

tekhunion

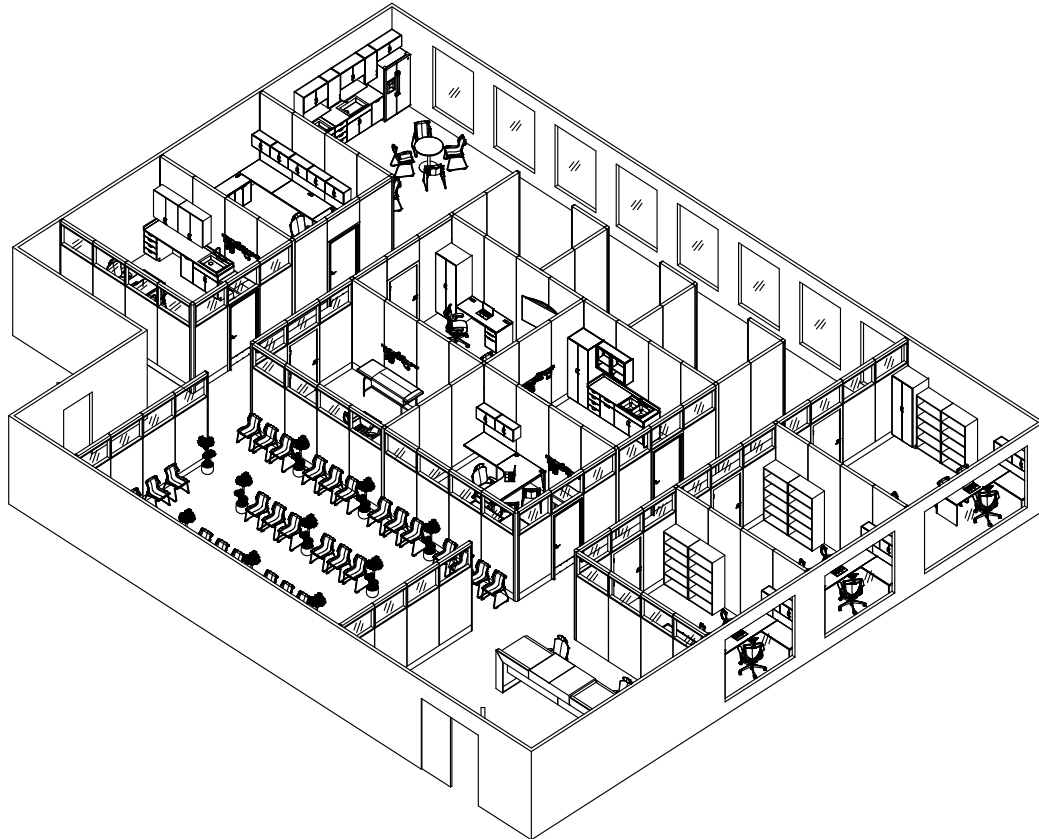
what is AI Healthcare

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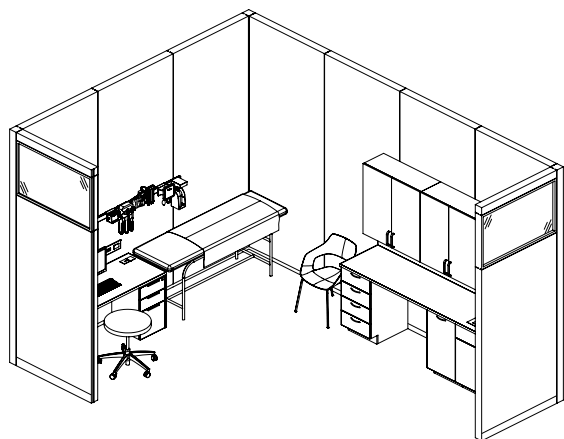
AI Healthcare is a full-height architectural wall system with the ability to create complete healthcare environments. Fully equipped with walls, electrical and communication solutions, AI Healthcare responds to the evolving needs of healthcare.

- Walls can be used almost anywhere on a building floor plate where the ceiling height is between 8'-0" and 10'-0"
- Cannot be used as a fire separation
- Maximum wall run is 16' in non-seismic zones – for seismic zones, contact your AI Healthcare representative

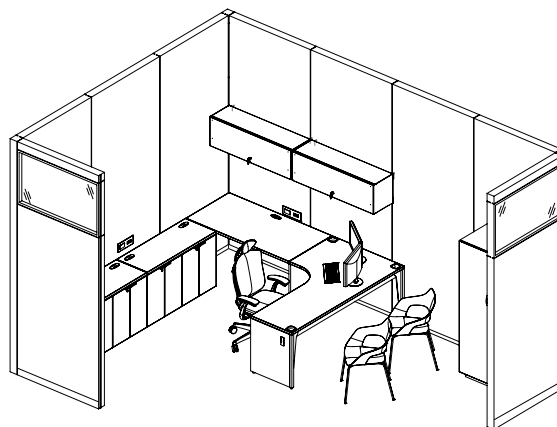


what is AI Healthcare (continued)

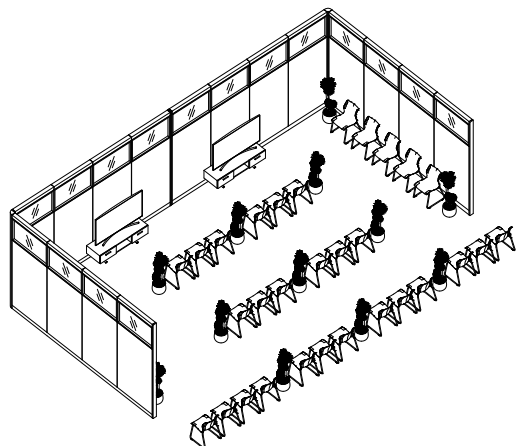
The following are AI Healthcare planning overviews.



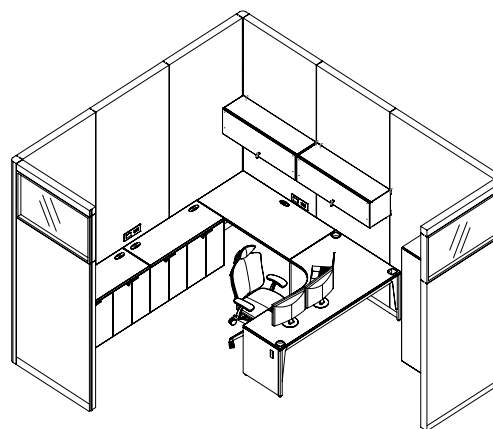
exam room



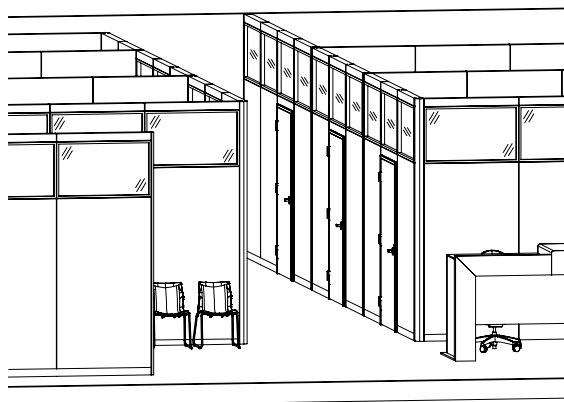
consultation room



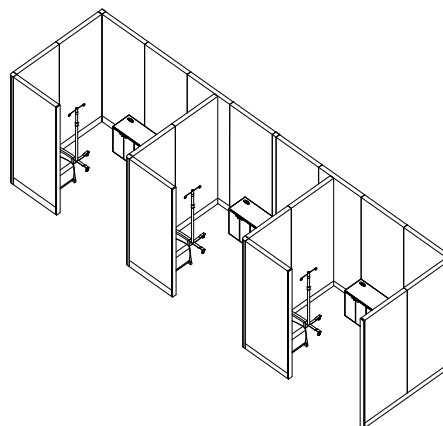
waiting area



telehealth



exam room corridors

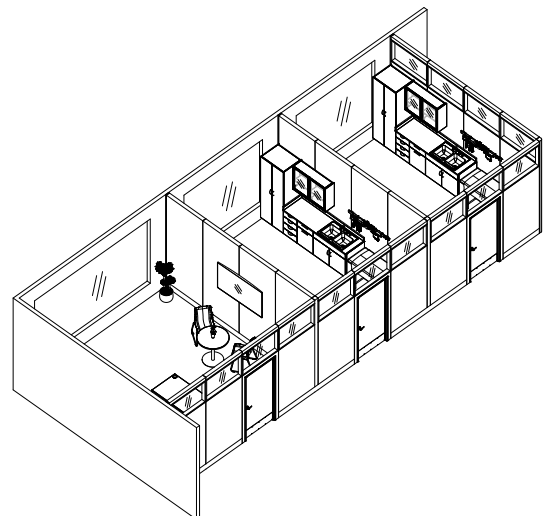
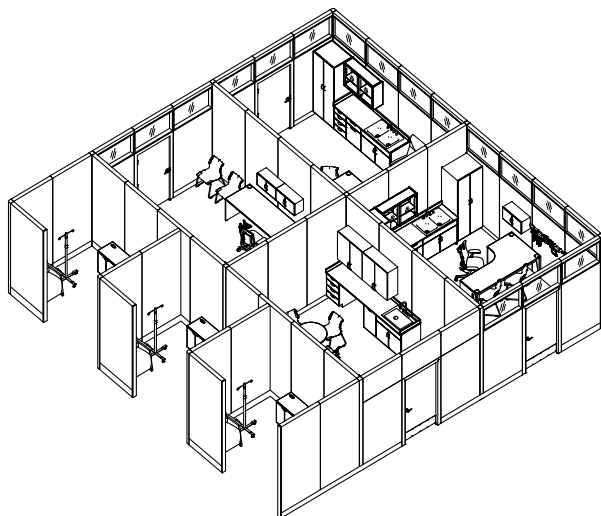
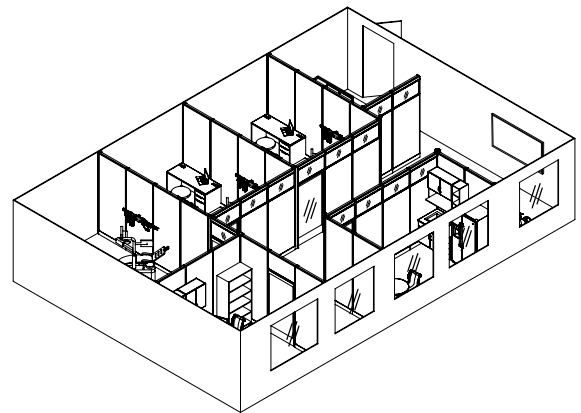
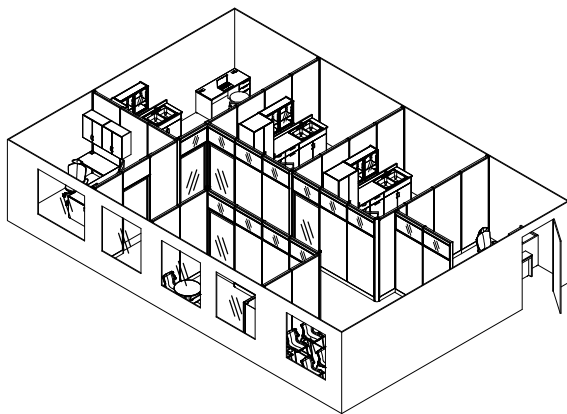


infusion clinic

AI Healthcare planning overview

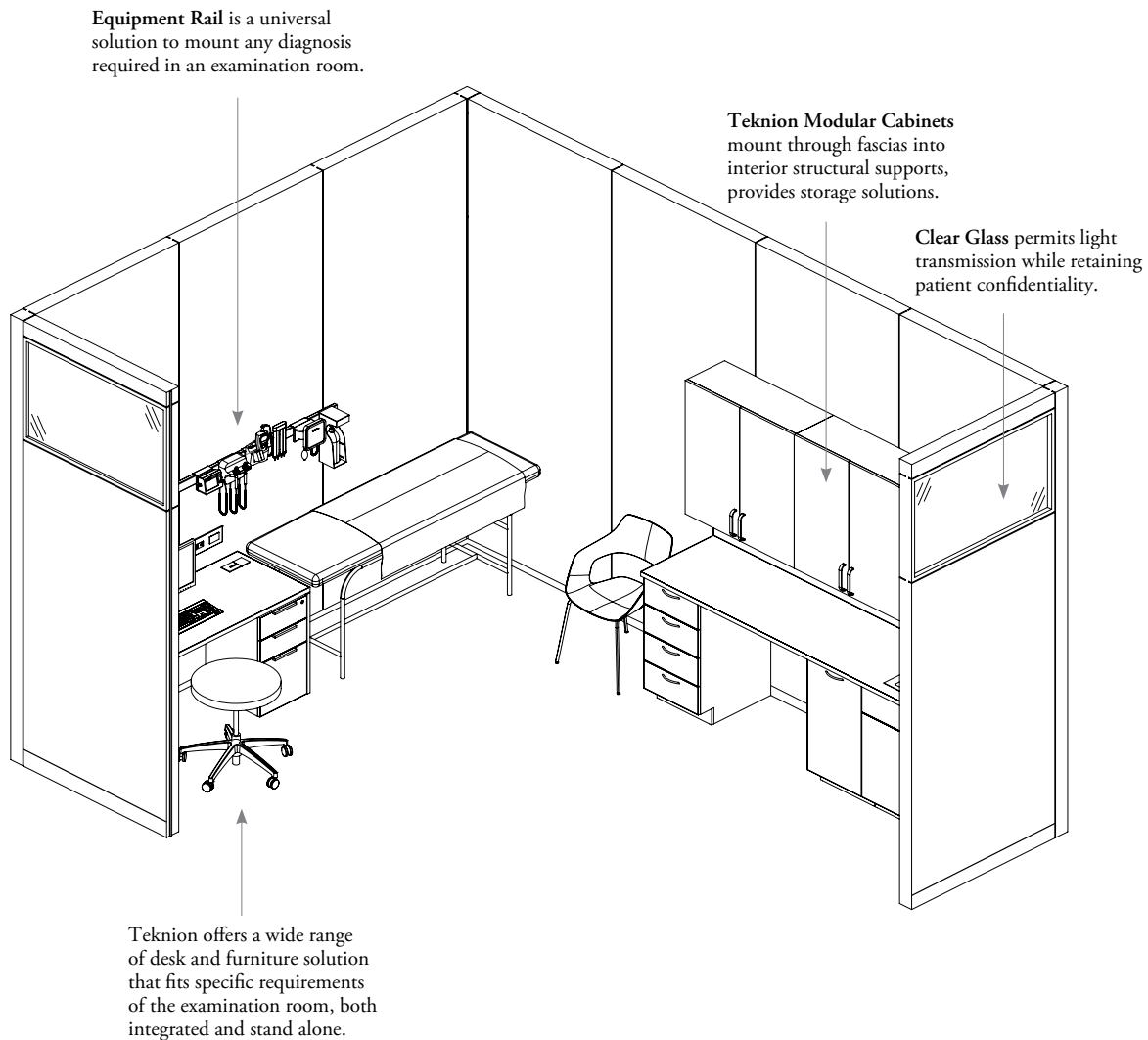
AI Healthcare is a full-height architectural wall system with vertically spanning fascias and has healthcare focus features integrated into the system to suit the specific needs of a medical environment.

