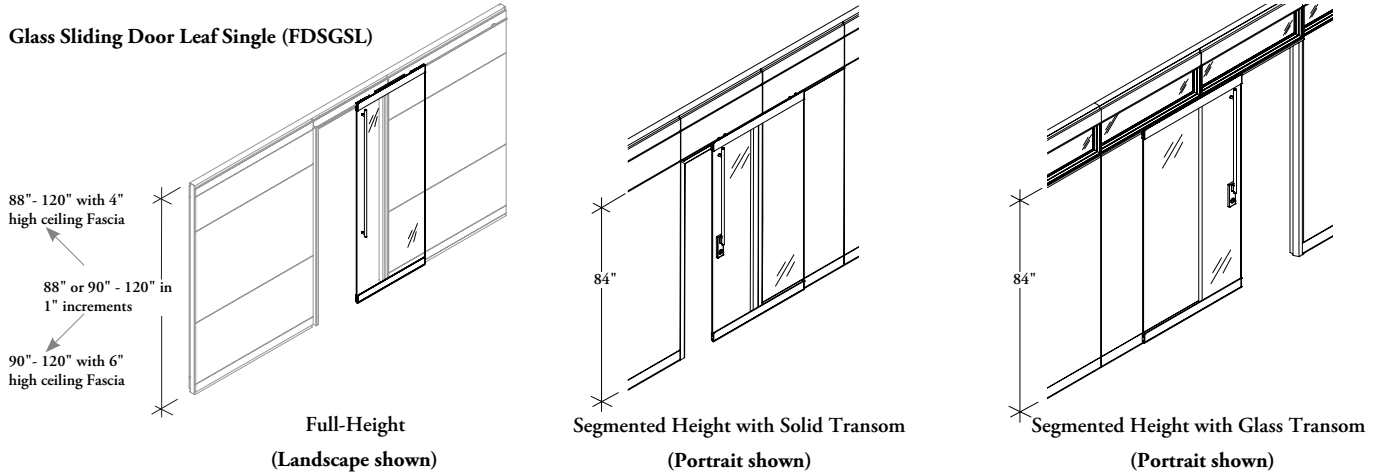


Door closer /hold open (optional)

- Concealed closer
- Adjustable closing speed
- Closer arm finish in Clear Anodized or Black
- Hold Open feature is included with the Closer Mechanism
- Maximum 100° opening range
- Optional for ALX and L series hardware. Always included for all other hardware types.

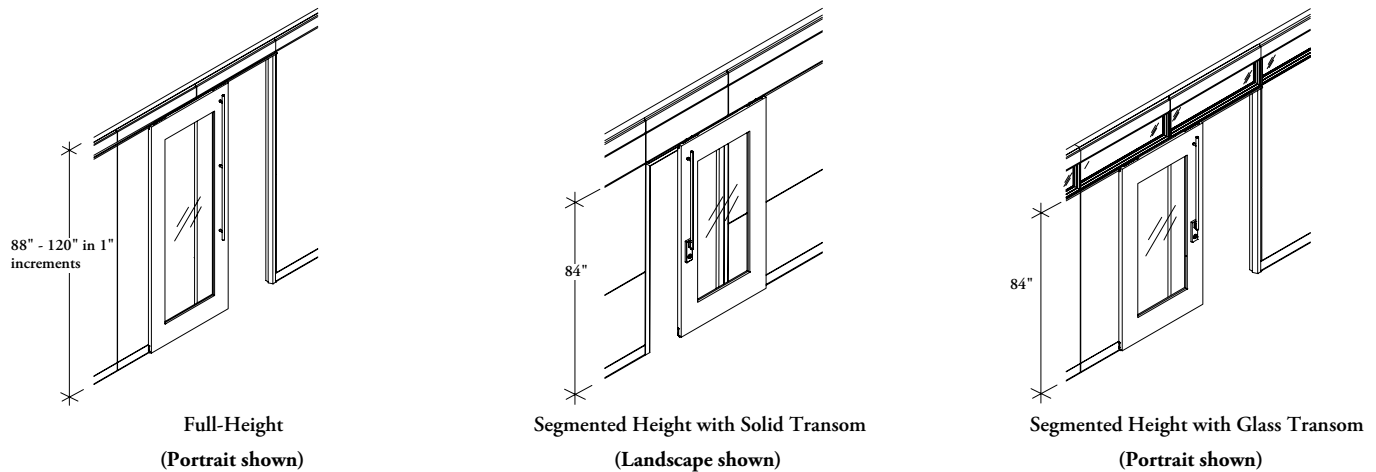
single sliding door basics

Glass Sliding Door Leaf Single (FDSGSL)



- 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

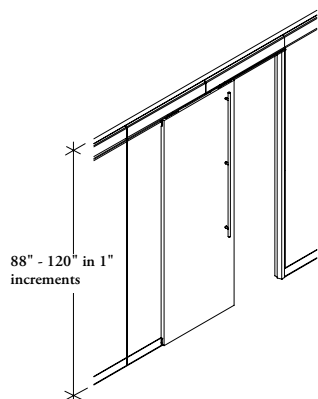
Solid Sliding Door Leaf with Glass Insert Single (FDSNSL)



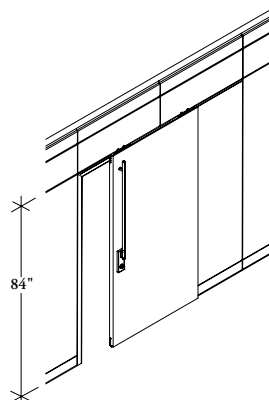
- 1-3/4" thick solid leaf with 6mm thick glass insert
- Available in 40", 42", 44" and 48" nominal widths
- 48" wide Door is not available in ceiling heights greater than 108"
- Available with 4" and 6" ceiling fascia height, or segmented height
- Door Application: Interior and Exterior
- Door Slide: 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)

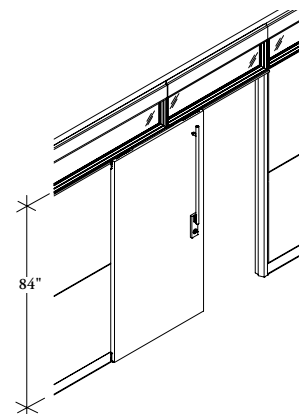
Solid Sliding Door Leaf Single (FDSSSL)



Full-Height
(Portrait shown)



Segmented Height with Solid Transom
(Portrait shown)



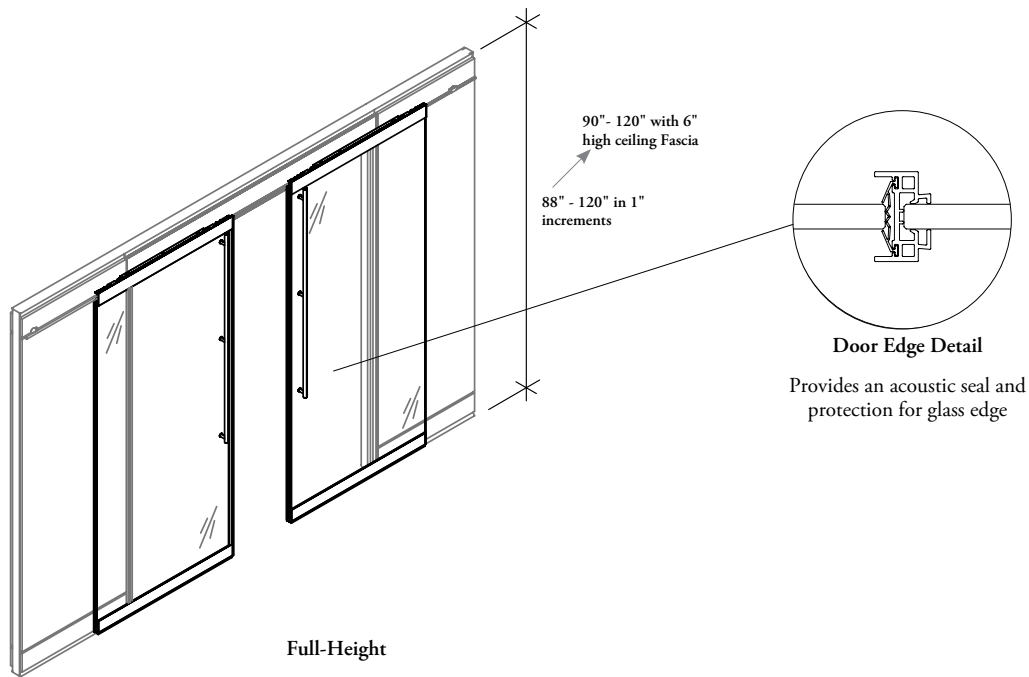
Segmented Height with Glass Transom
(Landscape shown)

- 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

application guide

sliding double door basics

Glass Sliding Door Leaf Double (FDDGSL)



- 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

jamb basics

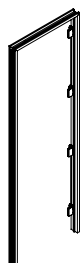
Jambs are independent frames that cover the vertical and horizontal structural elements in a door assembly.



Solid Hinged Door Jamb Kit Single (FDSSZF)

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

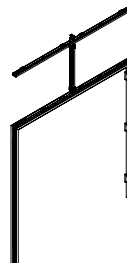
- Jamb Kit consists of jamb frame, connection hardware (including hinges), adjustable strike plate, one door stop
- Available in 40" and 42" nominal widths



Glass Hinged Door Jamb Kit Single (FD SGZF)

Jamb for the Glass Hinged Door Leaf Single (FD SGZL)

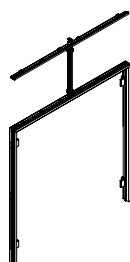
- Jamb Kit consists of jamb frame, connection hardware (including hinges), adjustable strike plate, one door stop
- Available in 40" and 42" nominal widths



Solid Hinged Door Jamb Kit Double (FDDSZF)

Jamb for the Solid Hinged Door Leaf Double (FDDSZL) and the Solid Hinged Door 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 Jamb Kit Double (FDDGZF)

Jamb for the Glass Hinged Door Leaf Double (FDDGZL)

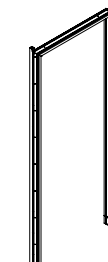
- Jamb Kit consists of jamb frame, two Horizontal Rails (FPKK), two intermediate vertical posts, connection hardware (including hinges), flush bolt, adjustable strike plate, patch lock, two door stops
- Available in 72" and 80" nominal widths



Glass Pivot Door Jamb Kit Single (FD SGPF)

Jamb for the Glass Pivot Door Leaf Single (FD SGPL)

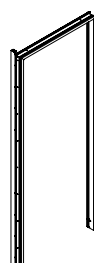
- Jamb Kit consists of jamb frame, connection hardware, adjustable strike plate, one door stop, one closer (if specified)
- Available in 40" and 42" nominal widths



Glass Sliding Door Jamb Kit Single (FD SGSL)

Jamb for the Glass Sliding Door Leaf Single (FD SGSL)

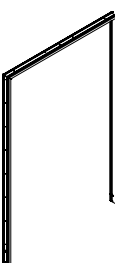
- Jamb Kit consists of jamb frame
- Available in 40", 42", 44" and 48" nominal widths
- Available in square and round styles



Solid Sliding Door Jamb Kit Single (FD SSSJ)

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

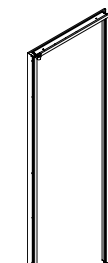
- Jamb Kit consists of jamb frame
- Available in 40", 42", 44" and 48" nominal widths
- Available in square and round styles



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



45mm Glass Pivot Door Jamb Kit Single (FDCJ)

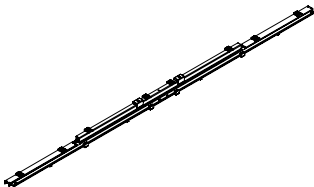
Jamb for Framed 45mm Double Glazed Pivot Door Leaf Single (FDCL)