- AI Healthcare readily furnishes privacy requirements in spaces like exam rooms, infusion clinics, consultation and telehealth offices and dividers in waiting rooms
- AI Healthcare is designed so that its simple, clean aesthetic blends seamlessly with existing healthcare environments and complements building interiors
- An array of gasket seals allows the system to put cleanliness as a priority
- An array of data and electrical solutions give power options to each individual office



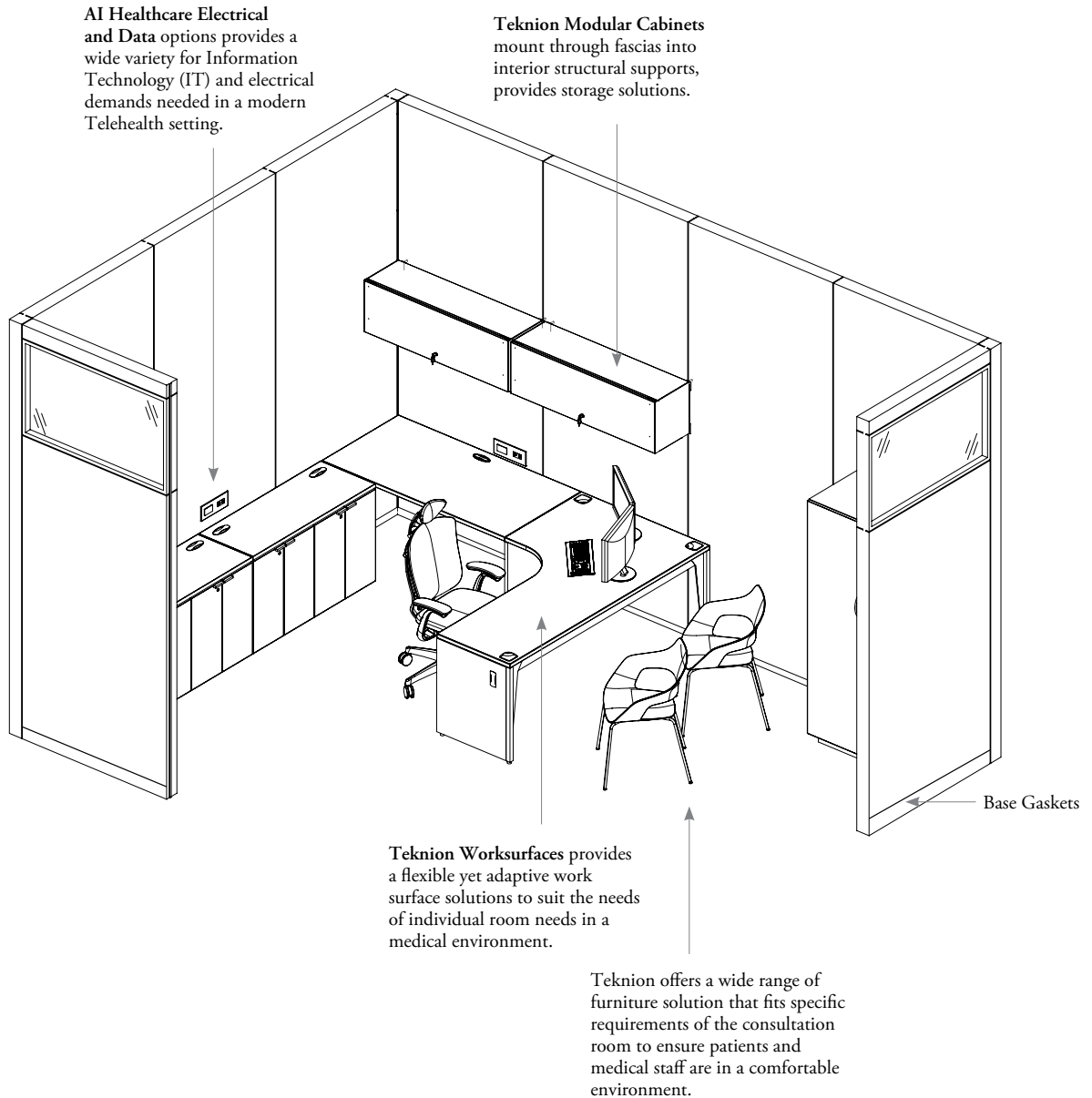
planning possibilities - examination room

AI Healthcare retains the highest level of patient to doctor privacy, with a wide variety of available options ensure all the necessary needs of a examination room is fully integrated into the architecture.



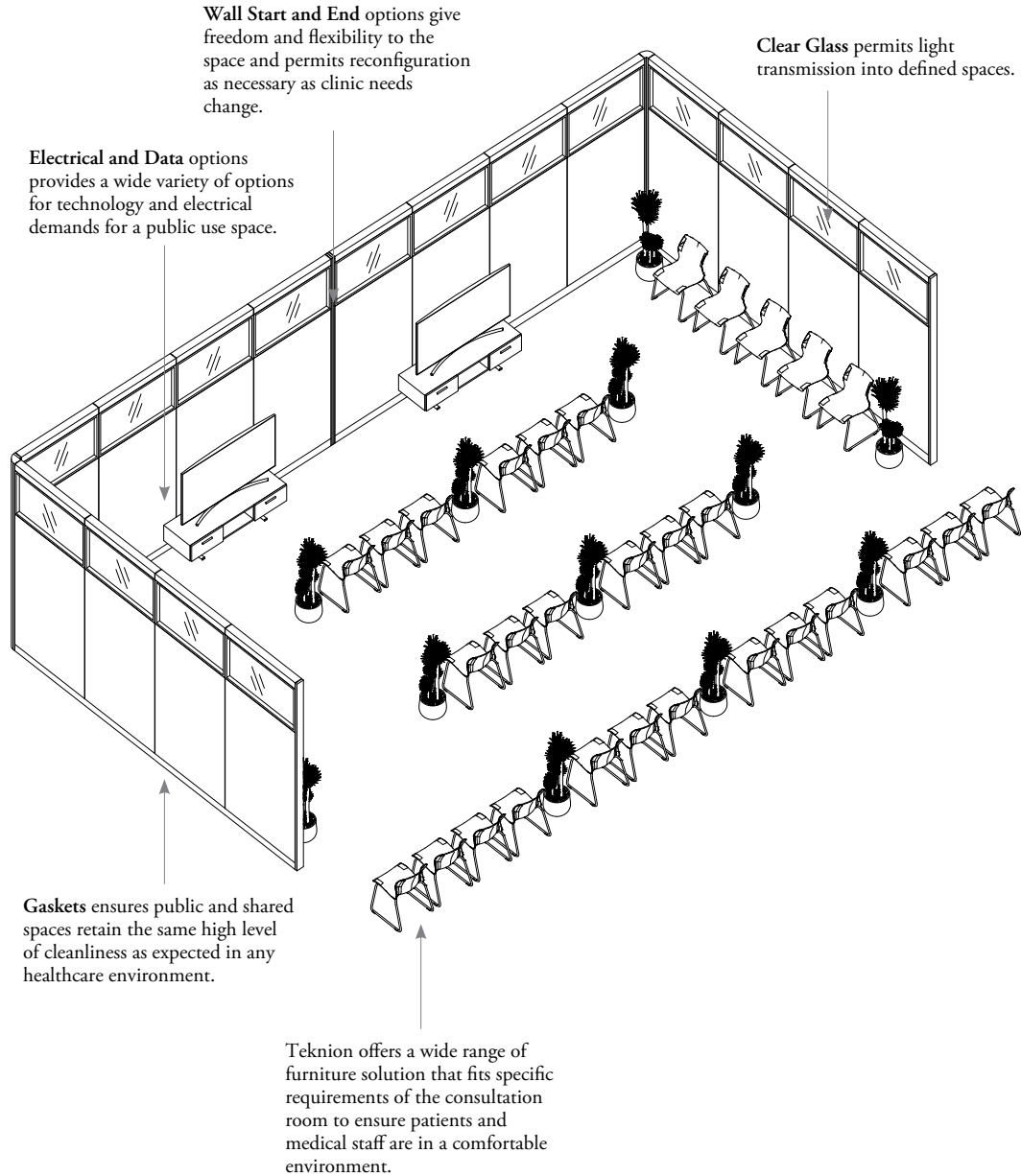
planning possibilities - telehealth & consultation room

AI Healthcare offers a wide variety of communication and power options, giving the options and flexibility needed for specific power and networking requirements for Telehealth use.



planning possibilities - public area

AI Healthcare with its specific design of minimizing reveals and tailored seals maintain the highest consideration for cleaning and infection controls while providing greater freedom to the design of the general waiting areas and hallways.



Step 1 – Drawing Review

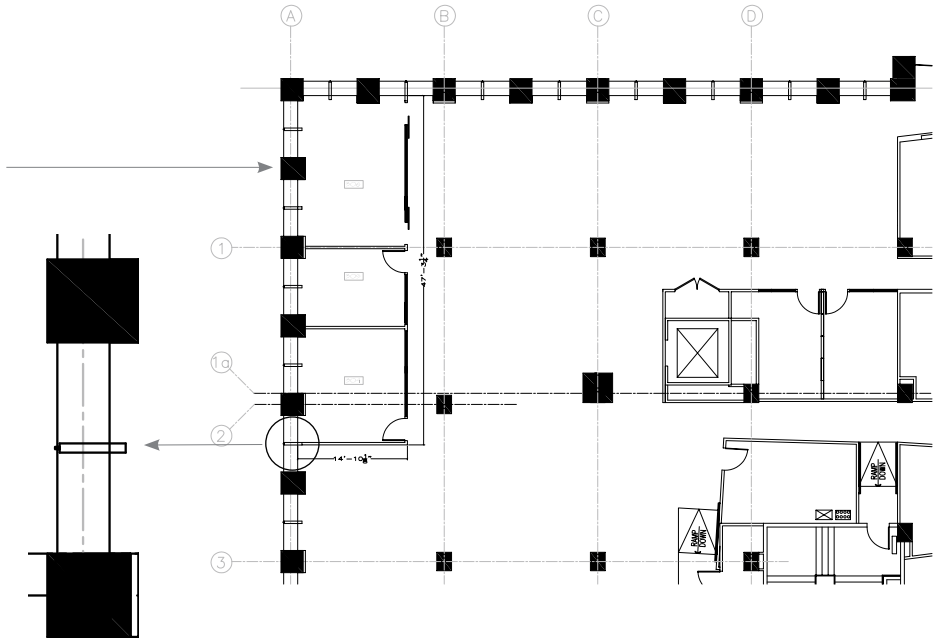
Accurate drawings of existing site conditions are necessary to ensure a successful AI Healthcare. The following information is required prior to specifying AI Healthcare walls:

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

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



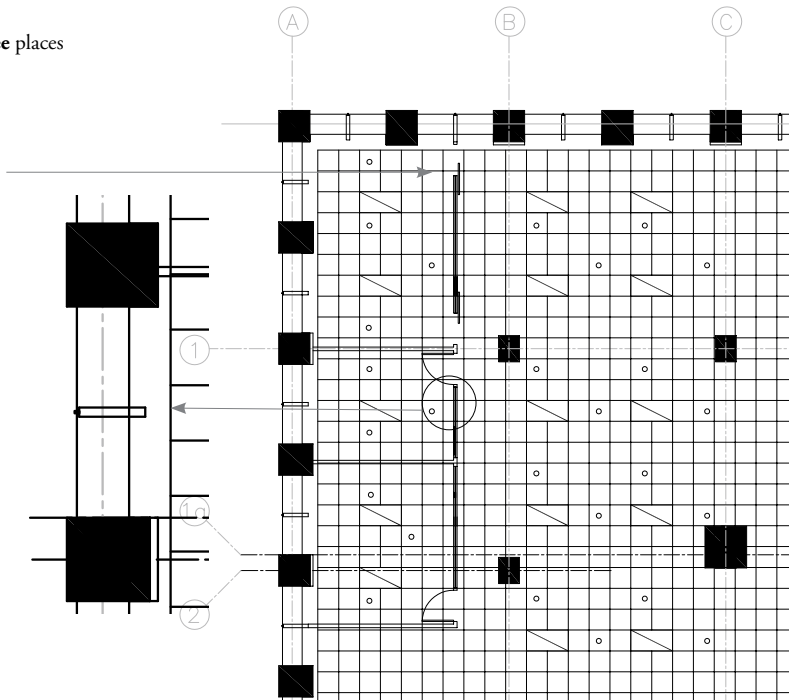
reflected ceiling plan

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 AI Healthcare

Identify sill and mullion conditions

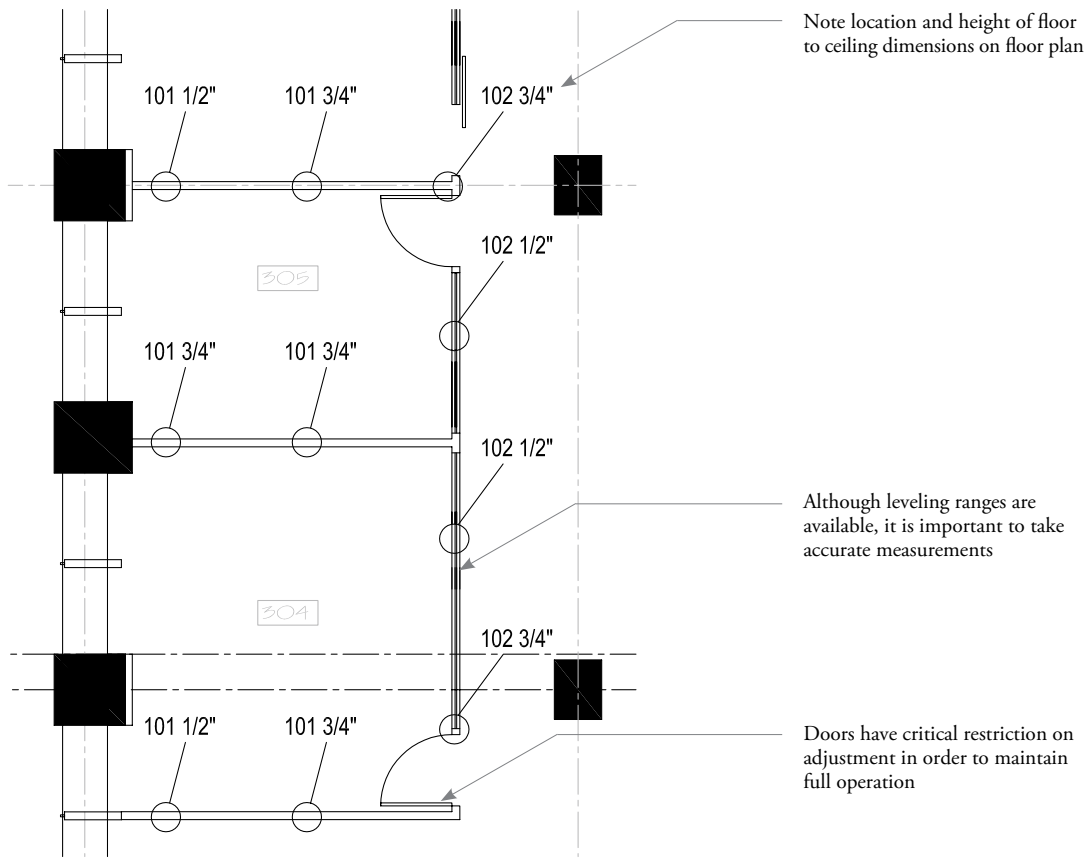


initial considerations (continued)

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 AI Healthcare wall location
- It is better to expand the vertical post levelers rather than compress them



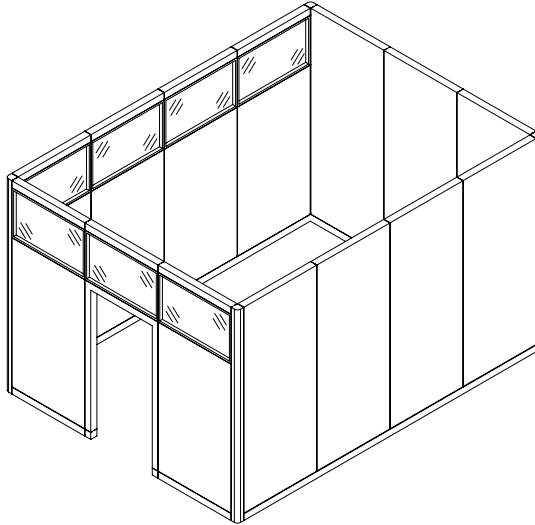
In the example above, either 101" or 102" wall height could be used however, the better choice would be 101". This avoids near full compression of the levelers that would be necessary with the 102" wall height.

how to specify AI Healthcare

Step 1 – Fascia & Door Packages

Specifying Fascia types and sizes determines the footprint of the AI Healthcare office.

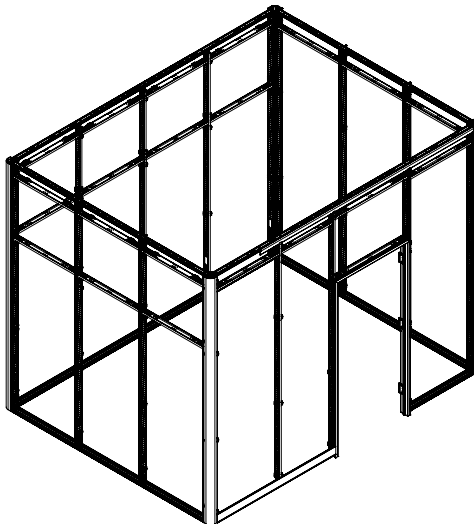
- Fascias include surfaces only and conceal the structural supports which must be specified
- Specify Fascia packages to meet required wall lengths and locations
- Locate door packages, including transom and ceiling fascias as required



Step 2 – Frame Kits

Frames are specified to correspond to Fascia specifications.