- Jamb Kit consists of jamb frame, connection hardware, adjustable strike plate, 1 door stop, 1 closer (if specified)
- Available in 40" and 42" nominal widths
- Available in 86" to 120" nominal heights in 1" increments, with an additional 1/4" door height increments
- Frame Component Finishes: Clear Anodized or Painted

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)

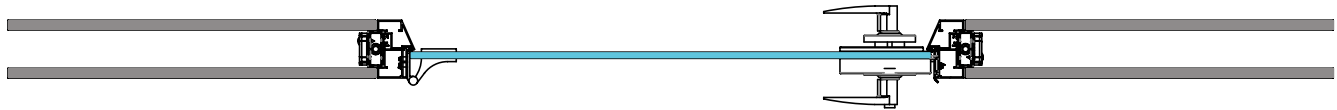


Sliding Door Rail Double (FDDSSR)
Rail for the Glass Sliding Door Leaf Double (FDDGSL)

jamb details

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 Door

	Leaf	Jamb	Handle
Single	FD SGZL	FD SGZF	FDHSX FDSFP FDSCP FDSL P
	FD SSZL	FD SSZF	FDHSX FDHSL FDSFP FDSCP FDSL P
	FDSNZL		FDHSX FDSFP FDSCP FDSL P
Double	FDDGZL	FDDGZF	FDHSX
	FDDSZL	FDDSZF	
	FDDNZL		

Pivot Door

	Leaf	Jamb	Handle
Single	FD SGPL	FD SGPF	FDHSX FDHSL FDSFP FDSCP FDSL P
Single - Double Glazed	FDCL	FDCJ	FDHSX FDHSL FDSFP FDSCP FDSL P

Sliding Door

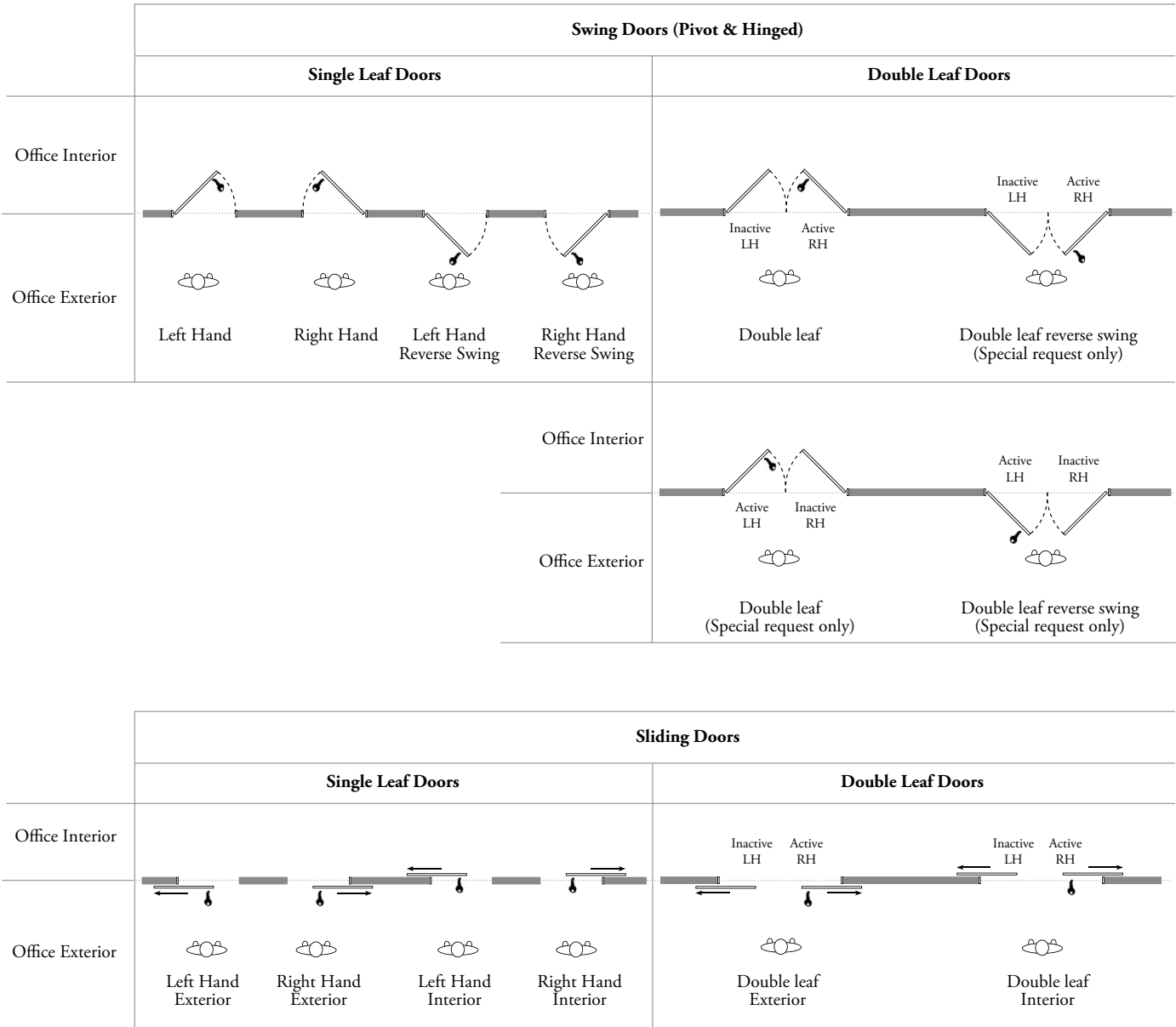
	Leaf	Jamb	Rail	Handle
Single	FD SGSL	FD SGSJ	FDSSSR	FDSCP FDSFP FDSL P
	FD SSL	FDSSSJ		
	FDS NSL			
Double	FDDGSL	FDDGSJ	FDDSSR	FDSCP FDSFP

application guide

planning with doors

This chart outlines the possible door swing/slide orientations.

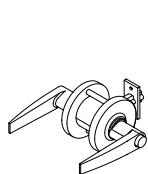
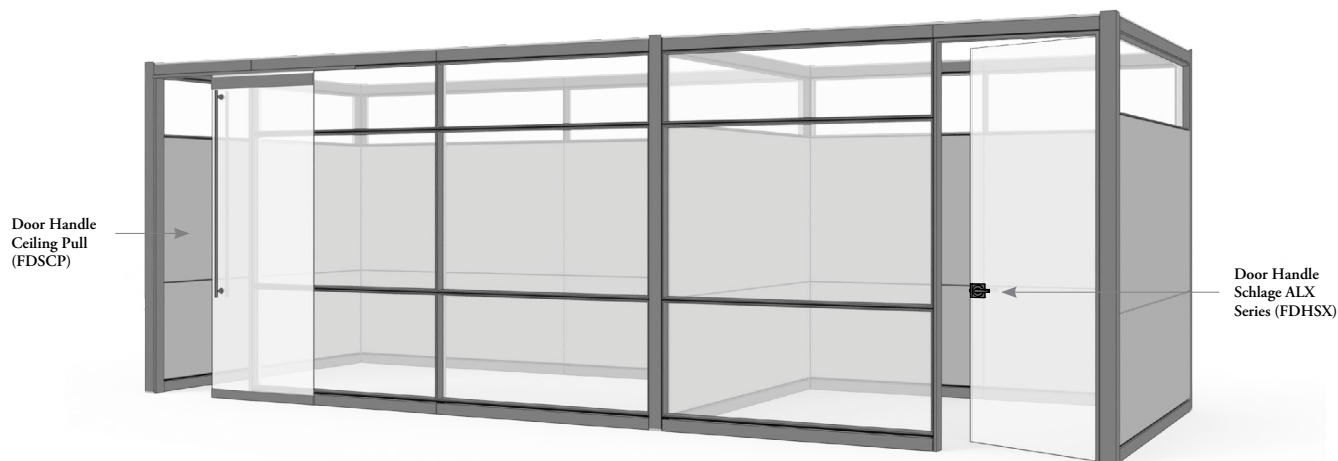
- Left or right handedness is determined by the opening slide/swing direction of travel
- Locking or non-locking doors are available
- Keyed Lock is always on the outside and Thumb Turn on the inside



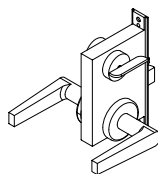
Legend	
	Active locking door applicable

handles basics

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



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



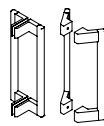
**Door Handle
Schlage L Series
(FDHSL)**



**Door Handle
Ceiling Pull
(FDSCP)**



**Door Handle Floor
Pull (FDSEFP)**

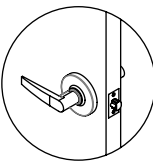
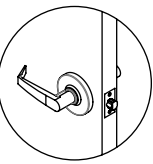
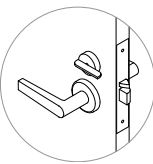
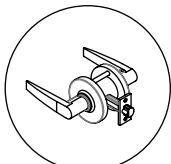
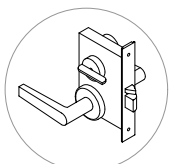
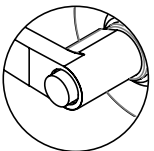
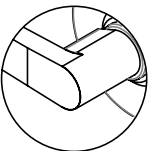
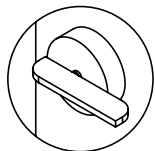
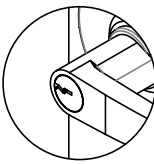
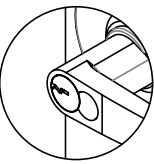
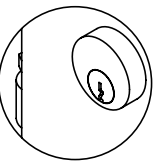
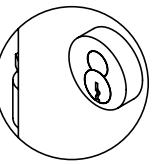


**Door Handle Linear
Pull (FDSLPL)**



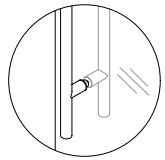
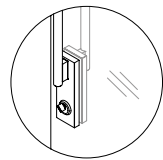
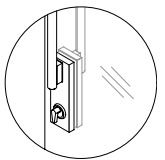
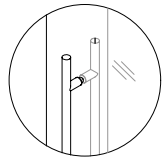
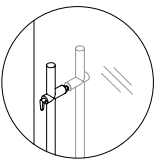
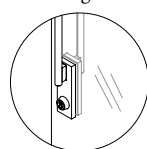
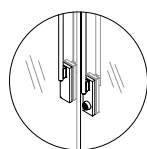
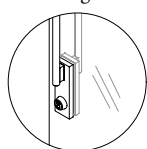
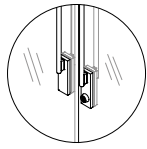
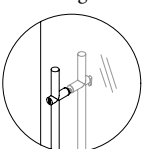
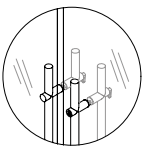
Control Key (FFKK)
• Used to remove or install
an interchangeable core

lever details

	Levers	
Series Name	ALX Series	L Series
Product Code	Door Handle Schlage ALX Series (FDHSX)	Door Handle Schlage L Series (FDHSL)
Lever Style	 	 
Schlage's name	Athens	07
Teknion's name	Type A	Type 07
Lock Type	 Cylindrical Lock	 Mortise Lock
Lock Function	  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 Mortise 6 pin Full Size Interchangeable Core (FSIC) cylinder 6 pin
Lever Finish Options	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

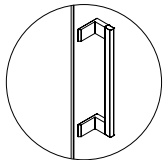
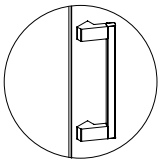
pull details

	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

pull details (continued)

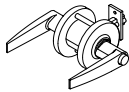
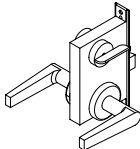
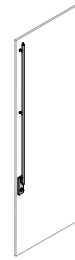
	Pulls	
Series Name	Linear Series	
Product Code	Door Handle Linear Pull (FDSLPL)	
		
Handle Type	(F), (G) Perpendicular, Non-Locking	(H), (I) Angular, Non-Locking
Lock Function		
Visual characteristics	7/8" x 9/16" Rounded rectangular aluminum tube, machined aluminum base 90° to door leaf	7/8" X 9/16" 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

application guide

handle compatibility

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

		Handles						
		Levers		Pulls				
		ALX Series (FDHSX)	L Series (FDHSL)	OS Series			TE Series	
				Door Handle Ceiling Pull (FDSCP)			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 Leaf Single (FD SGZL)	✓		✓			✓	✓
	Solid Hinged Door Leaf with Glass Insert Single (FDSNZL)	✓		✓			✓	✓
	Solid Hinged Door Leaf Single (FDSSZL)	✓	✓	✓			✓	✓
	Glass Hinged Door Leaf Double (FDDGZL)	✓						
	Solid Hinged Door Leaf with Glass Insert Double (FDDNZL)	✓						
	Solid Hinged Door Leaf Double (FDDSZL)	✓						
Pivot Doors	Glass Pivot Door Leaf Single (FD SGPL)	✓	✓	✓			✓	✓
	Glass Pivot Door Leaf Single - Double Glazed (FDCL)	✓ *	✓ *	✓ *			✓ *	✓ *
Sliding Doors	Glass Sliding Door Leaf Single (FD SGSL)			✓	✓	✓	✓	✓
	Solid Sliding Door Leaf with Glass Insert Single (FDSNSL)			✓	✓	✓	✓	✓
	Solid Sliding Door Leaf Single (FDSSSL)			✓	✓	✓	✓	✓
	Glass Sliding Door Leaf Double (FDDGSL)			✓	✓	✓	✓	✓

* available with tempered glass option only

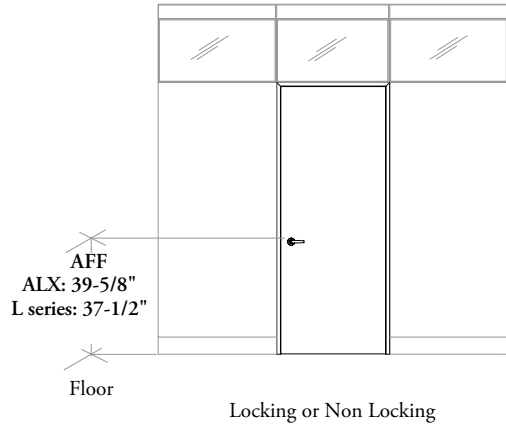
handle compatibility (continued)

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

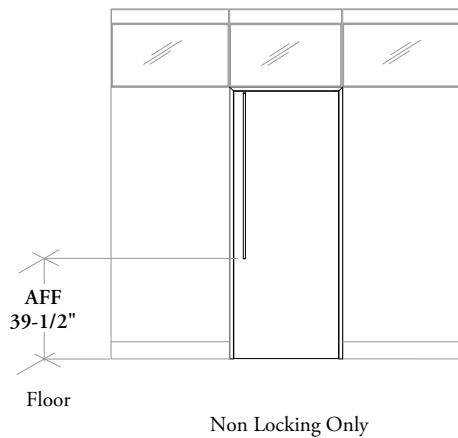
		Handles	
		Pulls	
		Linear Series	
		Door Handle Linear Pull (FDSLPL)	
			
		(F), (G) Perpendicular, Non-Locking	(H), (I) Angular, Non-Locking
Hinged Doors	Glass Hinged Door Leaf Single (FDSGZL)	✓	✓
	Solid Hinged Door Leaf with Glass Insert Single (FDSNZL)	✓	✓
	Solid Hinged Door Leaf Single (FDSSZL)	✓	✓
	Glass Hinged Door Leaf Double (FDDGZL)		
	Solid Hinged Door Leaf with Glass Insert Double (FDDNZL)		
	Solid Hinged Door Leaf Double (FDDSZL)		
Pivot Doors	Glass Pivot Door Leaf Single (FDSGPL)	✓	✓
	Glass Pivot Door Leaf Single - Double Glazed (FDCL)		✓
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)	✓	✓

The handle locations for swing doors is constant.

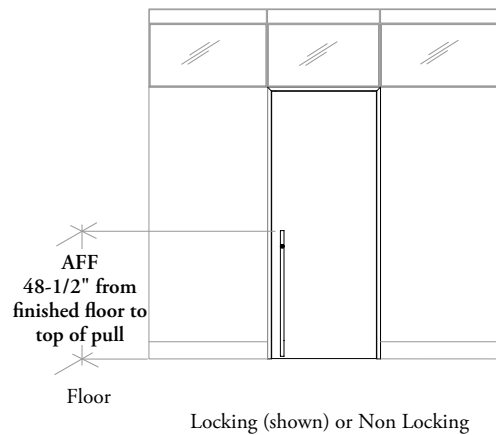
Swing Door with Lever



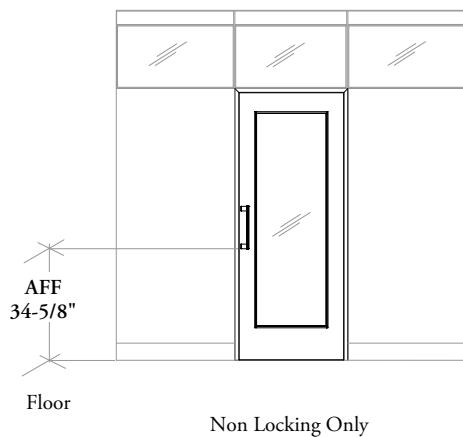
Swing Door with Ceiling Pull



Swing Door with Floor Pull



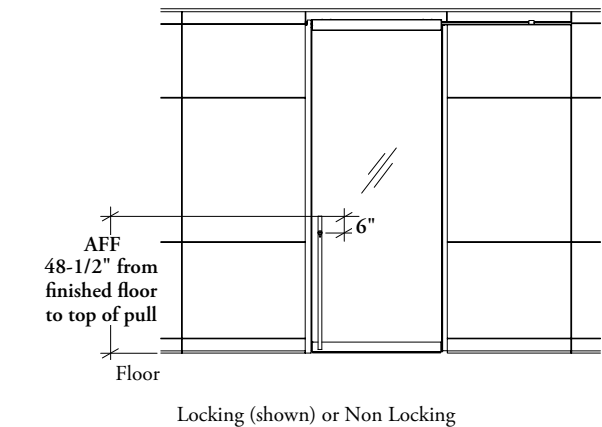
Swing Door with Angular and Perpendicular Pull



door handle locations (continued)

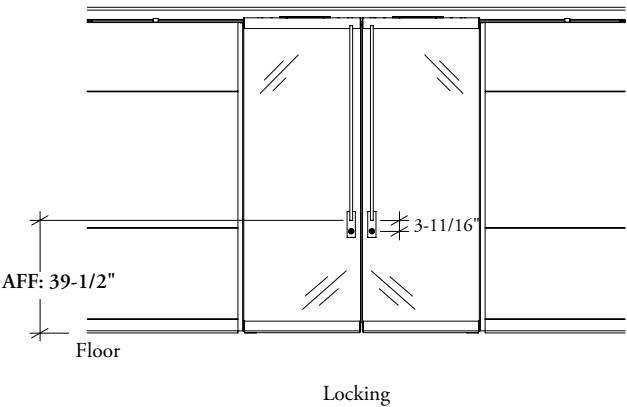
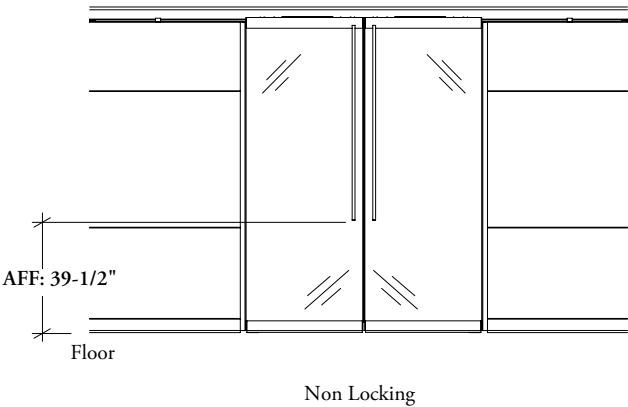
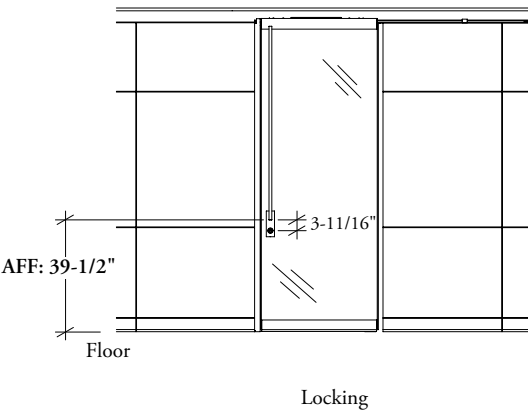
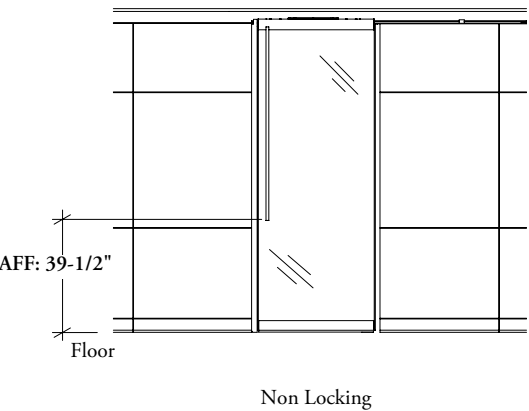
The handle locations for sliding doors is constant.

Sliding Door with Floor Pull



Sliding Door with Ceiling Pull

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

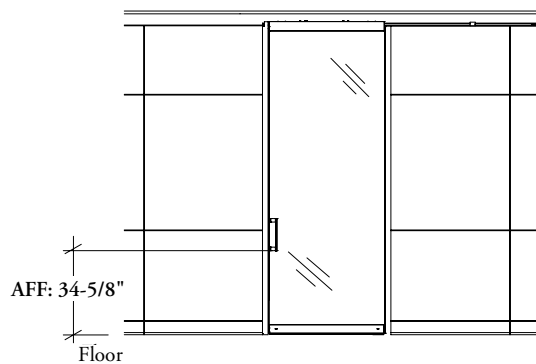


door handle locations (continued)

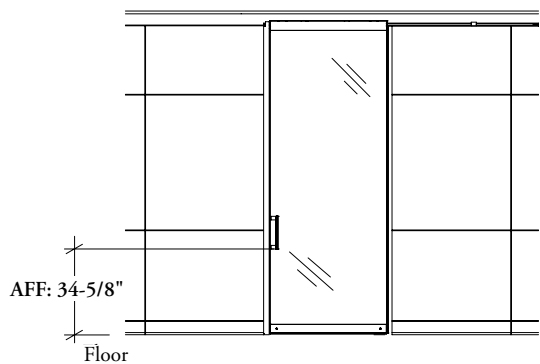
The handle locations for sliding doors is constant.

Sliding Door with Angular and Perpendicular Pull

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



Non Locking

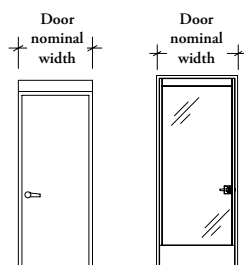


Non Locking

door clearance

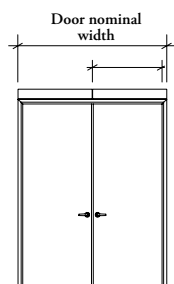
Door module widths and door clearances for all doors are shown below. Door modules include leaf, jamb kit and rail kit (the latter one for sliding doors only).