- Calculate quantities and specify Ceiling Channel, Ceiling Clips, if applicable Gaskets
- Specify the Vertical Posts and Horizontal Rails as determined by Fascia elevations
- Specify Corner Connections and appropriate method for attaching AI Healthcare walls to the building (Wall Start, Wall End, Filler Panel, etc.)

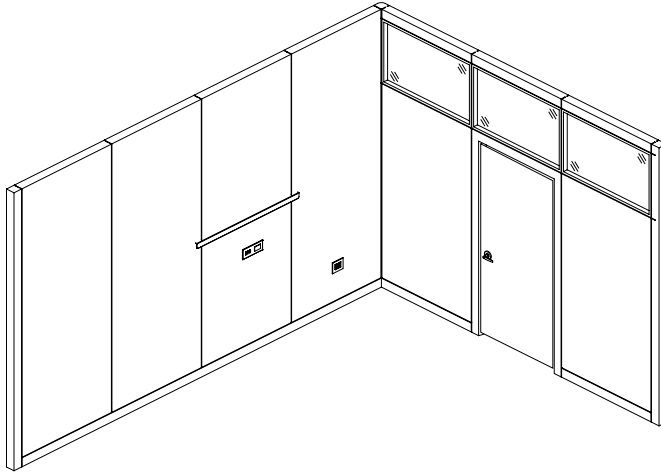


how to specify AI Healthcare (continued)

Step 3 – Power, Communication & Accessories

The electronics and communication locations should be determined in conjunction with the Fascias so that the appropriate Fascias are ordered.

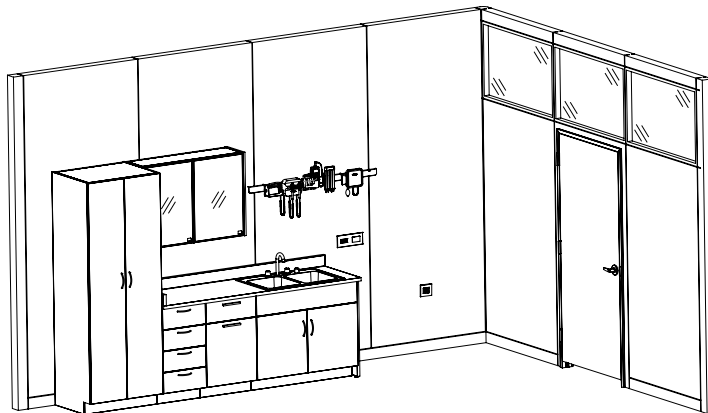
- Locate electrical and communication outlets
- Select method of providing power and communications (by contractor or AI Healthcare product)
- Specify appropriate product
- Ensure electrical plans align with the locations of that has power and communication needs



Step 4 – Worksurface, Storage & Seam Sealing

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

- Plan storage spaces and work surfaces that suit the needs of the space
- Plan any electrical needs around the planned electrical and communication locations
- Ensure any furniture being planned is providing proper clearance around walkways and doorways



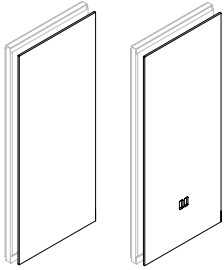
application guide

application guide

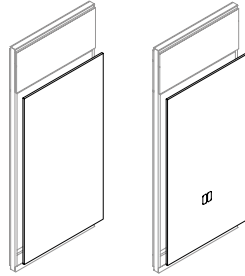
PRODUCT MAPS	18
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FRAME KITS & COMPONENTS	38
DOORS	60
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LIGHTING, ELECTRICS & COMMUNICATIONS	88

fascias

F H P M Solid Fascia – Monolithic



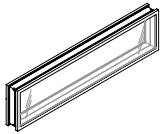
F H P S M 1 Solid Fascia – Segmented Monolithic (Level I)



F H P S M 2 Solid Fascia – Segmented Monolithic (Level II)



F H P G 2 Glass Fascia – Double, Square Corner



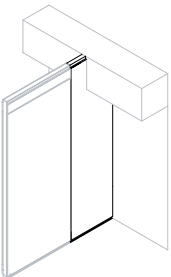
F H P C Ceiling Fascia



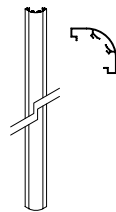
F H P K Aluminum Fascia Kit



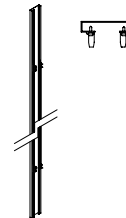
F H P F Filler Panel



F H P 2 C Two-Way 90° Corner Cover

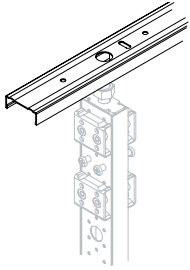


F H P 3 C Three-Way 180° Corner Cover

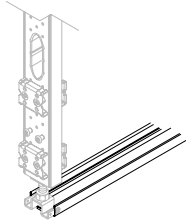


frame kits & components

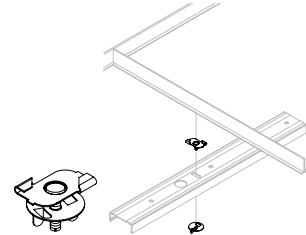
F H C C Ceiling Channel



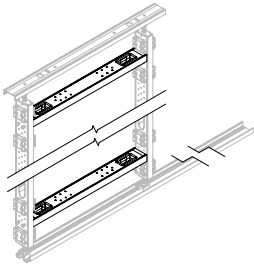
F H C B Base Channel –
Continuous



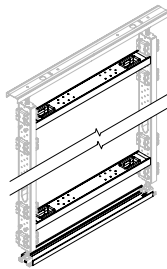
F H C L Ceiling Clips



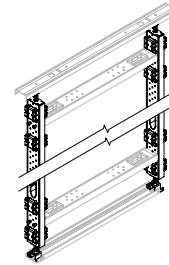
F H C R H Horizontal Rail



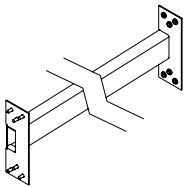
F H C P H Horizontal Rail
Packages



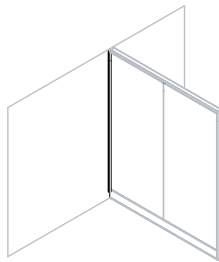
F H C P V Vertical Post Packages



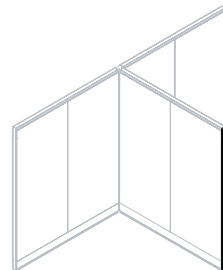
F H C R C Cabinet Support Bracket



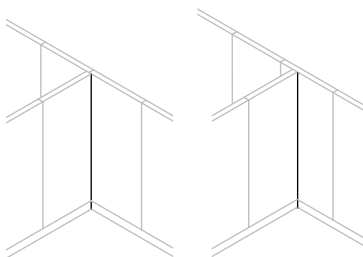
F H C S A Adjustable Wall Start



F H C E W Wall Finished End



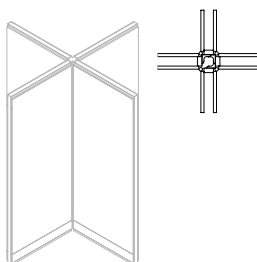
F H C 3 Three-Way 180° Module
Connection



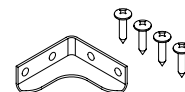
On-Module

Off-Module

F H C 4 Four-Way Connection

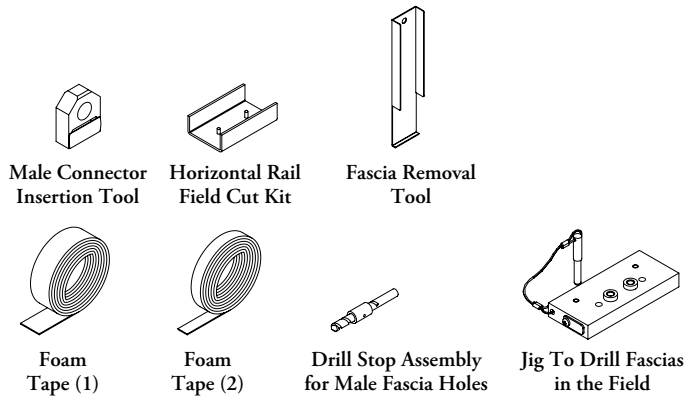


F H C H Corner Connection
Hardware

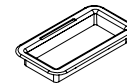


frame kits & components

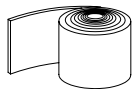
F H C I T Installation Tools



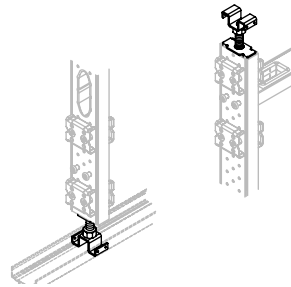
F H C R G Horizontal Rail Grommet



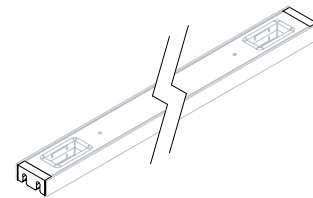
F H C O Recycled Cotton Insulation



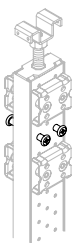
F H C V Base Leveler



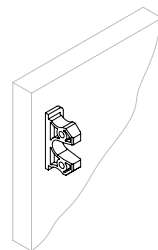
F H C E C Horizontal End Cap



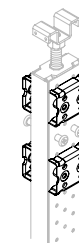
F H C T Horizontal Connector Bolt



F H C Y Fascia Connector – Male





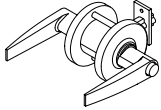
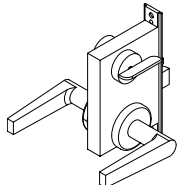



F H C X Fascia Connector – Female



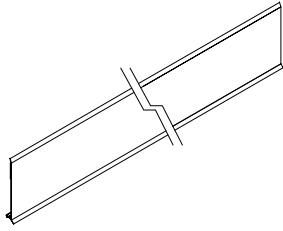
F H C K L Fascia Lock



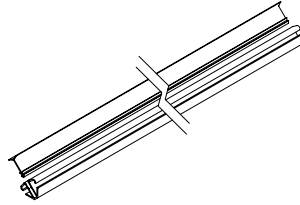
<p>Leaves</p>	<p>F H S S Z L Solid Hinged Door LP Leaf Single</p> 	<p>F H S G P L Glass Pivot Door LP Leaf Single</p> 	
<p>Jamb Kits</p>	<p>F H S S Z J Solid Hinged Door LP Jamb Kit Single</p> 	<p>F H S G P J Glass Pivot Door LP Jamb Kit Single</p> 	
<p>Handles</p>	<p>F H H S X Door Handle Schlage ALX Series</p> 	<p>F H H S L Door Handle Schlage L Series</p> 	<p>F H K K Control Key</p> 

gaskets

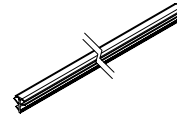
F H G B Base Gasket



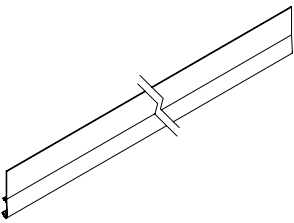
F H G N Inside Corner Gasket



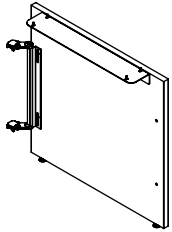
F H G R Reveal Line Gasket



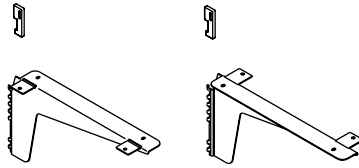
F H G C Ceiling Gasket



FHLG Fixed Height Gable



FHLV On-Module Cantilever



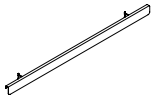
Right

Left

equipment rail & accessories

F H R E Equipment Rail

F H R A Universal Mounting
Adapter



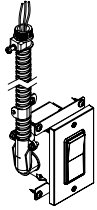
3" Wide
Adapter



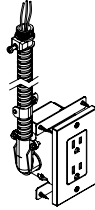
5" Wide
Adapter

lighting, electrics & communications

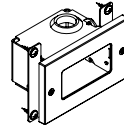
E L S F H Light Switch



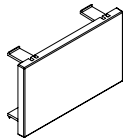
E R M F H Receptacle Module



E C M F H Communication Module

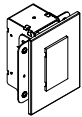


E F C C F H Fascia Cover Cap

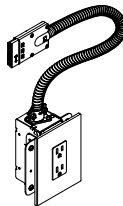


Hardwire

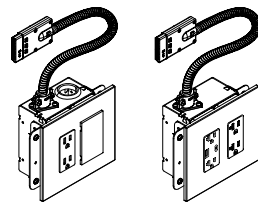
E P D M C F H Power Data Vertical Module – Communication



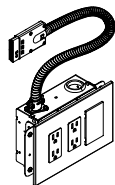
E P D M S F H Power Data Vertical Module – Single



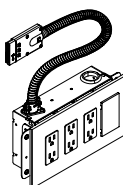
E P D M D F H Power Data Vertical Module – Double



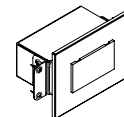
E P D M T F H Power Data Vertical Module – Triple



E P D M Q F M Power Data Vertical Module – Quad



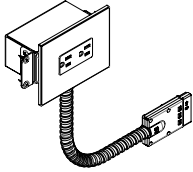
E P D H C F H Power Data Horizontal Module – Communication



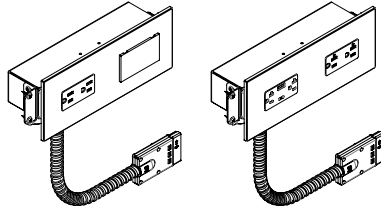
Power Data

lighting, electrics & communications

**EPDHSFH Power Data
Horizontal Module –
Single**



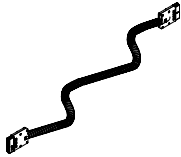
**EPD HDFH Power Data
Horizontal Module –
Double**



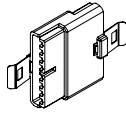
**EPDSCFH Power Data
Starter Cable**



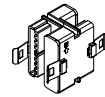
**EPDCHF H Power Data
Connecting Harness**