Single Swing Doors



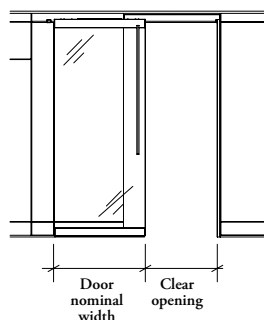
	Door Nominal Width	Door and Doorway Clear Width when Door Opened 180°	Door and Doorway Clear Width when Door Opened 90°
Glass Hinged Door Leaf Single (FDSGZL)	40	36"	34-1/4"
	42	38"	36-1/4"
Solid Hinged Door Leaf Single (FDSSZL) Solid Hinged Door Leaf with Glass Insert Single (FDSNZL)	40	36-1/4"	34-1/2"
	42	38-1/4"	36-1/2"
Glass Pivot Door Leaf Single (FDSGPL)	40	36-1/4"	35-1/2"
	42	38-1/4"	37-1/2"
Double Glazed Pivot Door Leaf, Single (FDCL)	40	35-3/4"	34"
	42	37-3/4"	36"

Double Hinged Doors



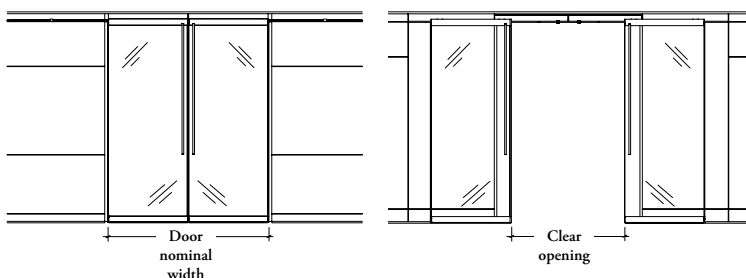
	Door Nominal Width	Door and Doorway Clear Width when Double Door Opened 180°	Door and Doorway Clear Width when Active Door Opened 180°	Door and Doorway Clear Width when Double Door Opened 90°	Door and Doorway Clear Width when Active Door Opened 90°
Glass Hinged Door Leaf Double (FDDGZL)	72	68"	33-1/2"	64-3/8"	33-3/4"
	80	76"	37-1/2"	72-3/8"	35-3/4"
	84	80"	39-1/2"	76-3/8"	37-3/4"
Solid Hinged Door Leaf with Glass Insert Double (FDDNZL) Solid Hinged Door Leaf Double (FDDSZL)	72	68-3/8"	33-3/4"	64-7/8"	32"
	80	76-3/8"	37-3/4"	72-7/8"	36"
	84	80-3/8"	39-3/4"	76-7/8"	38"

Single Sliding Doors



	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



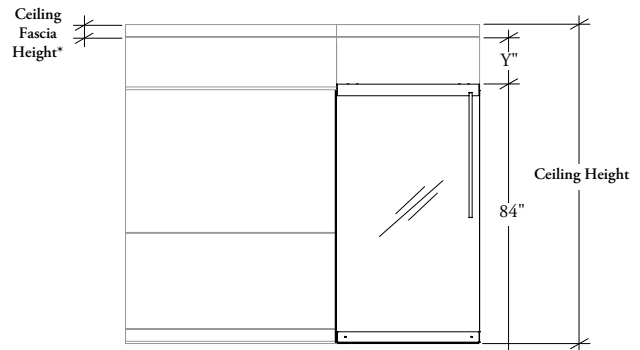
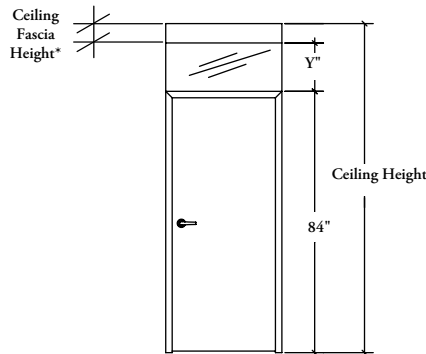
	Door Nominal Width	Both Doors Clear Width Opening	Active Door Clear Width Opening
Glass Sliding Door Leaf Double (FDDGSL)	70	56-1/2"	28-1/8"
	72	58-1/2"	29-1/8"
	78	64-1/2"	32-1/8"
	80	66-1/2"	33-1/8"

application guide

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:



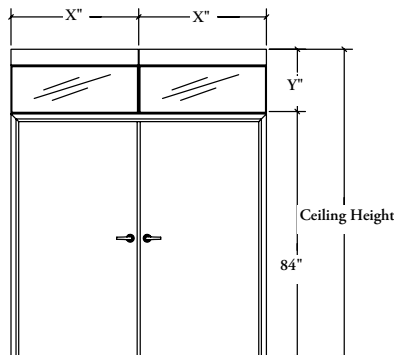
Fascia Height calculation:

$$\underbrace{\text{Ceiling Height}} - \underbrace{84"} - \underbrace{4" \text{ or } 6"} = \underbrace{Y"} = \text{Fascia Height to order}$$

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

* Additional 1/4" door height increments available for double glazed door

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

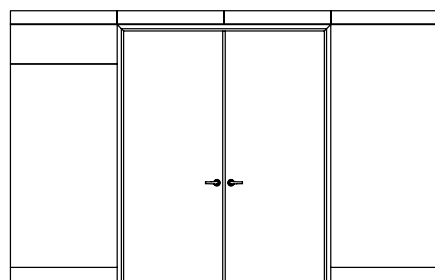
planning with swing doors

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.

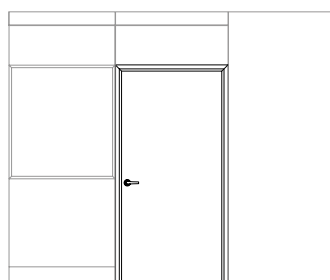
Corresponding jamb kits must be specified.



Segmented Height Wall

Full-Height Doors

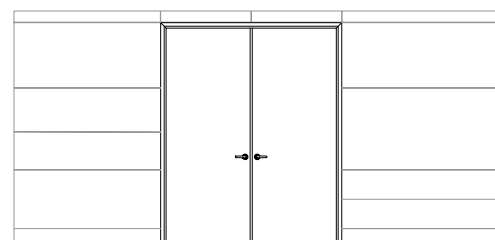
Full-Height Wall



Working Wall

Segmented Height Door

Monolithic Height Wall

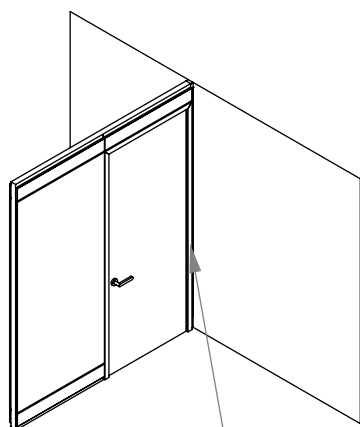


Light Working Wall

Full-Height Doors

Cabinet Working Wall

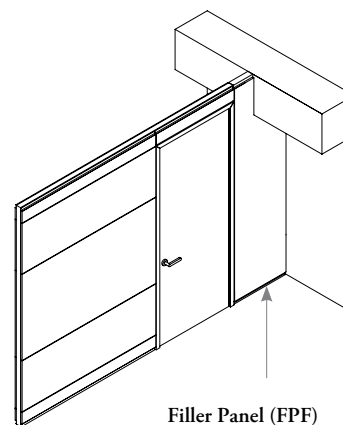
Wall Starts and Filler Panels



Wall Start (FKW)

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).

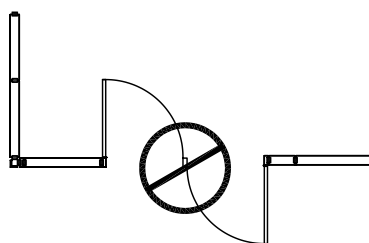
Doors can be attached to Adjustable Wall Start (FPKW or FLKW).



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 double glazed swing doors

Double glazed doors have specific height specifying requirements.

specifying double glazed doors

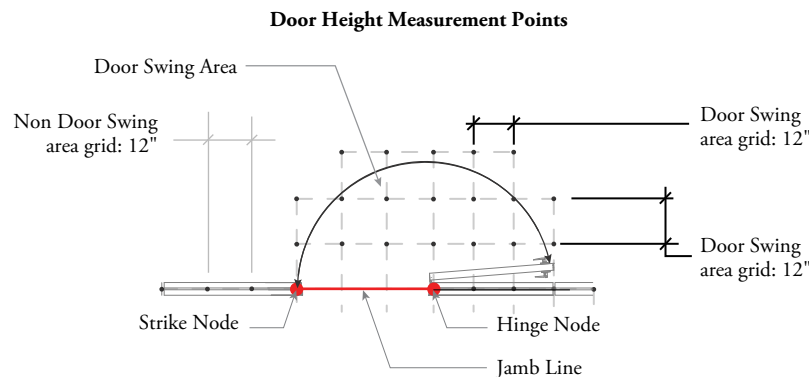
The Strike Node and Hinge Node measurement is to define the door height needed at the installation site of the door.

- Double Glazed Door Height is sized in 1/4" increments and tailored to the location of the door to compensate for site's specific conditions.
- The purpose of the door increments is to minimize the gap under the door and maintain a gap close to the nominal 1/2"

specifying double glazed door height increments

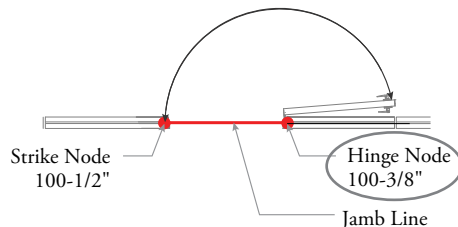
Step 1: Use a laser to survey the door swing area

- Door Swing Area is the half circle area, with the hinge node as the center, and the jamb line as the radius.
- Measure every node in the door swing area.
- Both Strike and Hinge Nodes are to be measured separately.



Step 2: Determine the minimum node between Strike and Hinge Nodes

Example: Minimum node between Strike and Hinge Nodes: 100-3/8" (Hinge Node in example below)



Step 3: Round to the nearest 1/4" height increment using the table below for specifying the correct door height:

Measured Minimum Node Height	Ceiling Height	Door Height Increment
99-7/8 to 100-1/16"	100"	(A) 0"
100-1/8 to 100-5/16"	100"	(B) 1/4"
100-3/8 to 100-9/16"	100"	(C) 1/2"
100-5/8 to 100-13/16"	100"	(D) 3/4"
100-7/8 to 101-1/16"	101"	(A) 0"

Example:

Measured Minimum Node Height: 100-3/8"

Rounded 1/4" Door Height: 100-1/2"

planning with double glazed swing doors (continued)

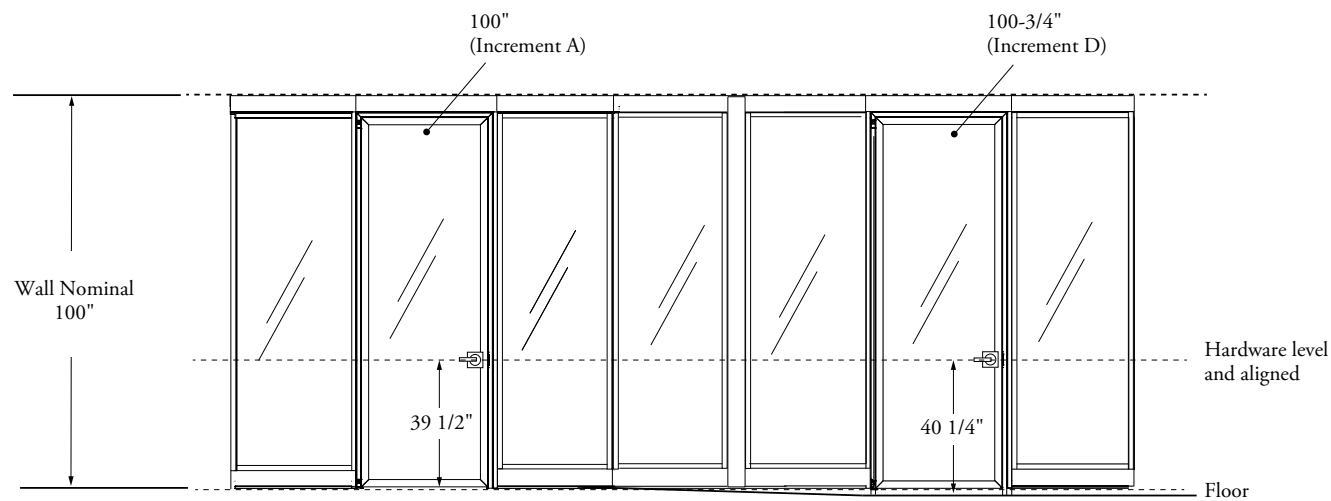
Double glazed doors have specific height specifying requirements.

specifying double glazed doors

The following should be considered when selecting door increments. Hardware datums from the floor may vary depending of the floor site conditions.

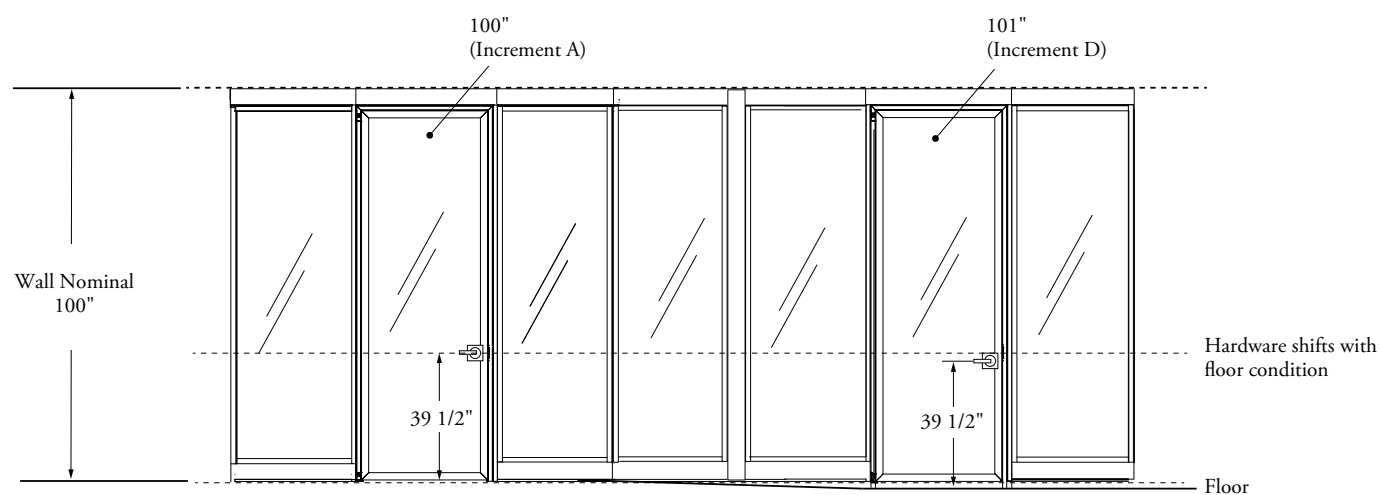
Door adapting to floor variance 3/4" or less

- Doors can accommodate variances in the floor in 1/4" increments up to 3/4" while maintaining a level position of the hardware across the wall system when the floor variance is 3/4" or less.
- See example below:



Door adapting to floor variance 1" or more

- Doors that need to accommodate a variance in the floor greater than 1" will use the next door increment height (eg 101").
- The position of the hardware will reset to the doors nominal distance in relation to the floor.
- See example below:



application guide

planning with sliding doors

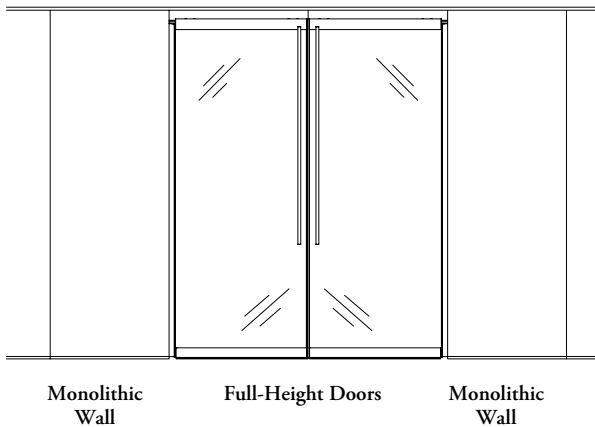
The following rules should be considered when planning with Altos sliding doors.

- 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

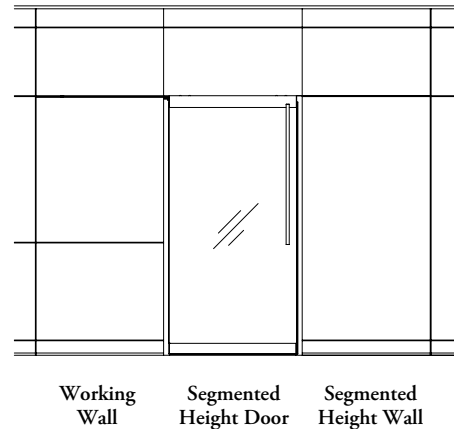
Elevations Adjacent to Sliding Doors



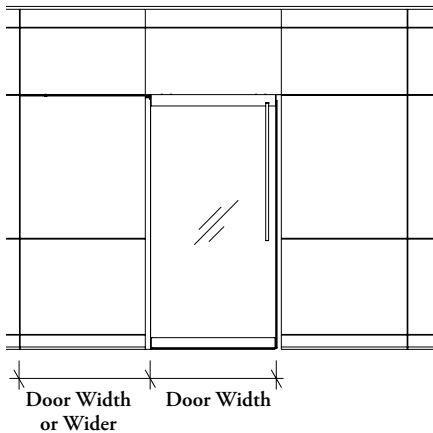
Segmented or Full-height doors cannot be used adjacent to (Portrait) Monolithic elevations.



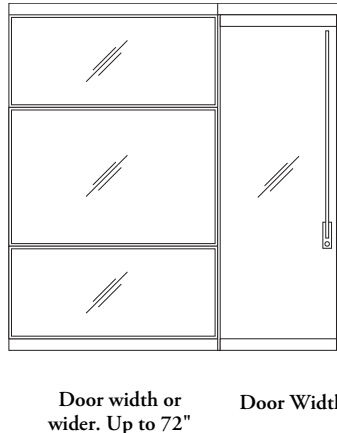
Segmented height doors can only be planned adjacent to (Portrait) Segmented or Working Wall elevations.



Portrait



Landscape

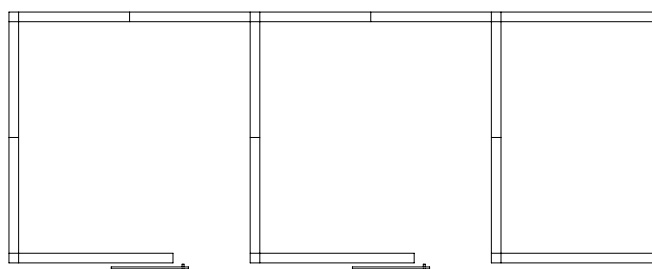


Single Sliding Doors:

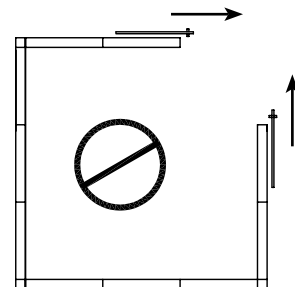
Adjacent wall on which door slides must be of equal width or wider. This adjacent wall can not exceed 72" width for landscape configurations.

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"



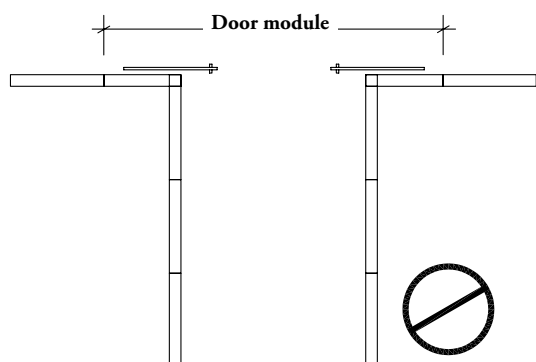
When the Sliding Door is located next to a corner connection without an adjoining wall module the Sliding Door **must be** mounted on the outside of the wall run.



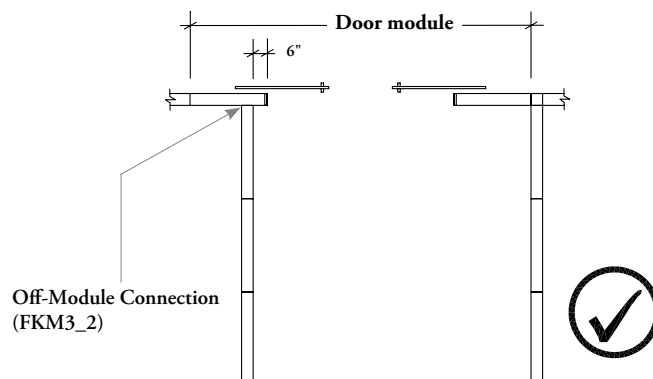
Two Sliding Doors **cannot** be mounted to meet at a corner.

planning with sliding doors (continued)

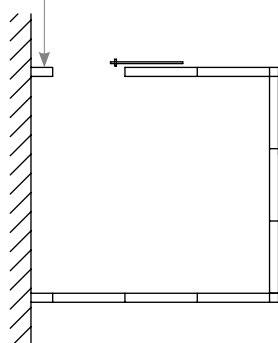
Door frame **cannot** connect to a two way corner connection.



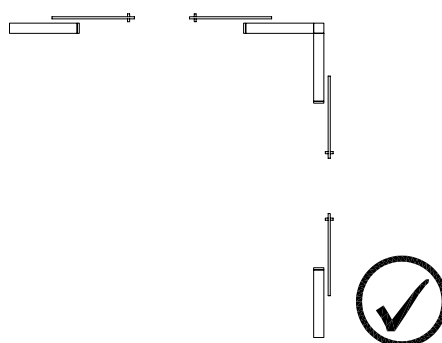
- Door frame can connect to a wall run with a Three-Way 180° Off-Module Connection (FKM3_2)
- Minimum distance between a door frame and a return wall run is 6"



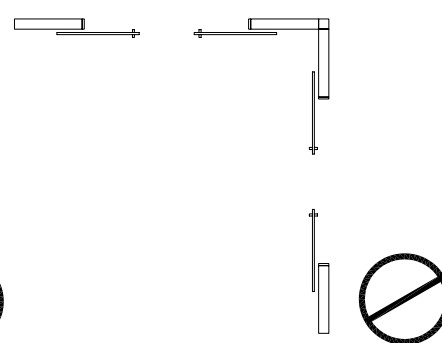
Wall module must measure a minimum of 12" wide



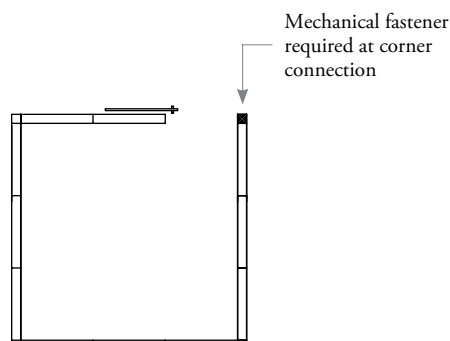
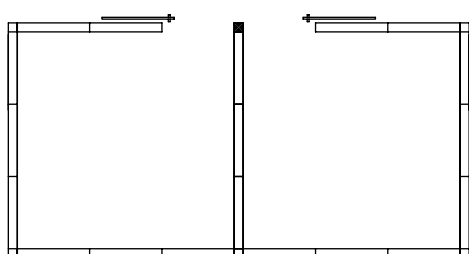
When doors meet at 90° corner, at least one of two door sets should be exterior mounted.