**EPD ICFH Power Data
Inline Connector**



**EPDDBFH Power Data
Four-Way Splitter**



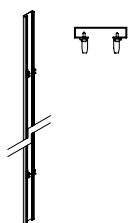
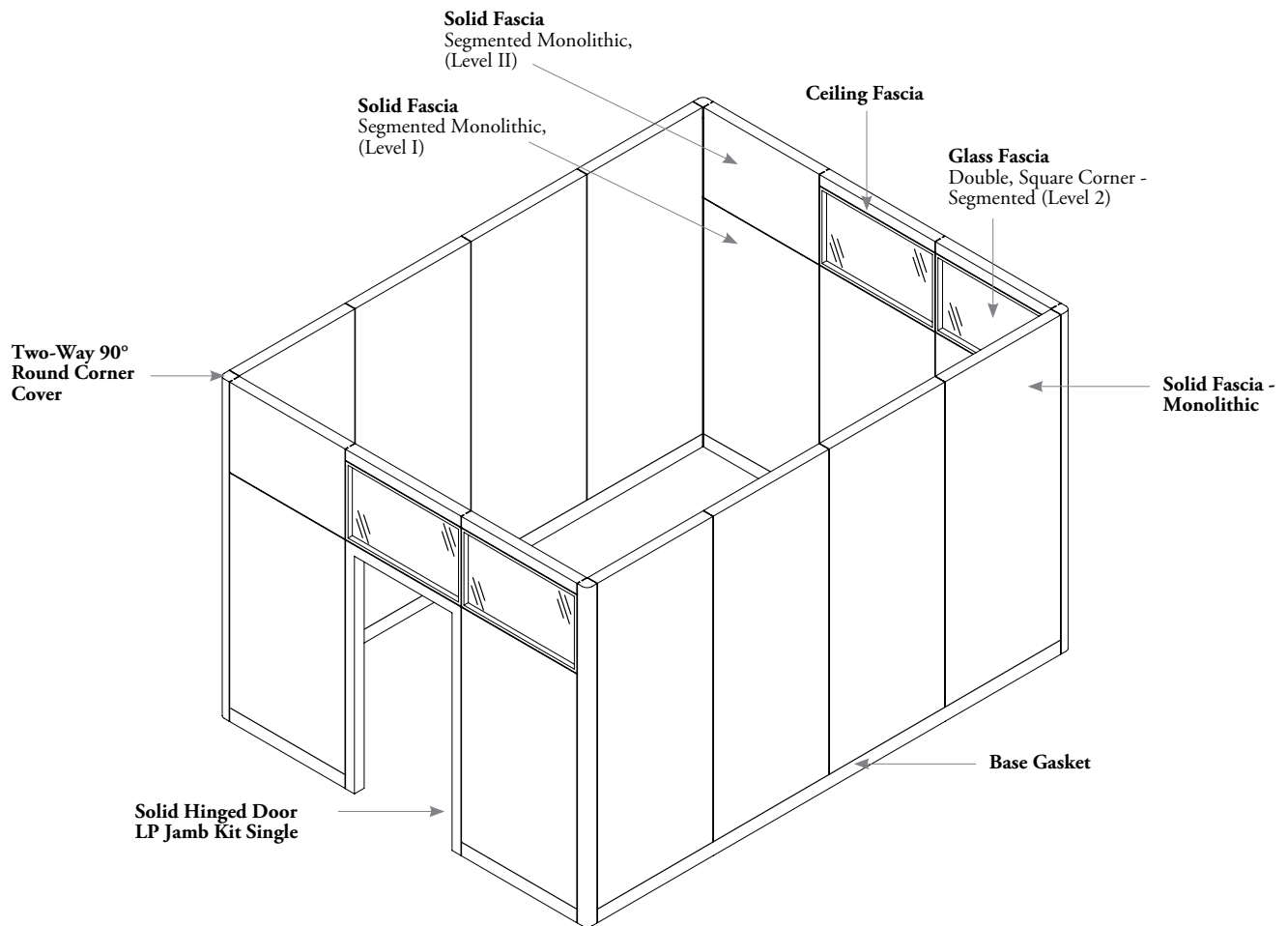
Power Data

fascias

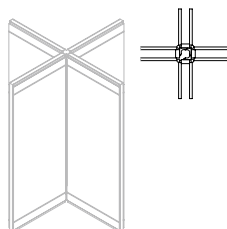
fascia elevation overview

Fascias are used to create the faces of AI Healthcare walls and are configured into two wall types depending on Fascia selection.

- Fascias are available in solids only 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 on all lower fascias, except 4" ceiling fascias
- A light switch (ELSFH) can be installed on solid fascias. For more information on the light switch, refer to the *Lighting, Electrics, & Communications* section
- 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

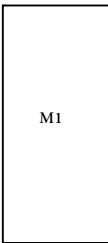
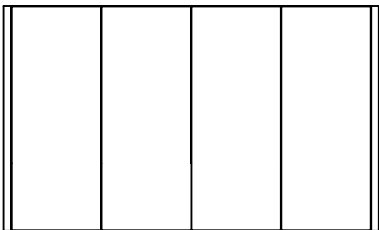

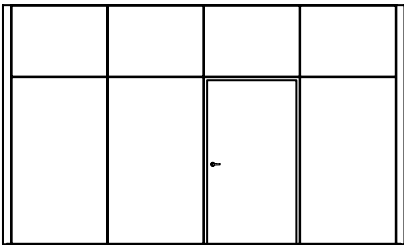

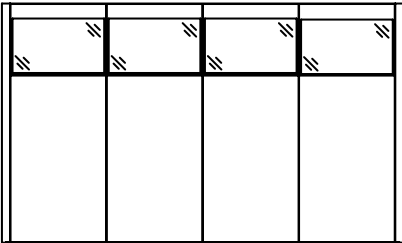


Three-Way 180° Corner Cover
Provides the full-height trim for three walls connected at 180°.



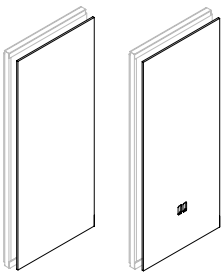
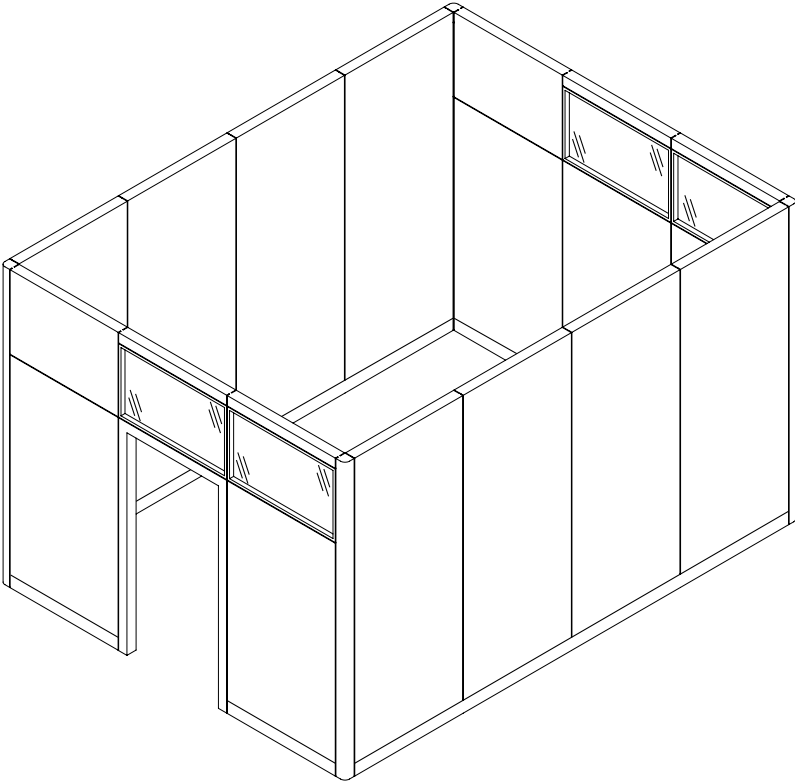
Four-Way Connection
Joining four different walls at a center point.

fascia elevation overview (continued)

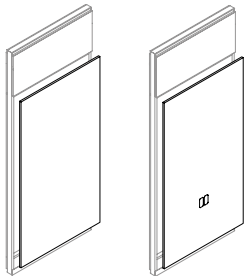
Possible Configurations		
<p>Monolithic Elevation</p>	 <p>M1</p> <p>Monolithic Fascias (M1):</p> <ul style="list-style-type: none"> • Provides a single Fascia from floor-to-ceiling • No Base or Ceiling Fascia 	
<p>Segmented Elevations</p>	 <p>SM2</p> <p>SM1</p> <p>Segmented Monolithic Fascias (SM1, SM2):</p> <ul style="list-style-type: none"> • Adding a reveal to create a continuous horizontal reveal line with the doors 	
<p>Segmented with Glass Elevations</p>	 <p>S2</p> <p>SM1</p> <p>Segmented with Glass Fascias (SM1, S2):</p> <ul style="list-style-type: none"> • When glass is ordered in AI Healthcare, a 4" Ceiling fascia is required 	

fascia basics

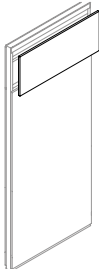
Fascias are attractive covers that define your space in your healthcare environment. Various options are available to suit the various needs of the medical environment.



Solid Fascia - Monolithic (FHPM)



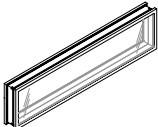
Solid Fascia - Segmented Monolithic (Level I) (FHPSM1)



Solid Fascia - Segmented Monolithic (Level II) (FHPSM2)



Ceiling Fascia (FHPC)



Glass Fascia - Double, Square Corner (FHPG2)

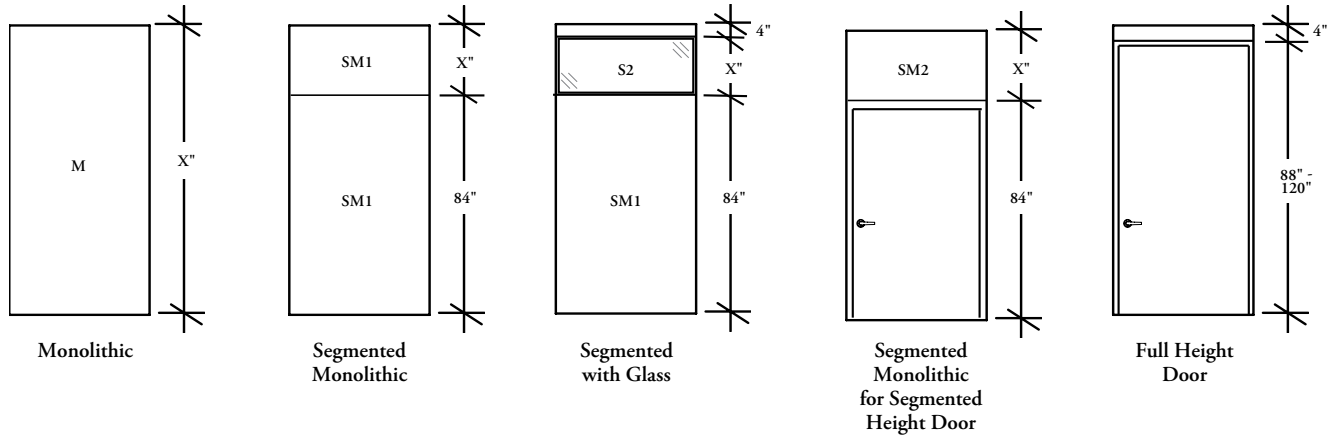


Aluminum Fascia Kit (FHPK)

specifying fascia heights & widths

fascia heights

- With ceiling height (CH), calculate height dimension X" for a fascia configuration (M1, S2, SM1, SM2)
- See if the product code's Fascia Height Range satisfies the calculated height dimension X"



Product Code	Fascia Description	M1	SM1	SM2	S2
		Fascia Height Calculation			
		$X'' = CH$	$X'' = CH - 88''$	84"	$X'' = CH - 84''$
		Fascia Height Range			
FPH_	Solid Monolithic and Segmented	88" - 120"	84"	6" - 36"	n/a
FHPG2	Double Glass, Square Corner	n/a	n/a	n/a	6" - 32"

fascia widths

Product Code	Fascia Description	Fascia Width Range
FHPM_	Solid Monolithic	12" - 48" (offered in 1/8" increments)
FHPG2	Double Glass, Square Corner	12" - 48" (offered in 1/8" increments)
FHPS_	Solid Segmented, Monolithic	12" - 48" (offered in 1/8" increments)

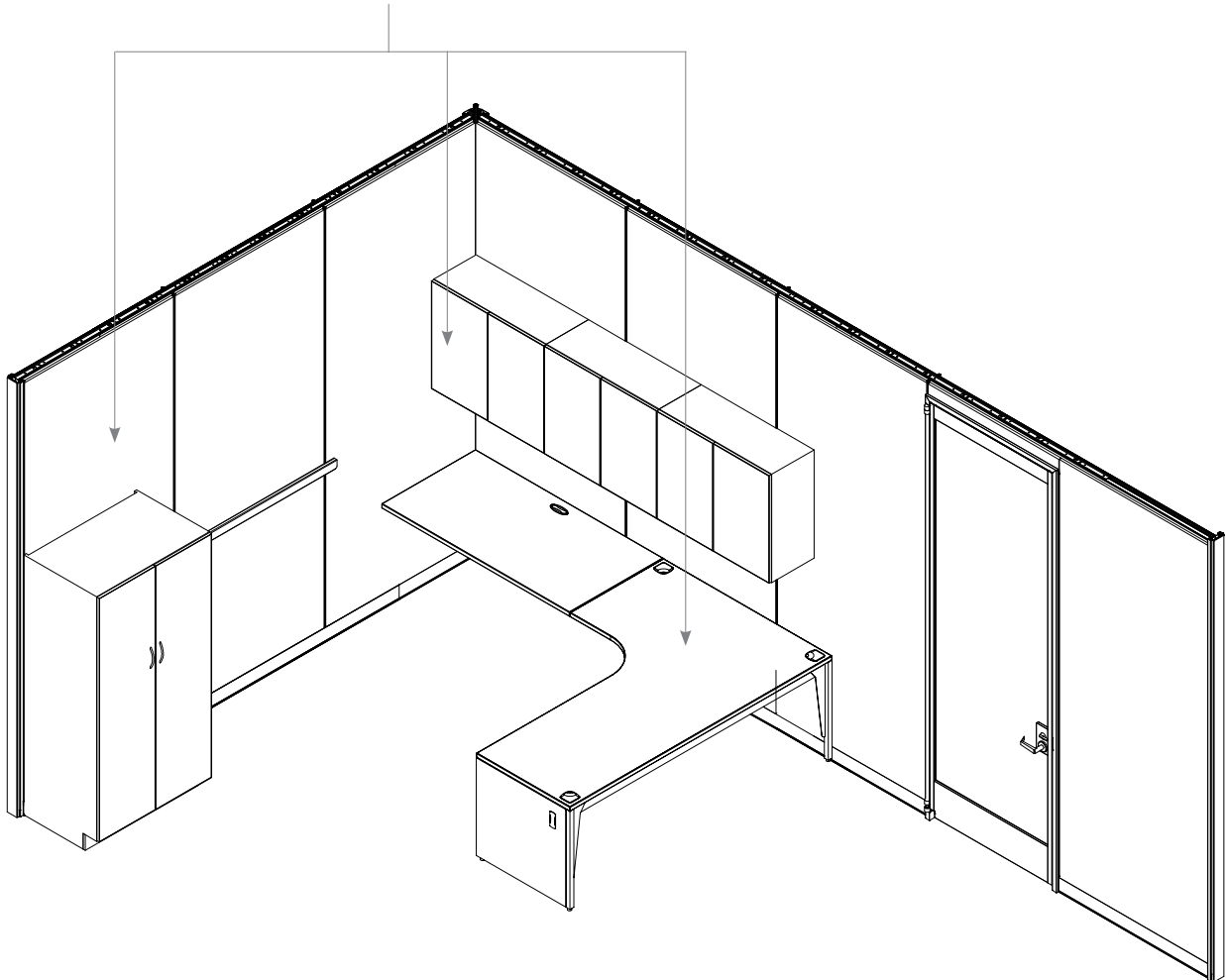
planning with fascia widths

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 (example: 12", 18", 24", 30", 36", 40", 42", 48").