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

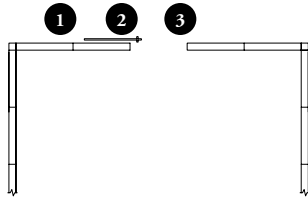


When the Sliding Door is located next to a corner connection **without** an adjoining wall module, a mechanical fastener securing the corner connection to the floor is required and the Sliding Door must be mounted on the outside of the wall run.

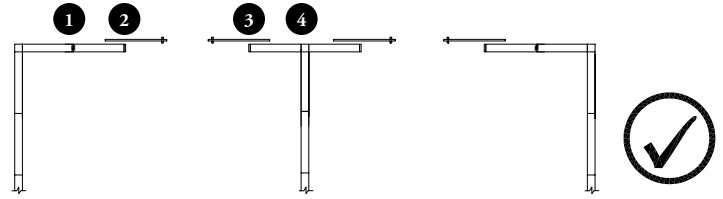


planning with sliding doors (continued)

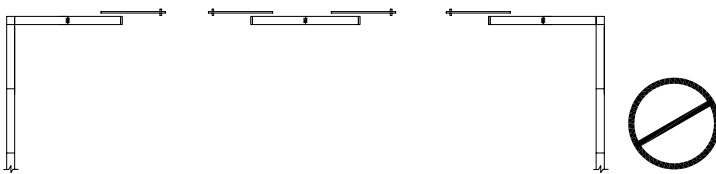
Each Single Sliding door needs three supporting points.



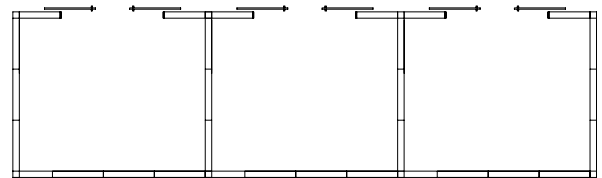
Each Double Glass Sliding door needs four supporting points.



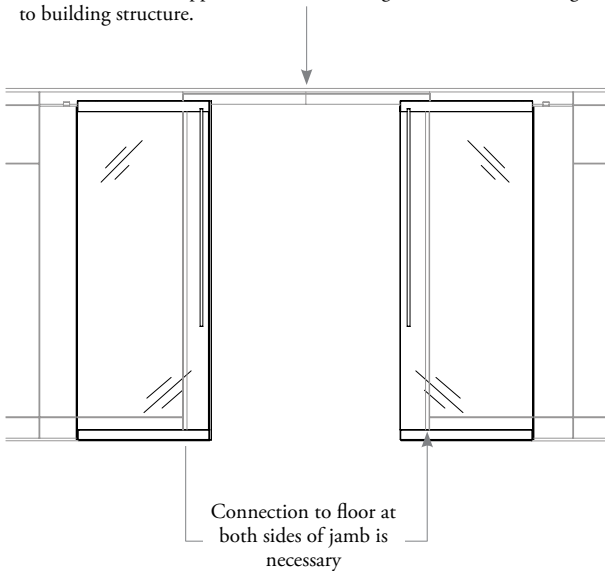
Shared post **cannot** be used between two double sliding doors.



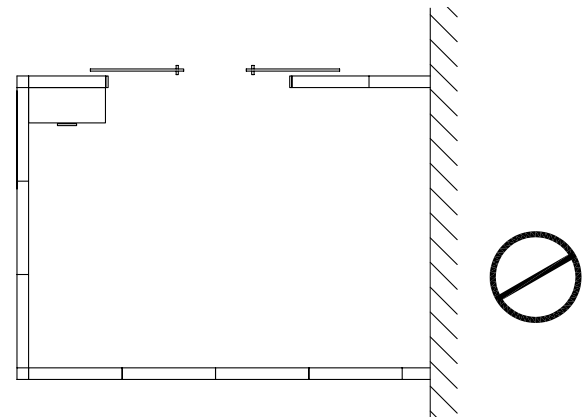
A three-way corner connection is required between adjacent sliding doors.



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



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



portrait & landscape -
tv shroud

portrait & landscape - tv shroud

WHAT IS TV SHROUD	343
TV SHROUD BASICS	344
UNDERSTANDING TV SHROUD	345
SPECIFYING TV SHROUD	346
PLANNING WITH TV SHROUD	347

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

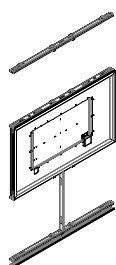
- Provides the opportunity for mounting audio-visual equipment within the Shroud Fascia.
- Convenient, easy access for servicing equipment without having to disrupt the workday flow.

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)

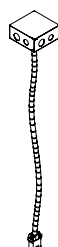
tv shroud basics

The Shroud consists of the following discrete elements.



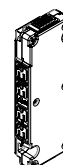
TV Shroud Fascia (FFSFA)

- 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)

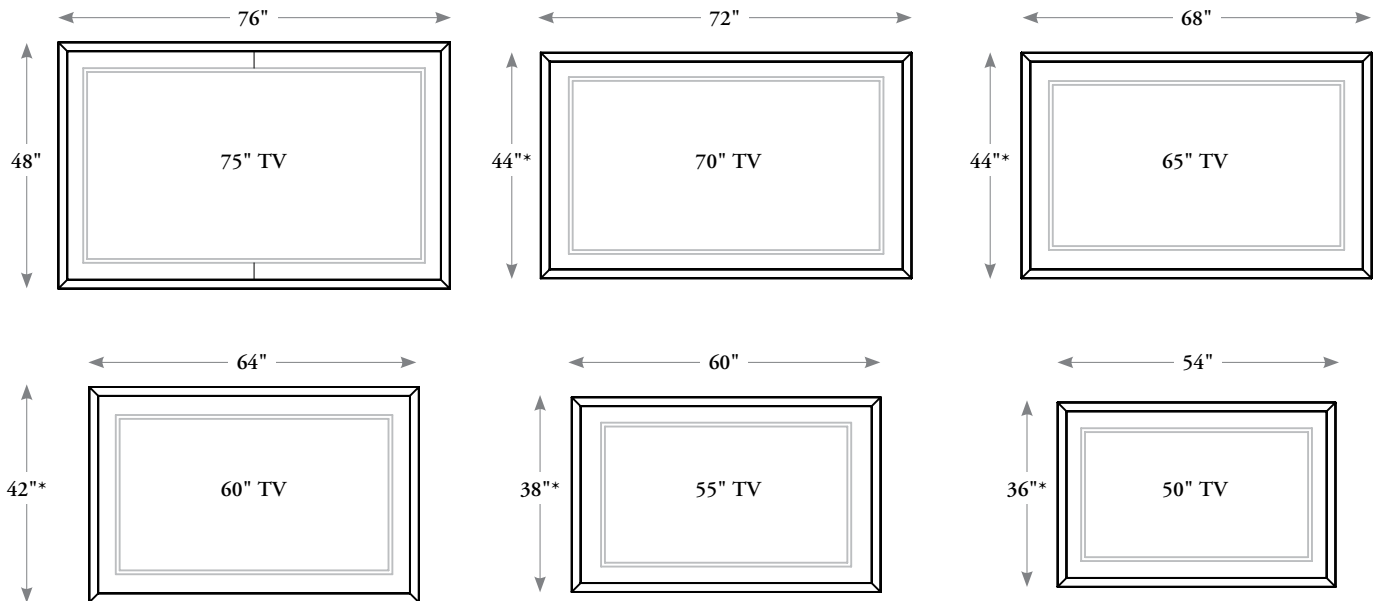
- One distribution box can power up to four plug-in items
- It is used to plug TV and other AV items behind the TV Shroud Fascia
- Can be installed with outlets to face right or left
- Wire System: 4B, 5D, 7G, 8T, 8K
- Outlet Configuration: Various options

application guide

understanding tv shroud

dimensions

The TV Shroud Fascia is available in the following configurations.



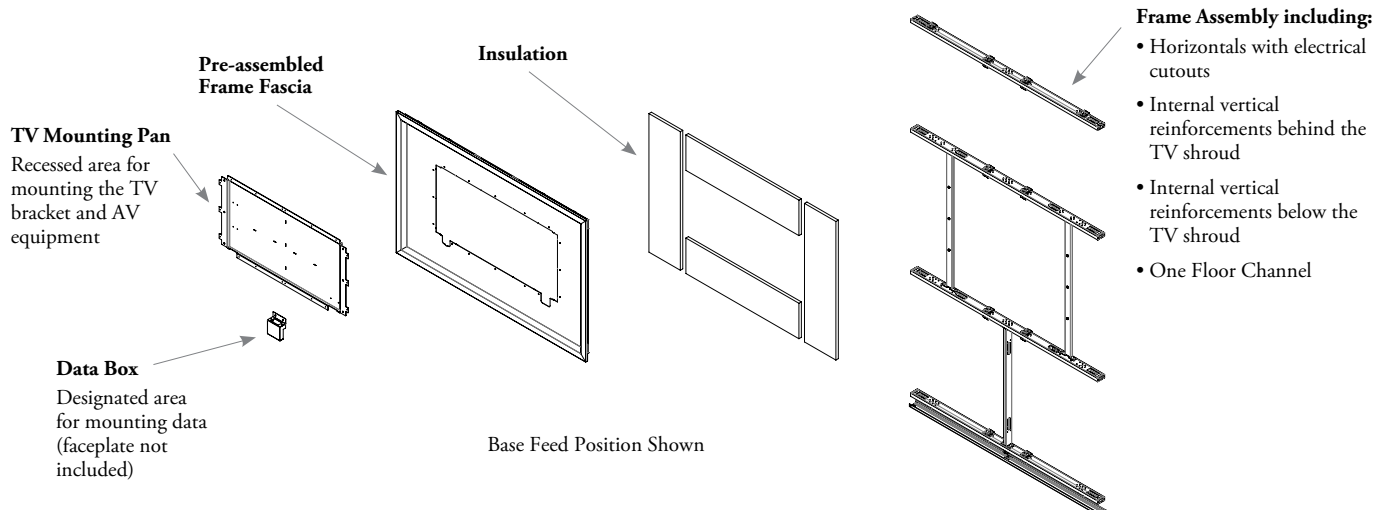
* Extended Height Available. Up to to 48" High in 1" increments

(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

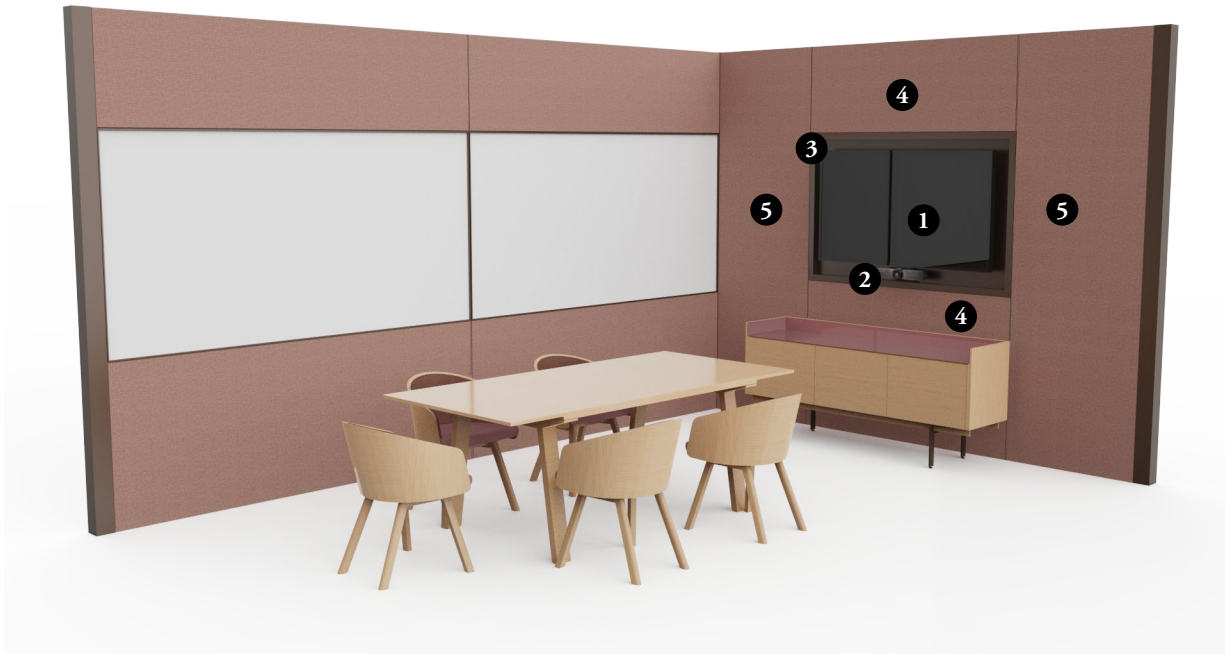
The TV Shroud consists of the following components:



specifying tv shroud

The following should be considered when specifying the TV Shroud.

planning considerations



- ❶ Determine what size of TV is required for the space being designed.
- ❷ Determine if AV tech support is required - video cameras, speakers, or microphones.
- ❸ 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.
- ❹ Specify fascias above and below the TV Shroud. These fascias might need to be customized depending on the application.
- ❺ Specify fascias adjacent to the TV Shroud. Portrait and landscape fascias can be planned next to the shroud.
- ❻ Specify fascias behind the TV shroud. Same datums should be used on the other side of the wall.
- ❼ 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 through 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

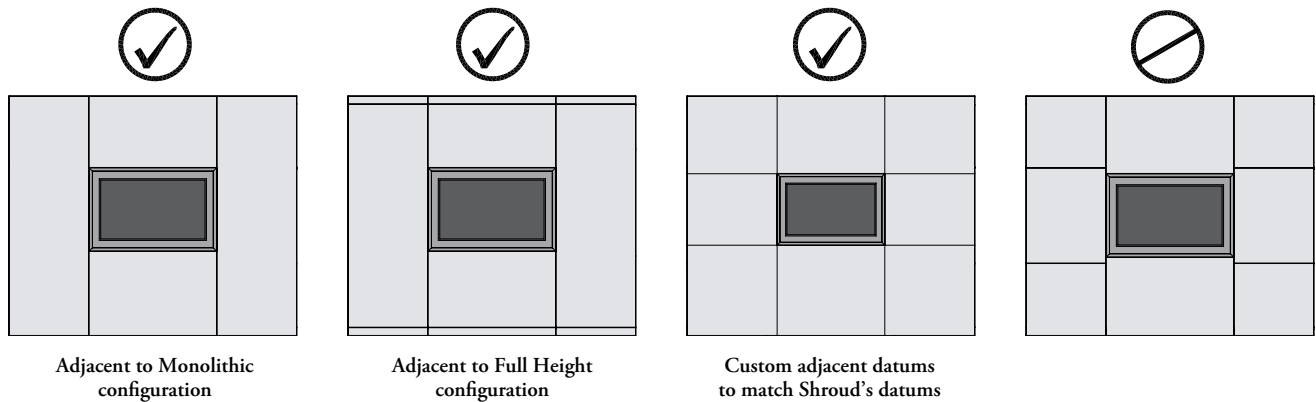
The TV Shroud Fascia allows for multiple configurations based on specific TV height requirements. Shroud Fascia size and location should be defined based on ideal viewer height needs as well as smallest possible spacing between the TV and the Shroud.

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.

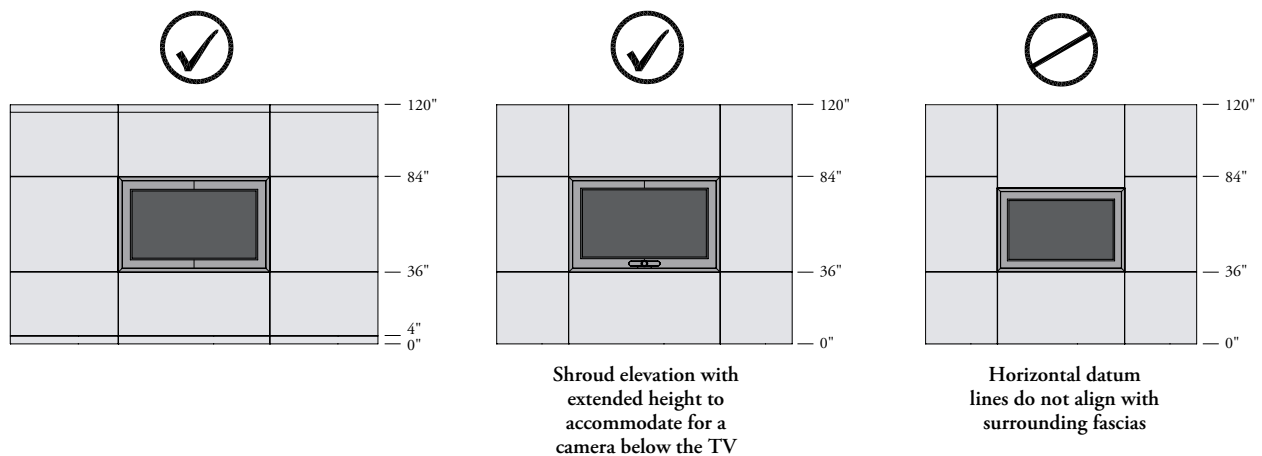
In elevations in which Shroud datums are different than 36" and 84" AFF, adjacent Fascias should be Portrait Monolithic or Full Height. In elevations in which Shroud datums follow 36" and 84" AFF, adjacent Fascias can be any standard Portrait or Landscape wall configuration.

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:



Shroud elevations with Standard 36" and 84" AFF datums:

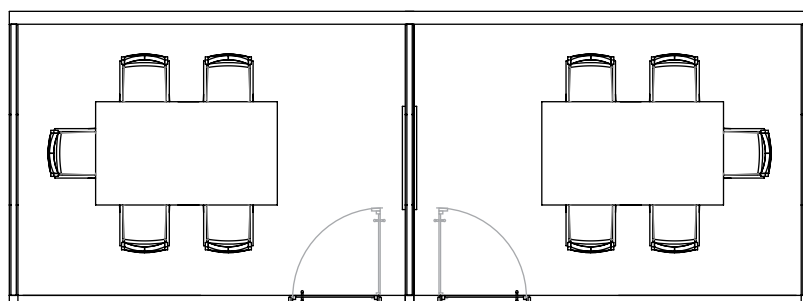
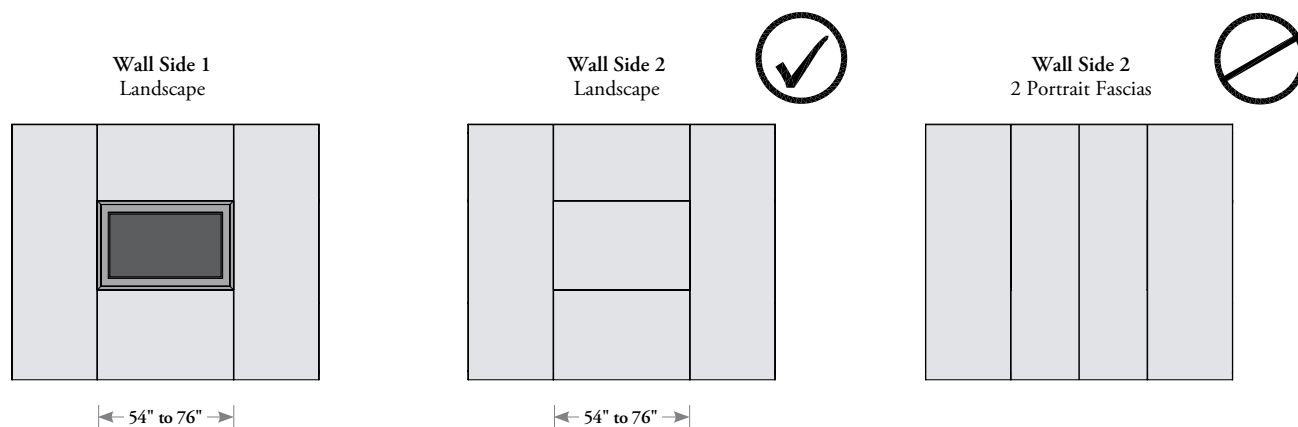


planning with tv shroud (continued)

The following should be considered when planning with the TV Shroud.

addressing the opposite side

- Fascias above and below the Shroud are always landscape as they are dictated by TV width sizes.
- The Fascia on the opposite side of the TV Shroud must follow the same size and datums.



planning with vertical posts

Vertical posts are required to connect the TV Shroud fascia to adjacent fascias.

In elevations in which the TV Shroud datums are different than 36" and 84" AFF, a Working Wall Vertical Post Package (FKVW_4) is required. The inner and/or outer elevations might require on-site fascia clip height reconfiguration. If preconfigured vertical post is preferred, order special FLKVP to have the clips at required locations on both sides.

In elevations in which Shroud datums follow 36" and 84" AFF, refer to the section Planning with Vertical Post - Landscape for details on which vertical post to order.

planning with tv shroud (continued)

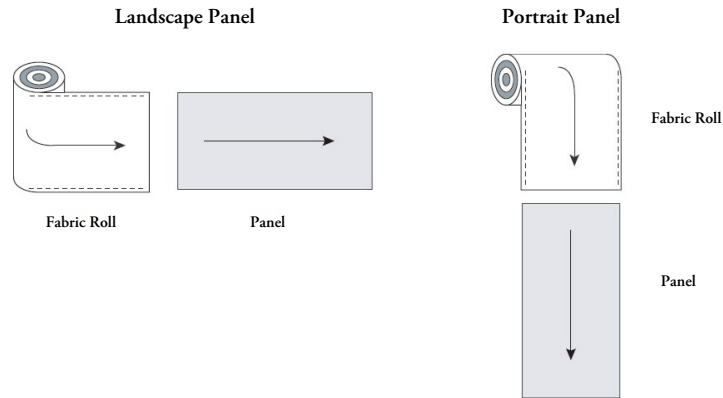
grain and fabric direction

When planning with finishes it is important to note the fabric and grain direction for the fascias surrounding the TV Shroud.