Core Wall Widths

- Permits suspending of worksurfaces, mounted storage and accessories
- Core Fascia Widths accommodate reconfiguration better than 1/8" incremental widths

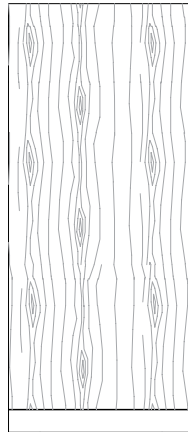


planning with fascia widths (continued)

The following finishes are available on AI Healthcare.

solid fascias

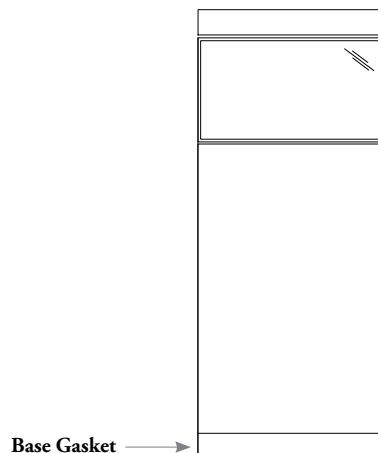
- Cleanable and water resistant
- Available 12" - 48" wide nominal in 1/8" increments
- Available in Fascia Laminate (LPL) and Foundation Laminates (HPL)
- Accepts electrical boxes and switches
- Grain direction is vertical



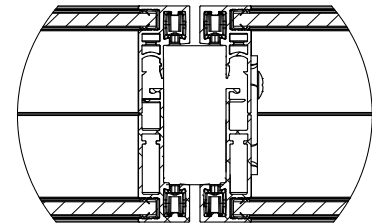
Grain direction for fascias

glass fascias

- Provide access to natural light
- 6mm double glass, square profile
- Available 6" - 32" height in 1" increments
- Glass finishes: Clear Tempered, Ceramic Frit, Clear Laminated
- Available 12" - 48" wide nominal in 1/8" increments
- Frame finishes include:
 - Clear Anodized
 - Painted
 - Very White
 - Graphite
 - Anthracite
 - Sepia Bronze
 - Burnished Bronze
 - Titanium Grey
 - Gilded Ash
 - Ebony



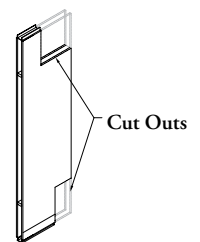
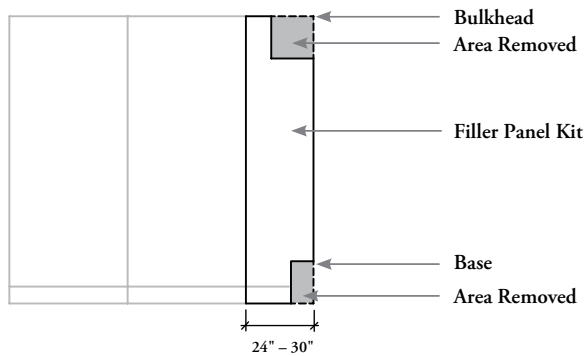
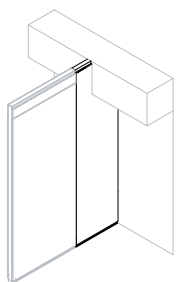
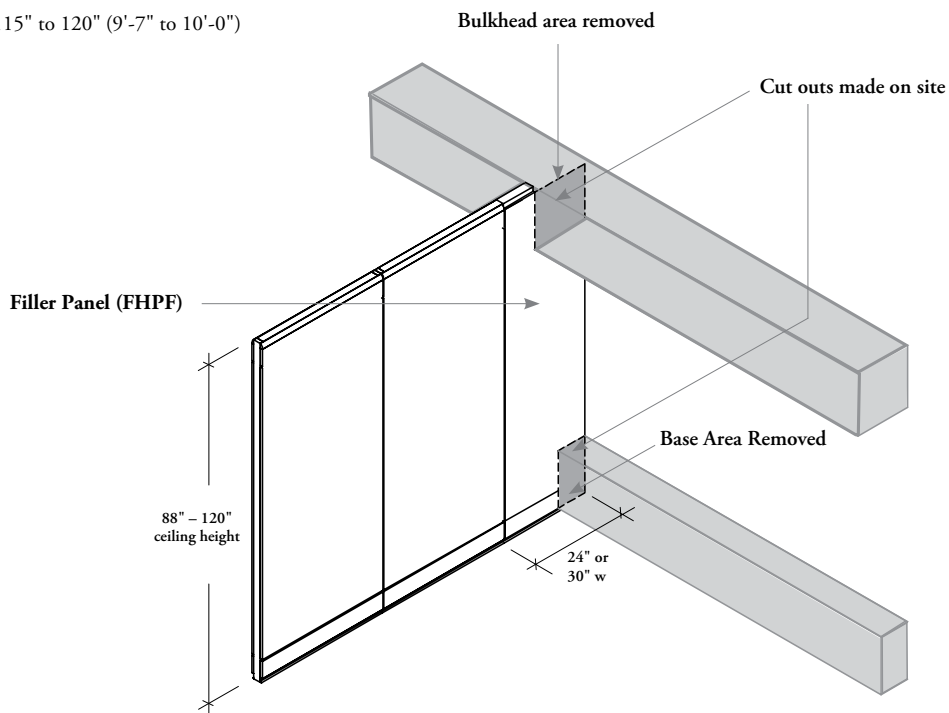
Segmented Elevation shown



Section of Square Profile Glass Fascia

The Filler Panel is used when an AI Healthcare 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")	88" to 102" (7'-3" 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")



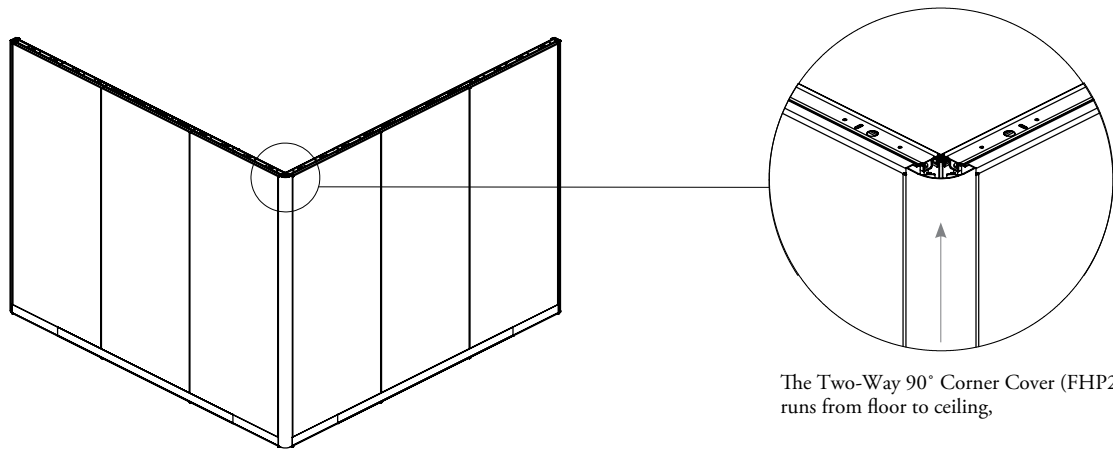
Filler Panel (FHPP)

- One floor to ceiling Fascia, no Ceiling or Base Fascia 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

corner cover basics

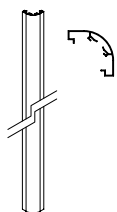
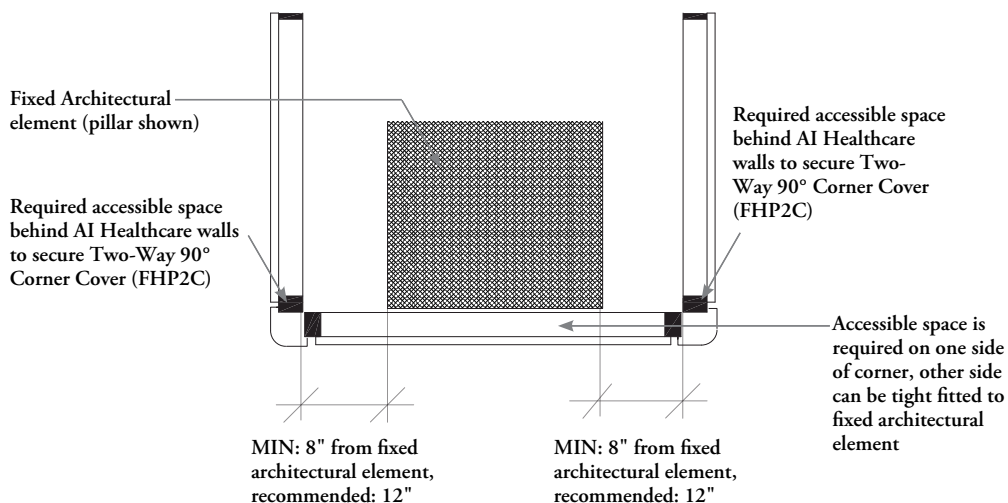
Corner Covers are used to cover the exterior of a defined space for a finished appearance.

Ensure access is available from the inside of AI Healthcare walls for installation of corner cover.



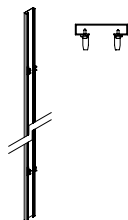
The Two-Way 90° Corner Cover (FHP2C) runs from floor to ceiling,

Installing Two-Way 90° Corner Cover (FHP2C) around fixed architectural elements such as pillars.



Two-Way 90° Corner Cover (FHP2C)

- Attaches to the exterior of the vertical posts to provide a finished corner
- Access is required to the back of the corner to secure the cover onto the walls
- Length: 88" - 120" (in 1" increments)
- Finishes: Clear Anodized or Painted



Three-Way 180° Corner Cover (FHP3C)

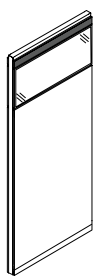
- Attaches to the visible face of a three-way connection to provide a finished face
- Fascia cover snaps in place to the vertical posts
- Length: 88" - 120" (in 1" increments)
- Finishes: Standard Fascia, Clear Anodized and Painted

fascia finishes - portrait

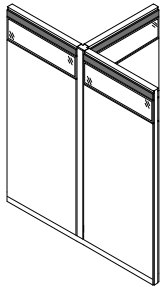
The following finishes are available on AI Healthcare.

aluminum finish fascias

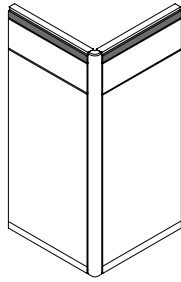
- Available on the 4" ceiling fascia
- Available on most corners and three-way transitions



Ceiling Fascia

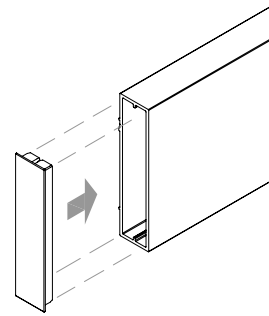


Three-Way 180°



Two-Way 90°

planning with the 4" fascia



On the Clear Anodized or Painted options - the plastic cap coordinates with the color of the fascia

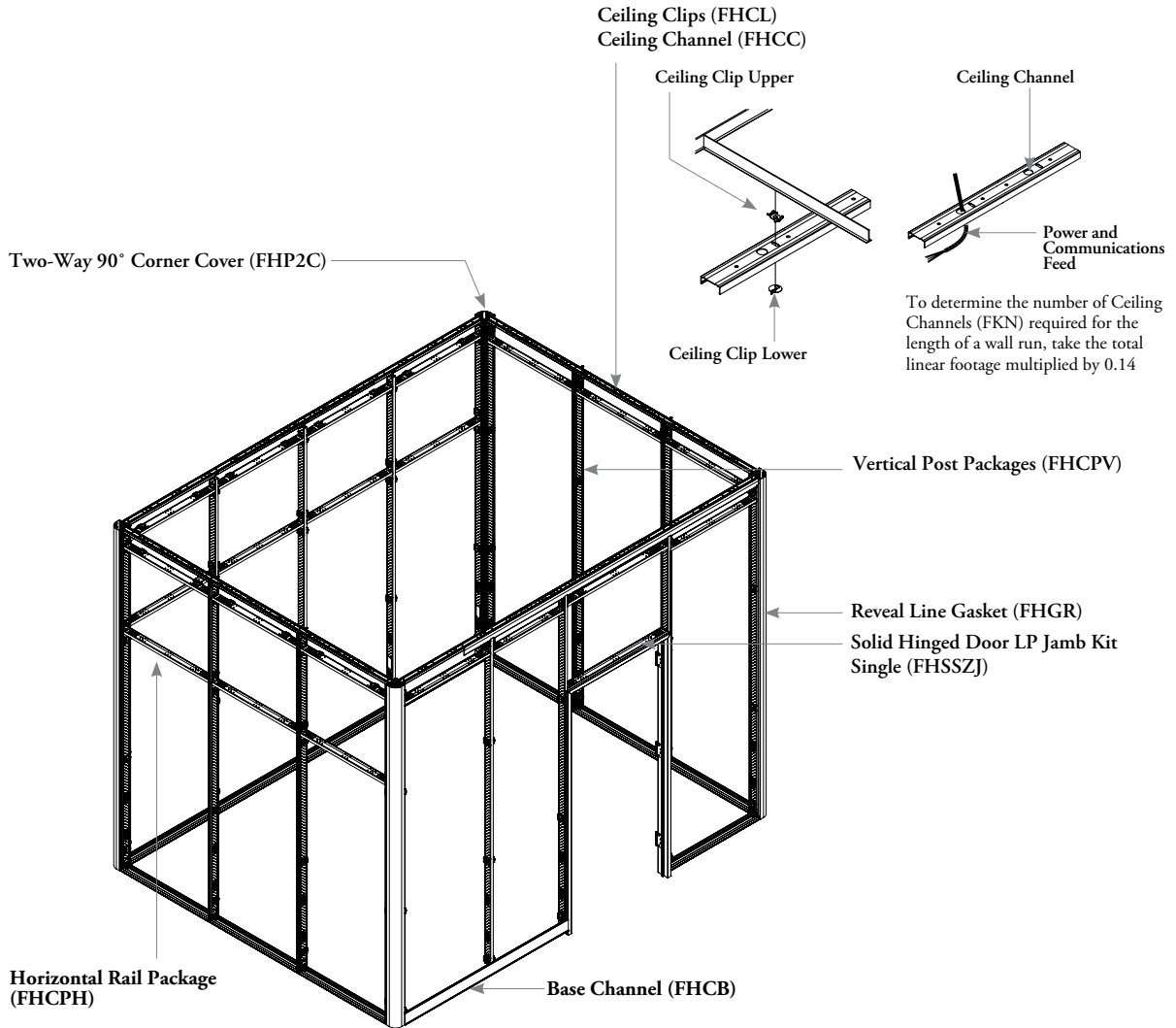
The following options show the various finishing options for each fascia.

	Monolithic	Segmented Solid		Segmented Glass		Ceiling Fascia
	M1	S1	S2	S1	S2	SM1 SM2
	M1	S1	S2	S1	S2	
Solid	✓	✓	✓	✓		✓
Glass					✓	
Aluminum						✓

frame kits &
components

frame kits & components overview

Frame kits are used together to create the structural frame of the AI Healthcare wall. Frame kits are specified after the Fascia configurations has been determined.



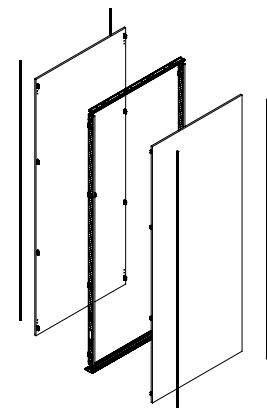
Two-Way 90° Corner Cover (FHP2C) and Corner Connection Hardware (FHCH) for AI Healthcare corner connections

Also Available

- Three-Way 180° Corner Cover (FHP3C), Four-Way Connections (FHC4), Corner Connection Hardware (FHCH) can be found in the *Fascia* section

Recycled Cotton Insulation (FHCO) (not shown)

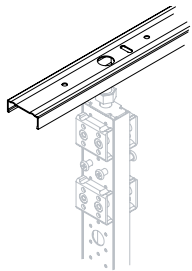
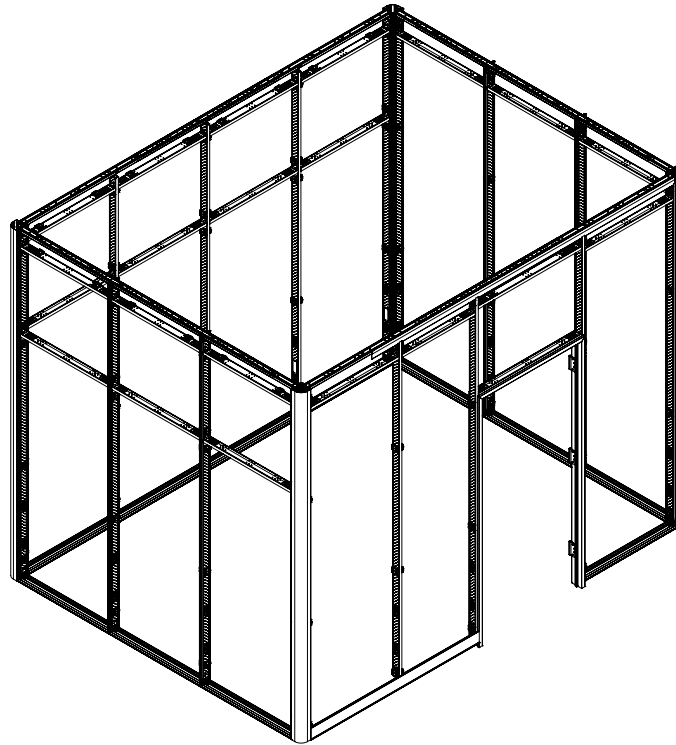
- Used within the AI Healthcare wall cavity to improve STC
- Available as a 50' x 4' roll cut to size on site



Frame Kit packages are for vertical posts and horizontal rails are specified to coordinate with fascia elevation chosen (monolithic shown).

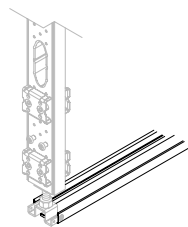
ceiling & base channel basics

A Ceiling Channel is required over entire wall run, including openings and corner connections in all applications of AI Healthcare wall system.