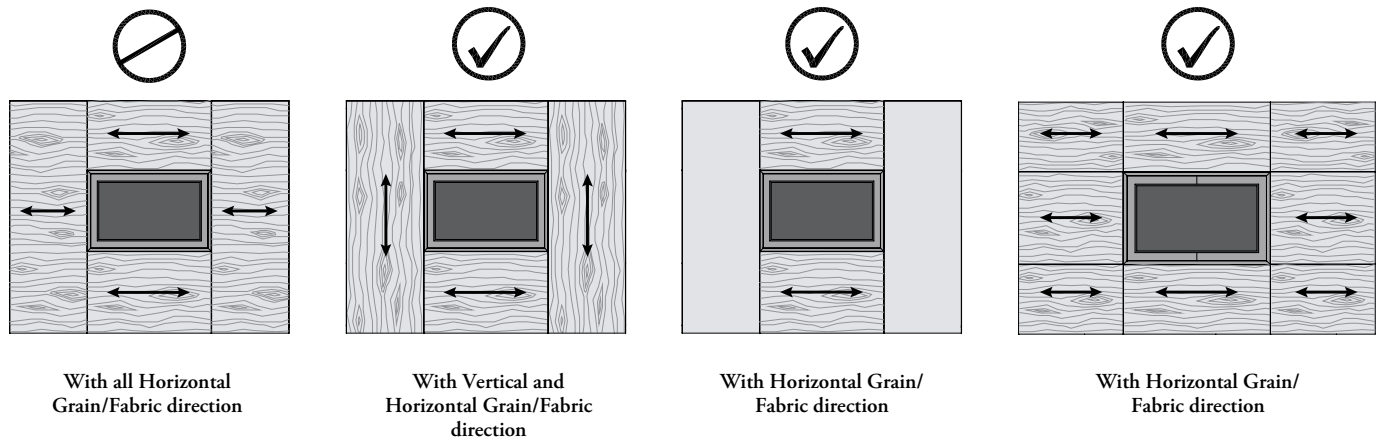
Fascias above and below the Shroud are always landscape as they are dictated by TV width sizes.

When creating compositions that incorporate both portrait and landscape panels special considerations for fabric direction and selection apply.

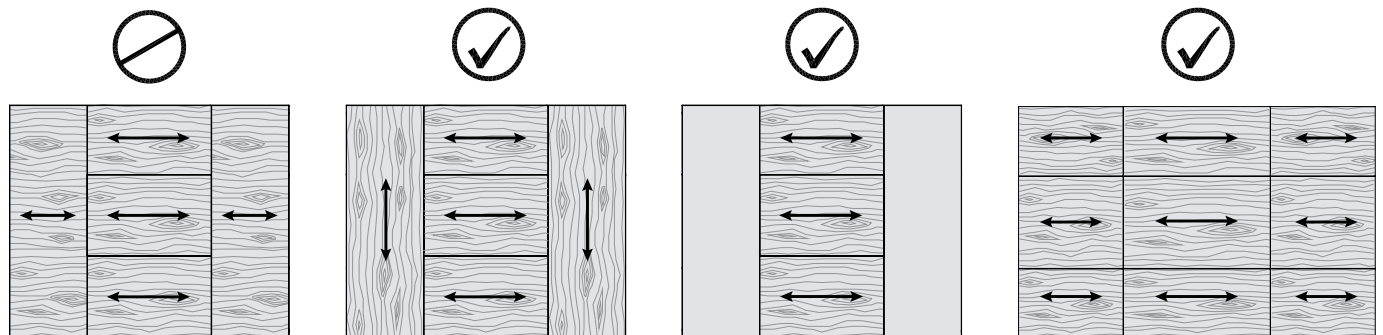
The fabric direction will vary when mixing landscape and portrait panels, as seen in the example below. Landscape panels have the fabric applied railroad and portrait panels have the fabrics applied off the bolt.



fascias around the TV Shroud



addressing the opposite side



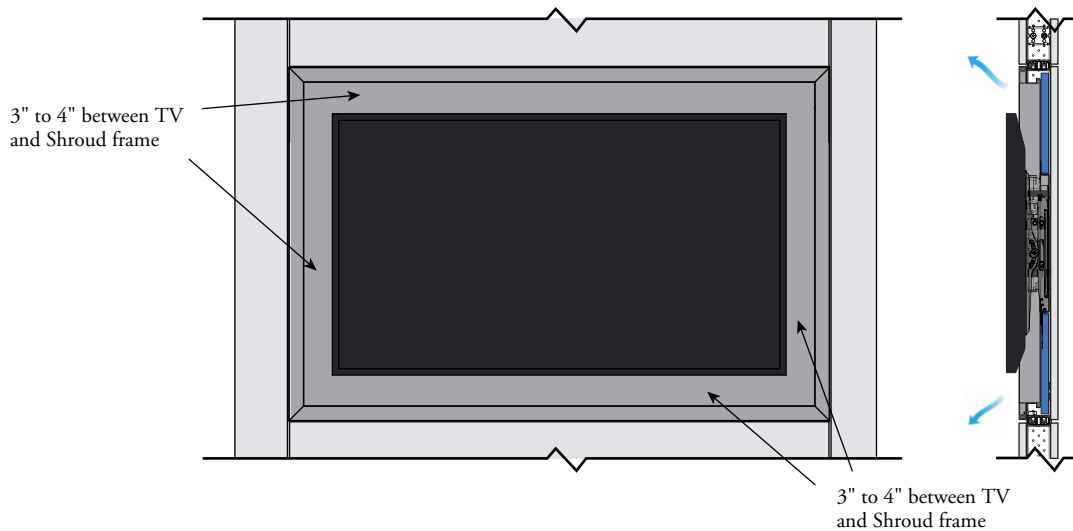
planning with tv shroud (continued)

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.



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

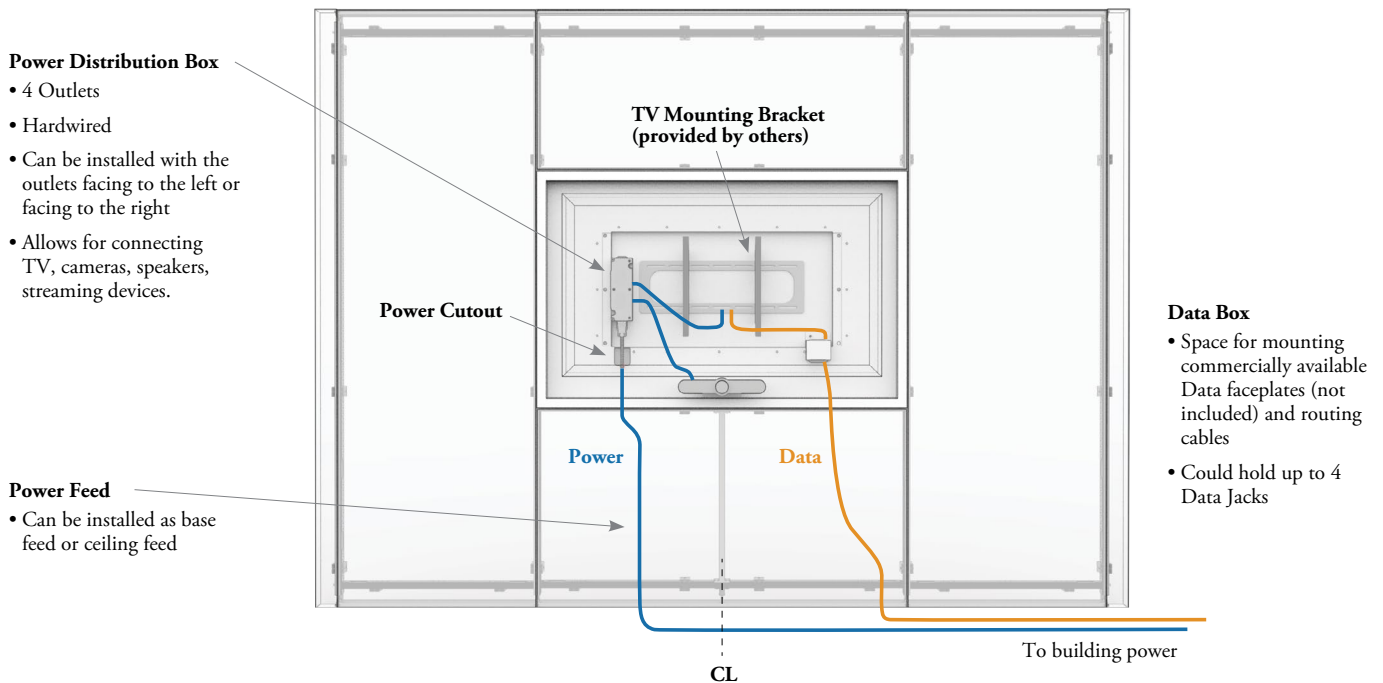
- Streaming devices can be installed behind the TV, depending on the size of the hardware kits.
- Cameras, microphones or speakers can be installed above or below the TV, depending on the size of the devices. Smaller shrouds can be specified with increased height in those situations.

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

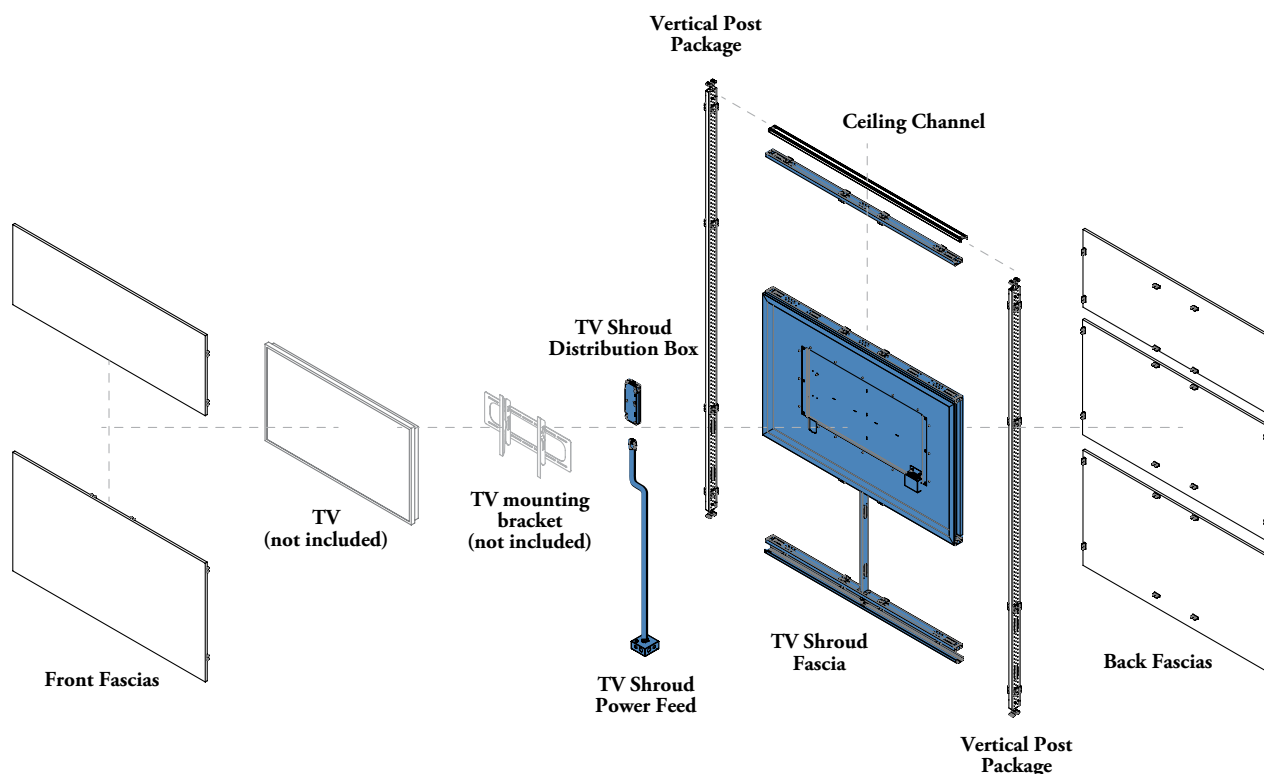


Powering the TV Shroud

- 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



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

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