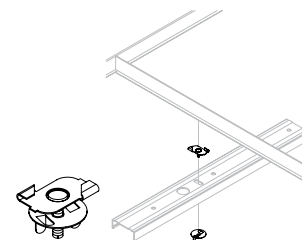
Ceiling Channel (FHCC)

- 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
- Available in 10'-0" lengths only
- Can be attached to ceiling at any angle



Base Channel - Continuous (FHCB)

- Is the 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

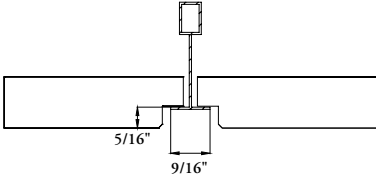
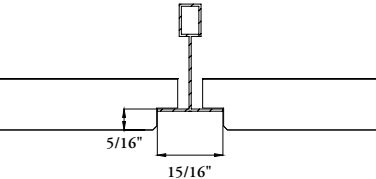
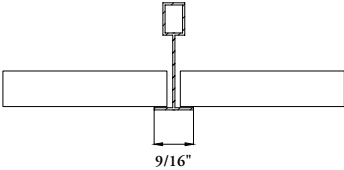
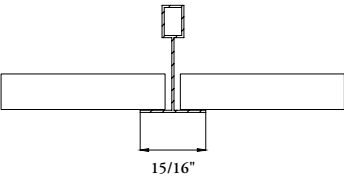


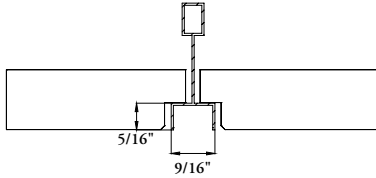
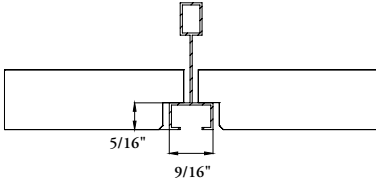
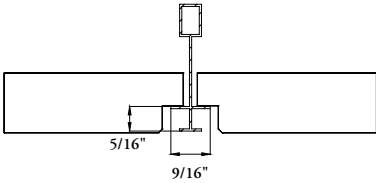
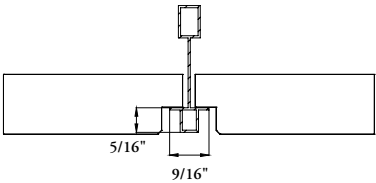
Ceiling Clips (FHCL)

- 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

planning with ceiling clips

The following should be considered when planning with Ceiling Clips.

Ceiling Profile	Ceiling Clip
	FHCL1 + FHCL3
	FHCL2 + FHCL3
	FHCL1
	FHCL2

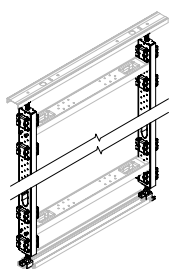
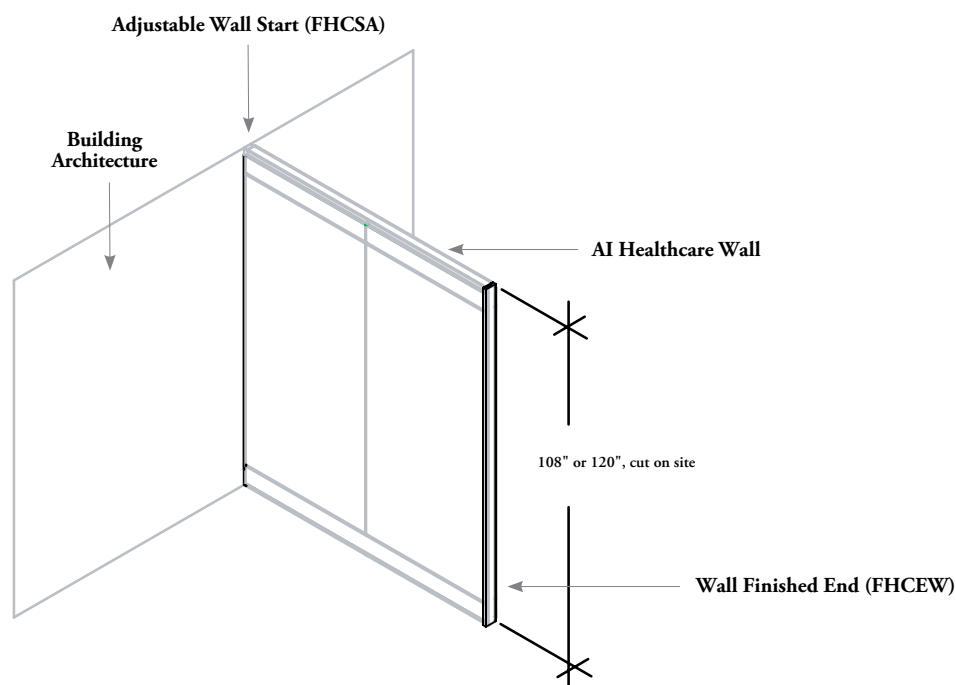
Ceiling Profile	Ceiling Clip
	FHCL5
	FHCL5
	FHCL5
	FHCL5

- 9/16" and 15/16" Ceiling Clips (FHCL1 and FHCL2) are used for flat and recessed tiles with flat grid only
- For recessed tile application, Spacer Ceiling Clips (FHCL3) is required for use with FHCL1 or FHCL2
- 9/16" Ceiling Clip (FHCL5) is used for recessed tiles with various types of box grid

frame kit basics

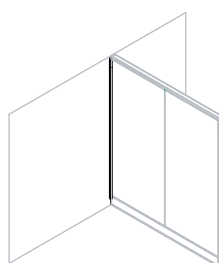
Vertical Post Packages create the frame work of AI Healthcare.

- Vertical Post Packages builds the framework for the fascias to be mounted
- Adjustable Wall Start allows AI Healthcare to interact with existing building architecture
- Planning the joints and corners of rooms with the available module connections



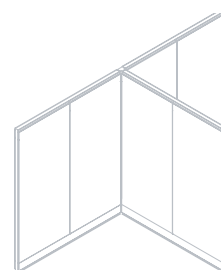
Vertical Post Packages (FHCPV)

- Are universal when used with AI Healthcare and fulfill the vertical post requirements for door openings
- 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



Adjustable Wall Start (FHCSA)

- Begins or ends a wall run at the building wall and provides a clean connection between the building and the AI Healthcare wall
- Can accommodate spacing due to untrue or unlevel wall surfaces
- Adds to the wall run width
 - Adjustable Wall Start: 1-3/4" nominal
 - +3/8" to -3/8"
- Can be cut on site
- Does **not** route electrics or communication from the building architecture wall



Wall Finished End (FHCEW)

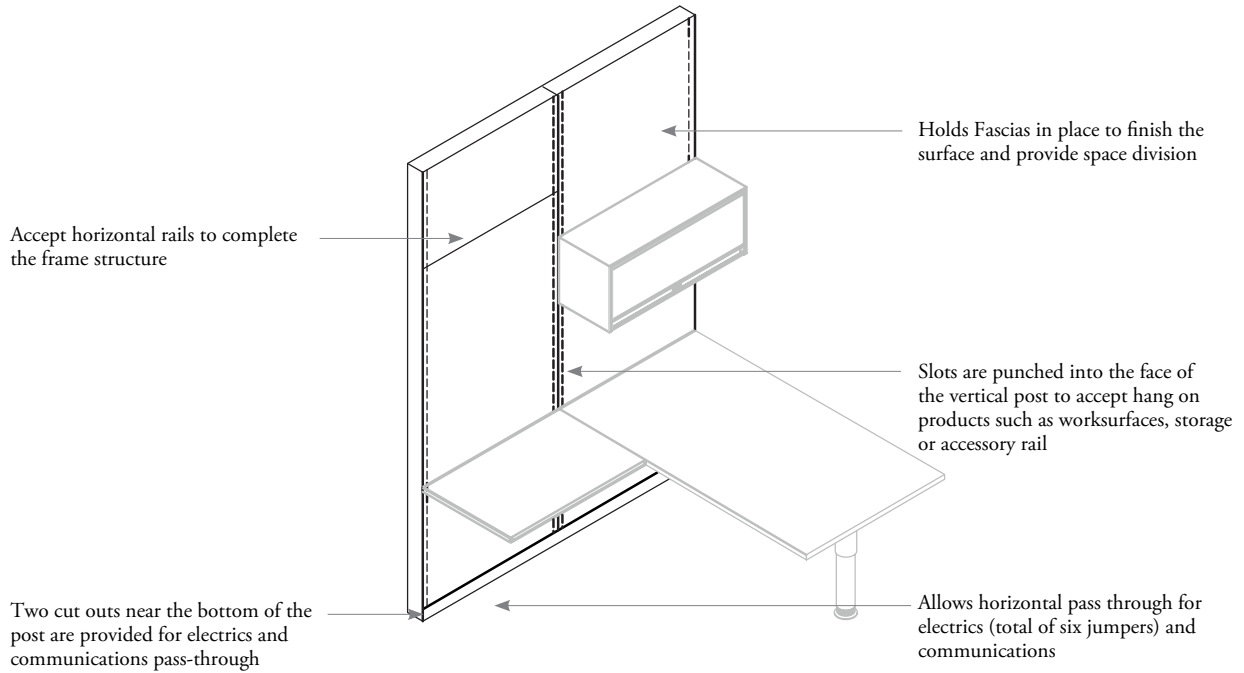
- Is used to cap the end of a wall run where there is no connection to another wall run
- Can be cut to size
- Extends from floor to ceiling

application guide

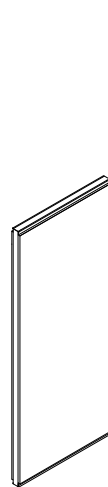
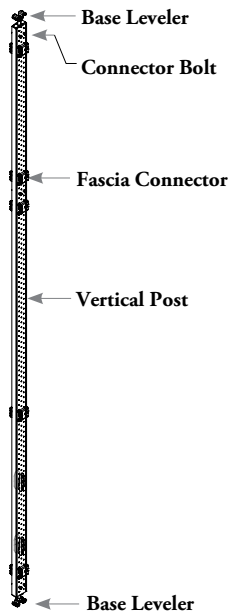
vertical post basics

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

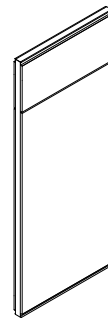
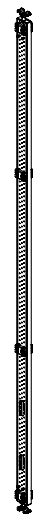
- Vertical Post Packages are universal and also fulfill the vertical post requirements for door openings
- Levelers allow for adjustment of +1-1/2 / -0.5" independently at the top and +1-1/2 / -0.5" independently at the bottom



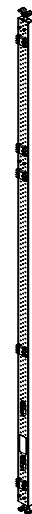
Vertical Post Package (FHCPV)



Available with **Monolithic (M)** elevation

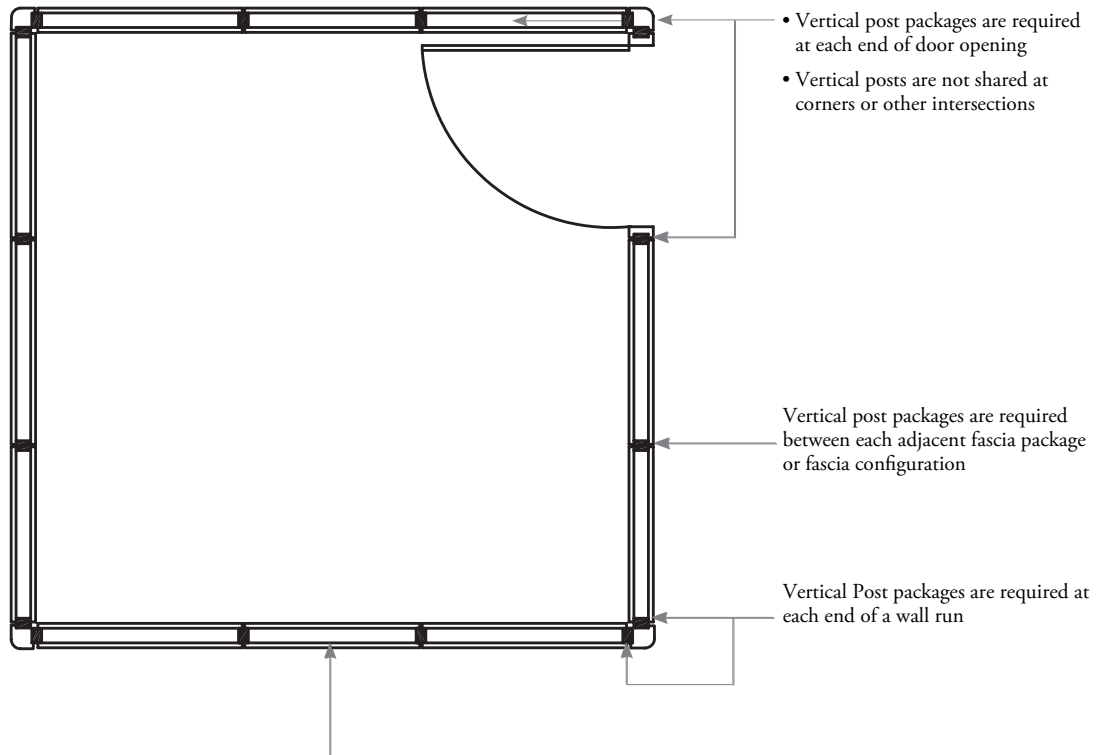


Available with **Segmented or Segmented Monolithic (S)** elevation (regardless if a ceiling fascia is used or not)

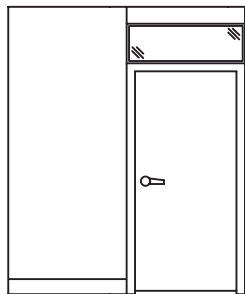


planning with vertical posts

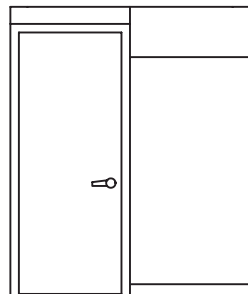
There are three steps in specifying Vertical Post Packages; determining the number and placement of Vertical Post Packages required, selecting appropriate Vertical Post Package type and specifying Vertical Post Package height.



- 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



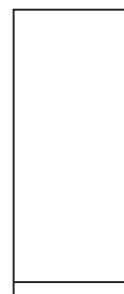
Outer elevation monolithic requires Monolithic Vertical Post Package (FHCPVM).
If inner elevation is segmented, it will require Segmented Vertical Post Package (FHCPVS).



In case of full height door, order the appropriate vertical post package for the walls on the two sides of doorway.
Full height doorway as shown above requires a Horizontal Rail (FHCRH) to ensure above door ceiling fascia can be fitted.



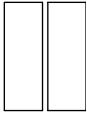
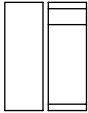



Segmented wall require Segmented Vertical Post Packages (FHCPVS).



Monolithic wall requires Monolithic Vertical Post Packages (FHCPVM).
However, if other side elevation is segmented then it will require a Segmented Vertical Post Package (FHCPVS).

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 FHCPVM 	Mono + Seg FHCPVS 	Seg + Seg FHCPVS 	F/H Door FHCPVM 	Seg Door FHCPVS 
Adjacent Wall Modules: Inner and Outer	Mono + Mono FHCPVM	FHCPVM	FHCPVS	FHCPVS	FHCPVM	FHCPVS
	Mono + Seg FHCPVS	FHCPVS	FHCPVS	FHCPVS	FHCPVS	FHCPVS
	Seg + Seg FHCPVS	FHCPVS	FHCPVS	FHCPVS	FHCPVS	FHCPVS
	F/H Door FHCPVM	FHCPVM	FHCPVS	FHCPVS	FHCPVM	FHCPVS
	Seg Door FHCPVS	FHCPVS	FHCPVS	FHCPVS	FHCPVS	FHCPVS

Vertical Post Packages are available in heights that increase in 1" increments between 88" and 120" (i.e. 8'-4", 8'-5", 8'-6"...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	88"–102"	108	103"–108"
114	109"–114"	120	115"–120"

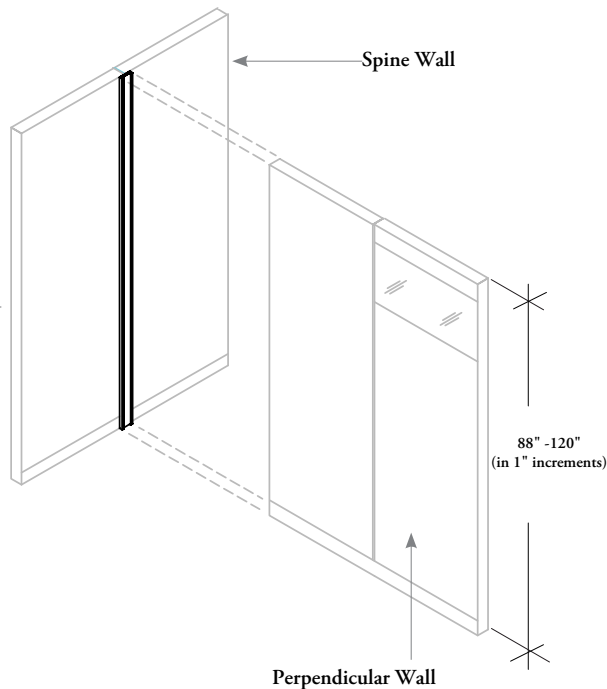
These height ranges are for pricing only. Be sure to indicate the exact height required for the Vertical Post Package in the product code.

planning with 180° module connections

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

Three-Way 180° Module Connection (FHC3_1) (On-Module)

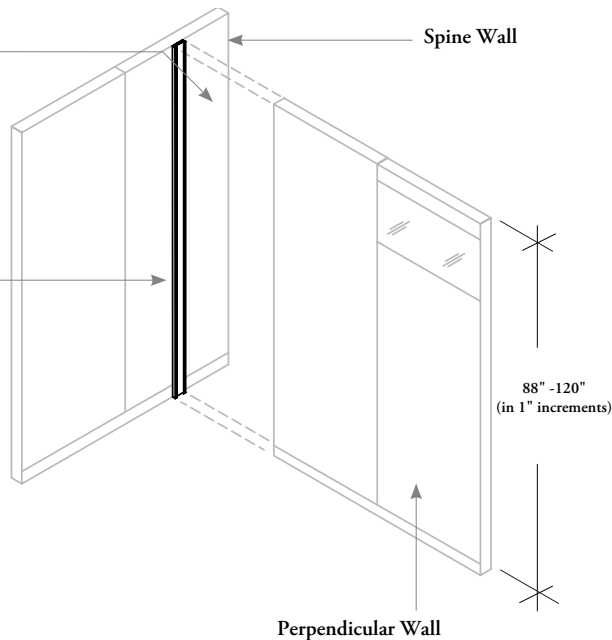
- Centers the connection at the vertical reveal between fascias
- May **not** be attached at any other location



Wall terminating Off-Module 180° Connection cannot have glass (FHPG2)

Three-Way 180° Module Connection (FHC3_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 wall starts & ends

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

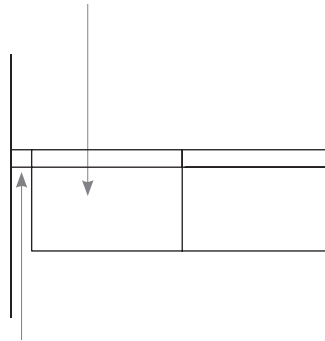
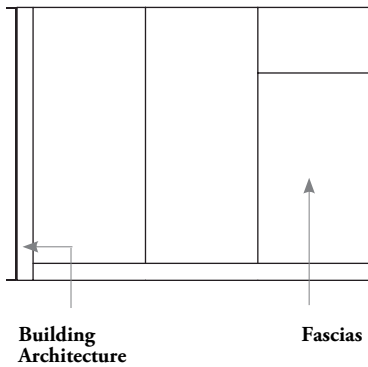
The adjustable wall start should be specified to match the elevation of the adjacent module.

The **Adjustable Wall 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

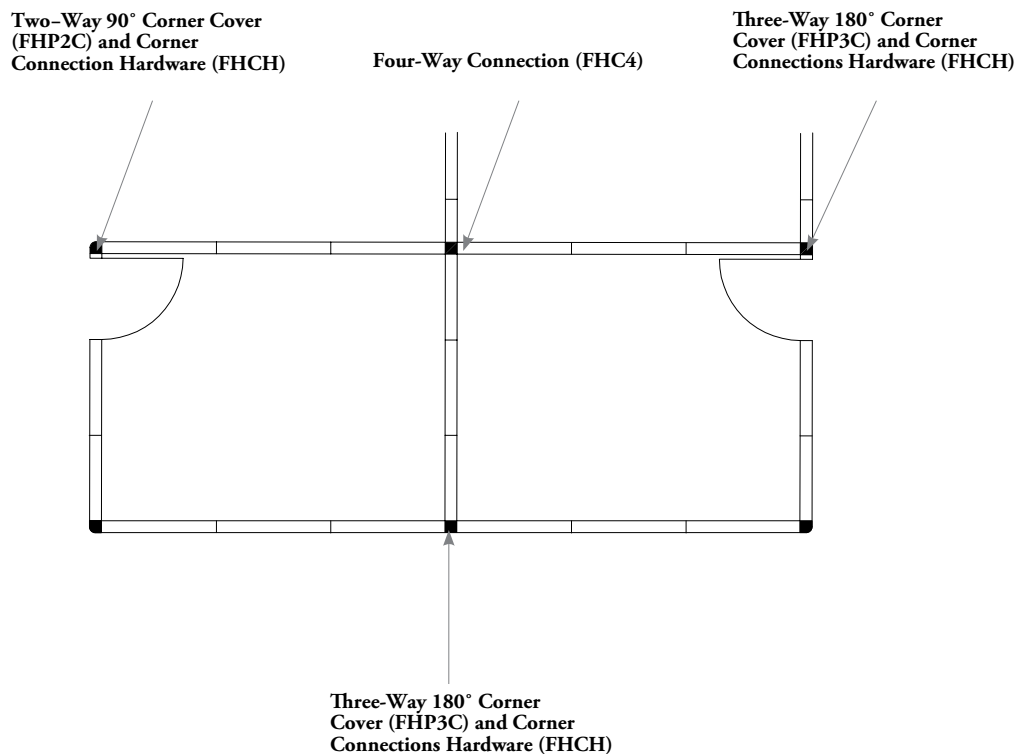
Worksurfaces from AI Healthcare, modular cabinets and accessories can be mounted on the wall module adjacent to the Adjustable Wall Start. Refer to their individual application guides to verify the specific material needs of the healthcare environment



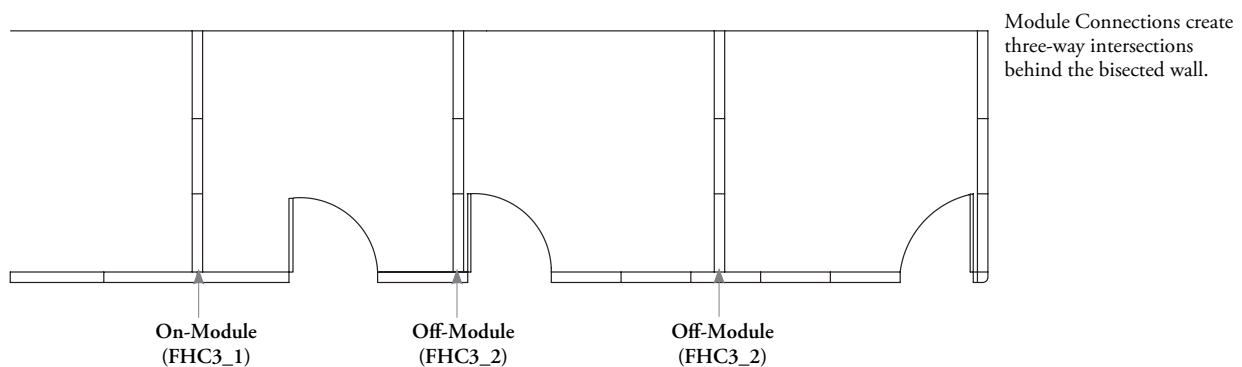
corner & module connection overview

AI Healthcare allows 90° 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
- Partial height connections are not possible
- All connections are available for ceiling heights from 88" to 120" in 1" increments

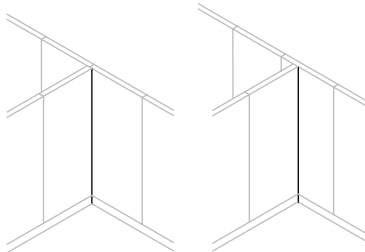
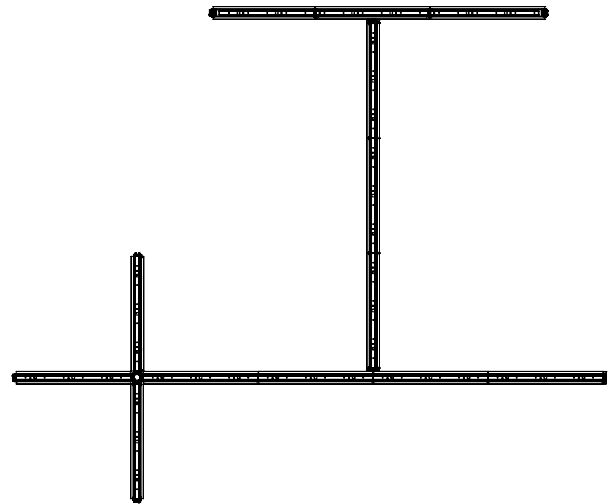
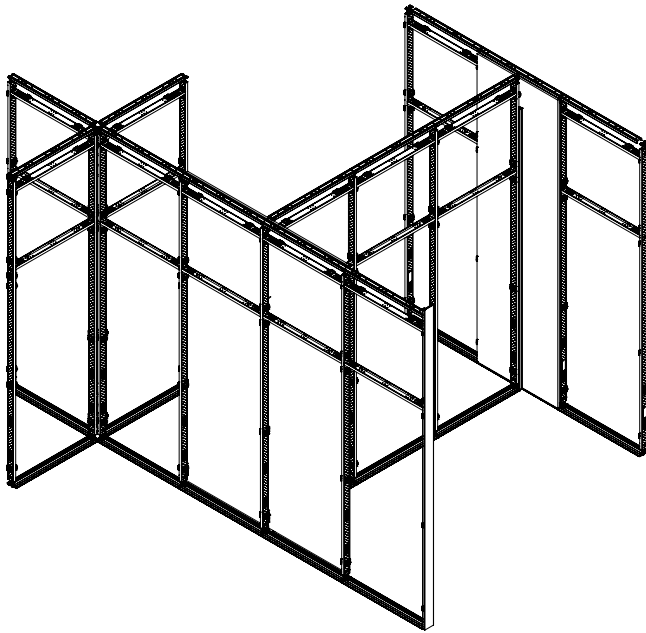


modular connections



The following three and four-way wall connection options are available for AI Healthcare.

- AI Healthcare offers the ability for walls to join on-module and off-module, providing a range of options to suit the space being installed



On-Module

Off-Module

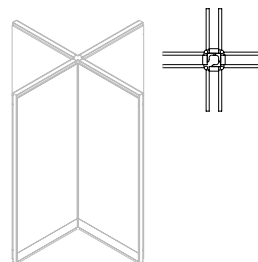
Three-Way 180° Module Connection (FHC3_1)

On-Module

- Centers the connection at the vertical reveal between Fascias
- May not be attached at any other location
- Cut to size on site

Off-Module

- Creates a connection anywhere between reveals of Fascias
- May not be attached at the vertical reveal
- Module Connection adds 1-1/4" Creep - this added dimension comes from the connection interface
- Cut to size on site



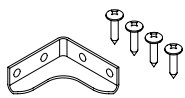
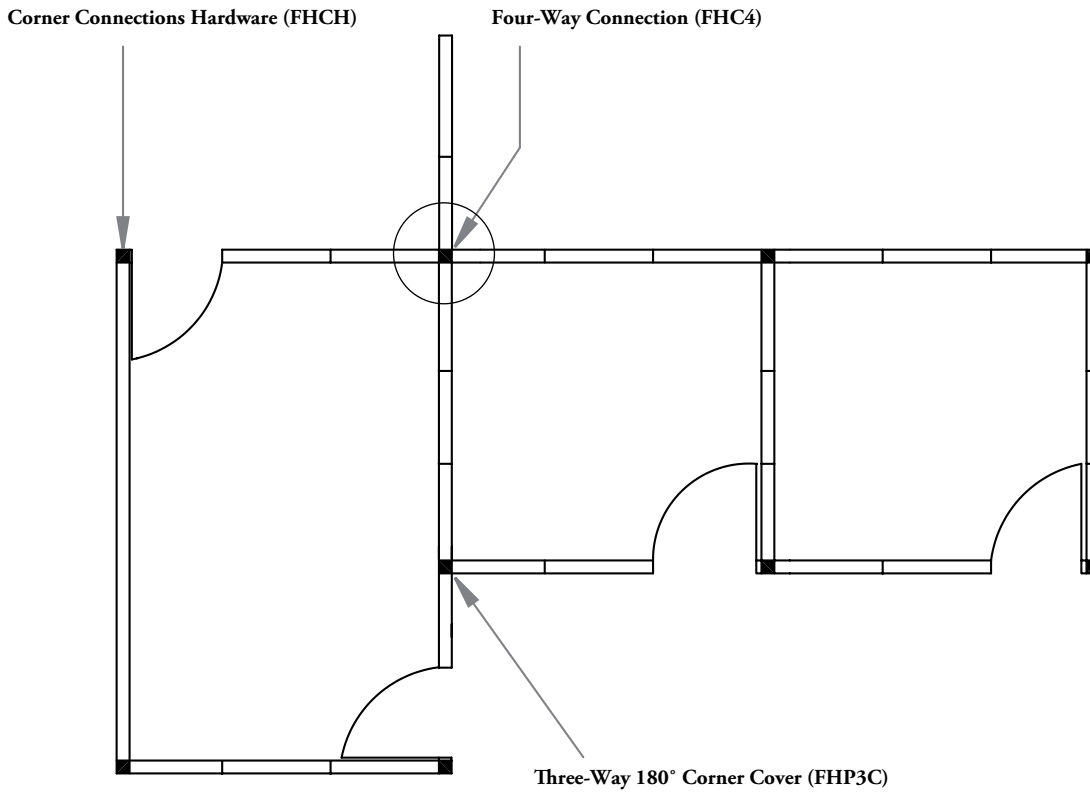
Four-Way Connection (FHC4)

- Used to join four walls into a singular center point

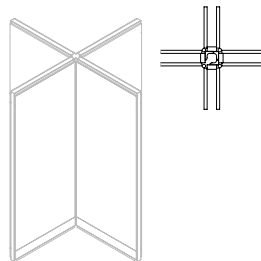
90° corner connection basics

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
- 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



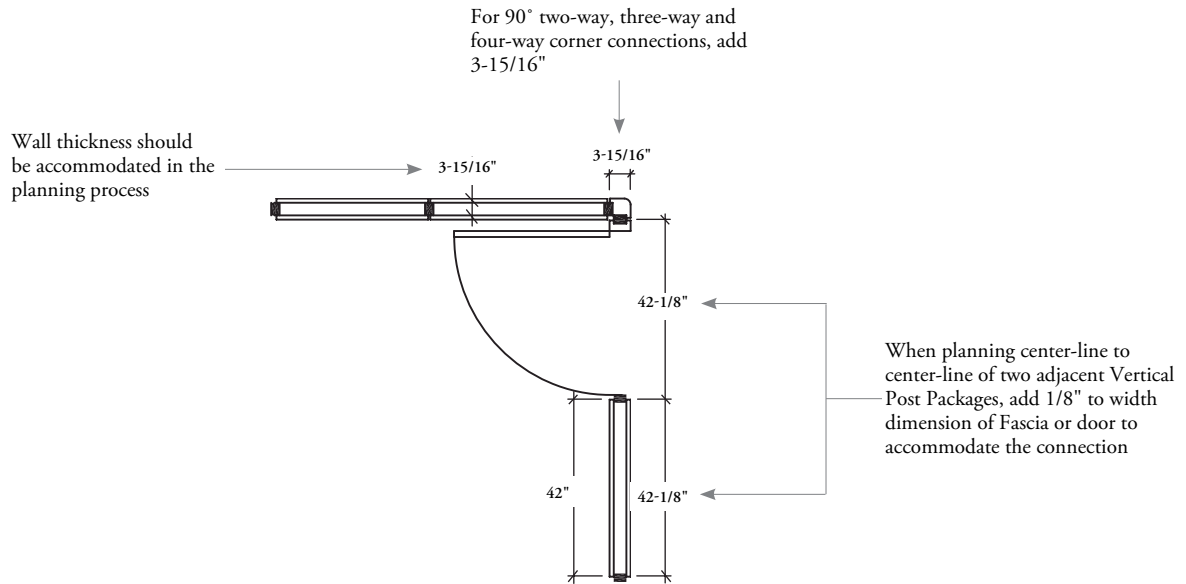
Corner Connections Hardware (FHCH)
Provides the framework to connect two walls at 90° or three walls.



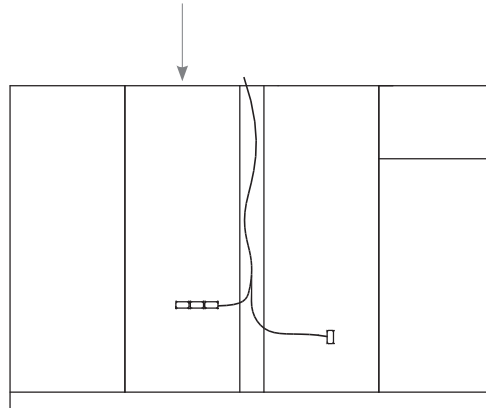
Four-Way Connection (FHC4)
Creates a full-height connection between four walls which are connected at 90°.

planning with 90° corner connections

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



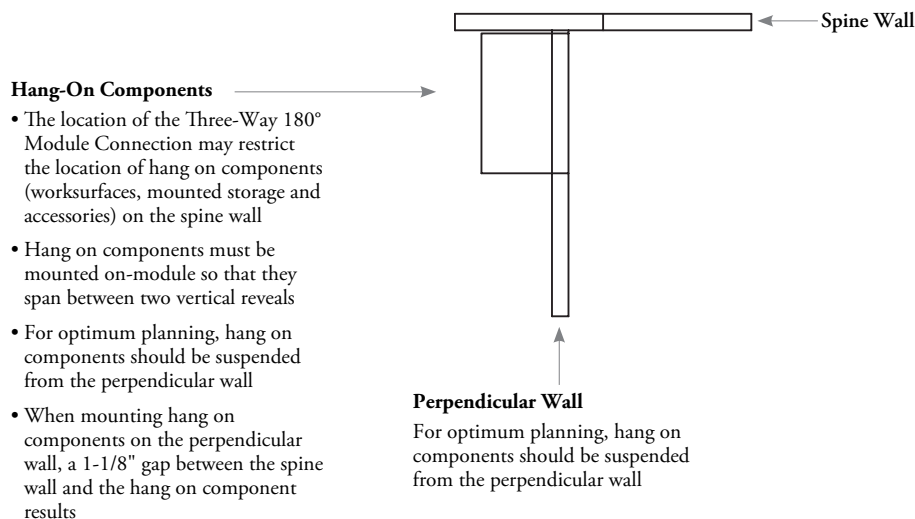
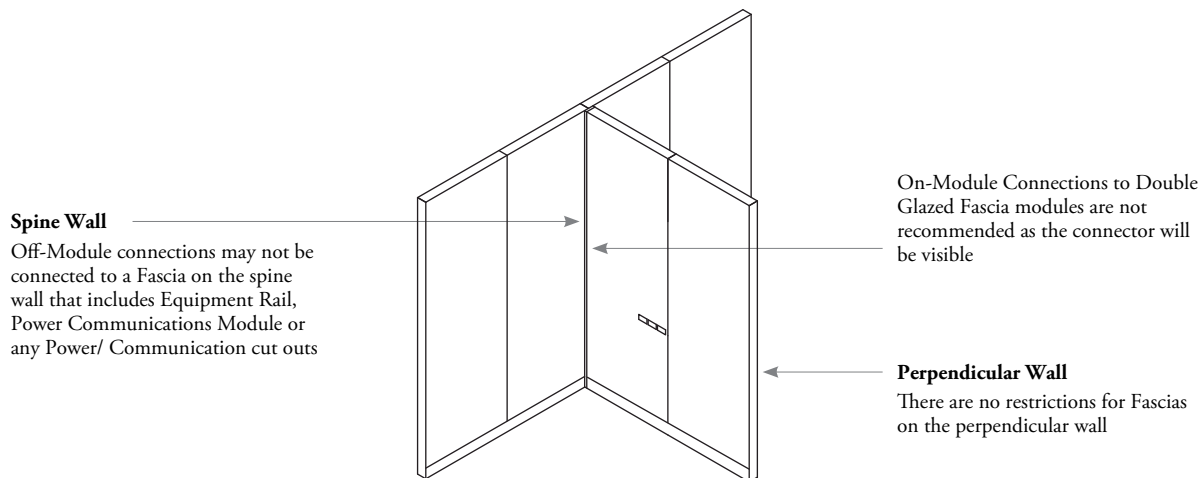
Corner connections enclose electric and communications lines traveling from wall to wall through corners or from the ceiling down to power and data



planning with module connections

The following should be considered when planning with module connections.

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

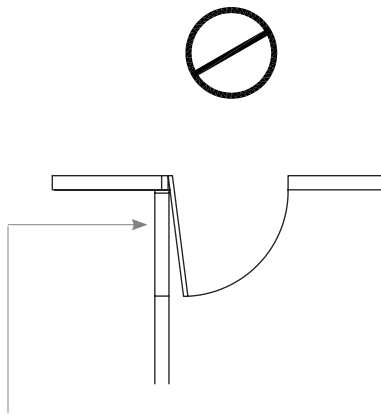


planning with module connections (continued)

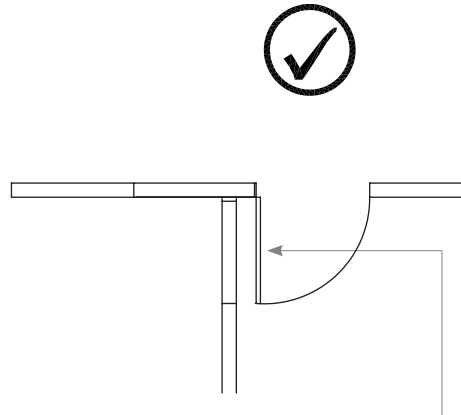
Door type and location must be taken into consideration when planning with the Three-Way 180° Module Connection. The following shows where each door type can be used on the bisected spine wall.

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

single hinged doors and single pivot doors



Door **cannot** be specified at an **ON**-module connection point

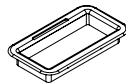
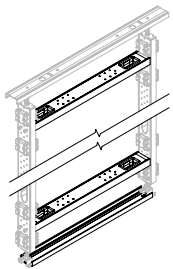
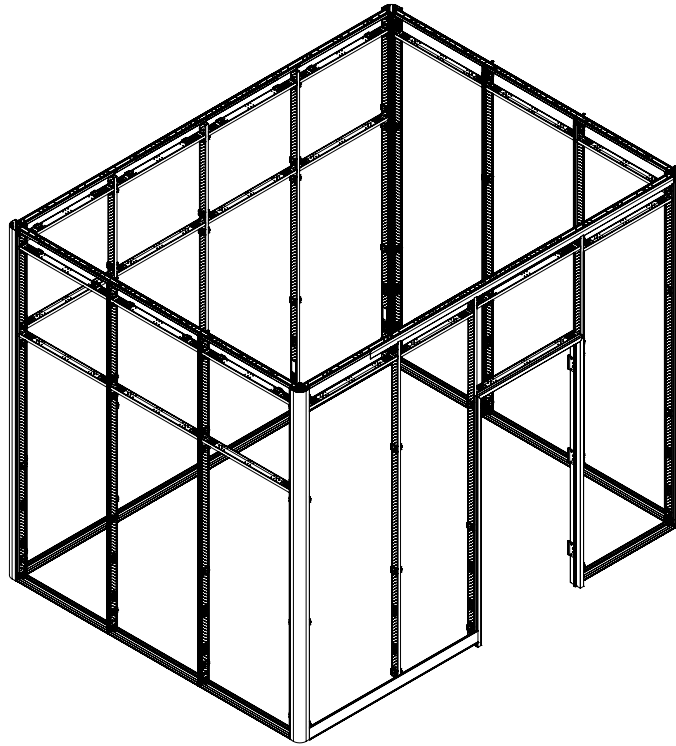


Door may be located at any full **OFF**-module wall when the door opening is a minimum of 3" from the perpendicular wall

horizontal rail basics

Horizontal Rails are required to support the vertical posts and fascias.

Each fascia will require its own Horizontal Rail Package.



Horizontal Rail Package (FHCPH)

- Consist of horizontal rails and one Modular Base Channel
- 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 used for both Solid and Glass Fascias
- Must specify ceiling fascia height being used
- When the 4" fascia is specified, female mounting clips are installed on the Horizontal Rail

Horizontal Rail Grommet (FHCRG)

- Provides a finish to the Horizontal Rail cut outs
- Optional for use with solid fascias. Cannot be used with Glass Fascias

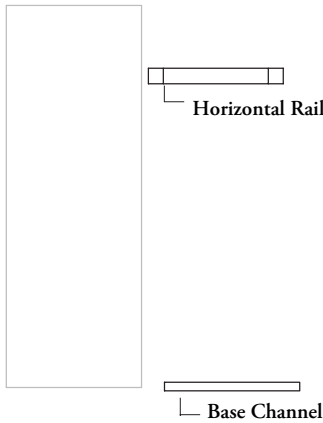
planning with horizontal rails

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.

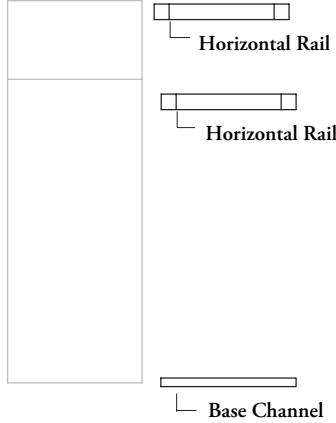
Minimum one horizontal per panel.

One horizontal per reveal line.

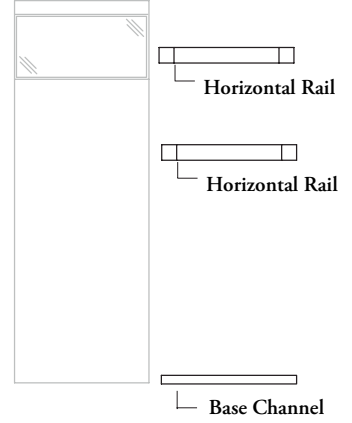
Monolithic Fascia Package (FHCPHM)



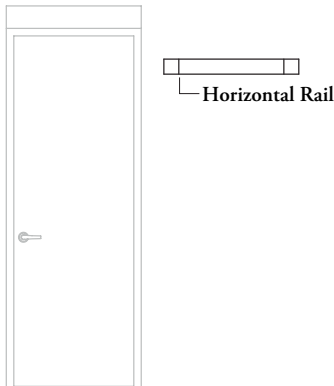
Segmented Monolithic Fascia Package (FHCPHS)



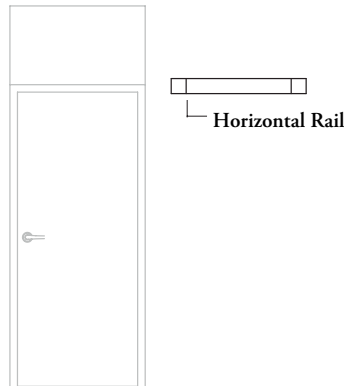
Segmented Fascia Package (FHCPHS)



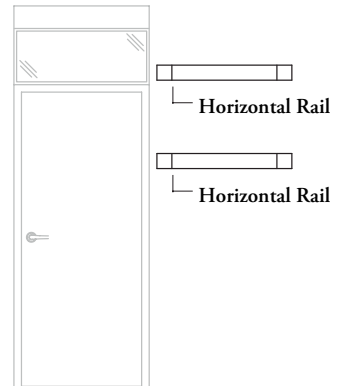
Full Height Door (FHCPHG)



Segmented Height Door (FHCPHG)



Segmented Height Door x2 (FHCPHG)

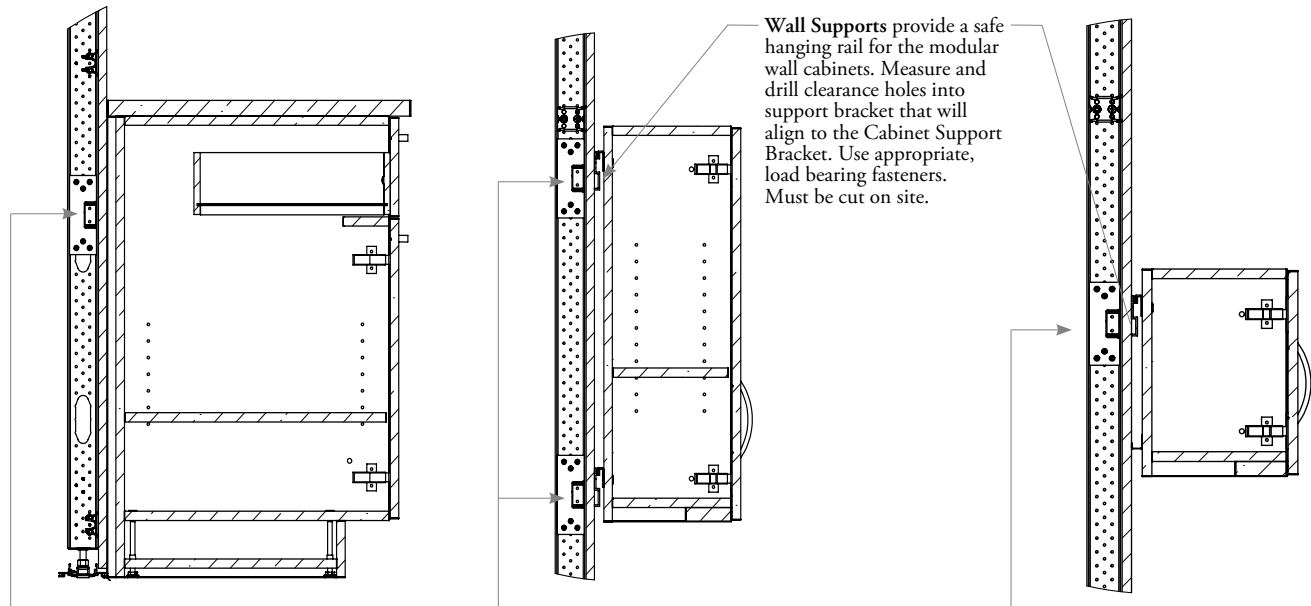


cabinet supports basics

Proper support is essential when planning with AI Healthcare and its relationship to modular cabinetry.

For specific details and assortment of Teknion Modular Cabinets, please refer to appropriate application guide for further information, the information below is for reference use only.

Cabinets can only be installed on solid fascias.



Base Cabinet Installation (shown)

- One Cabinet Support Bracket is required
- Note mounted direction of Cabinet Support Bracket
- Install Cabinet Support Bracket close to the top of the base cabinet, holes will need to be drilled on the back wall of cabinet

30" Wall Cabinet Installation (shown)

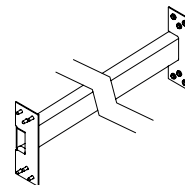
- Two Cabinet Support Brackets are required for 21", 24", 27", 30", 36", 42", 48" high cabinets
- Note mounted direction of Cabinet Support Bracket

15" Wall Cabinet Installation

- One Cabinet Support Bracket is required, the bottom is covered as shown, note direction of Cabinet Support Bracket in relation to cabinet location

Cabinet Installation (15" - 36")

- Cabinets are to be installed onto the fascia using Teknion recommended brackets, through the Fascia, into the Cabinet Support Bracket (FHCRC) in the frame, refer to modular cabinetry application guide for more information
- Cabinet Support Brackets need to be pre-installed behind the fascia
- Cabinet Support Bracket Wall Cabinet Support Kits are not included with cabinets and must be ordered separately
- Cabinet Support Bracket 15" Cabinets use one bracket, any other heights will require two brackets
- Base cabinet will require one bracket
- Metal End Panel for Wall Cabinet are recommended to provide sealing against fascia
- Modular cabinets can only be installed on one side of AI Healthcare Wall



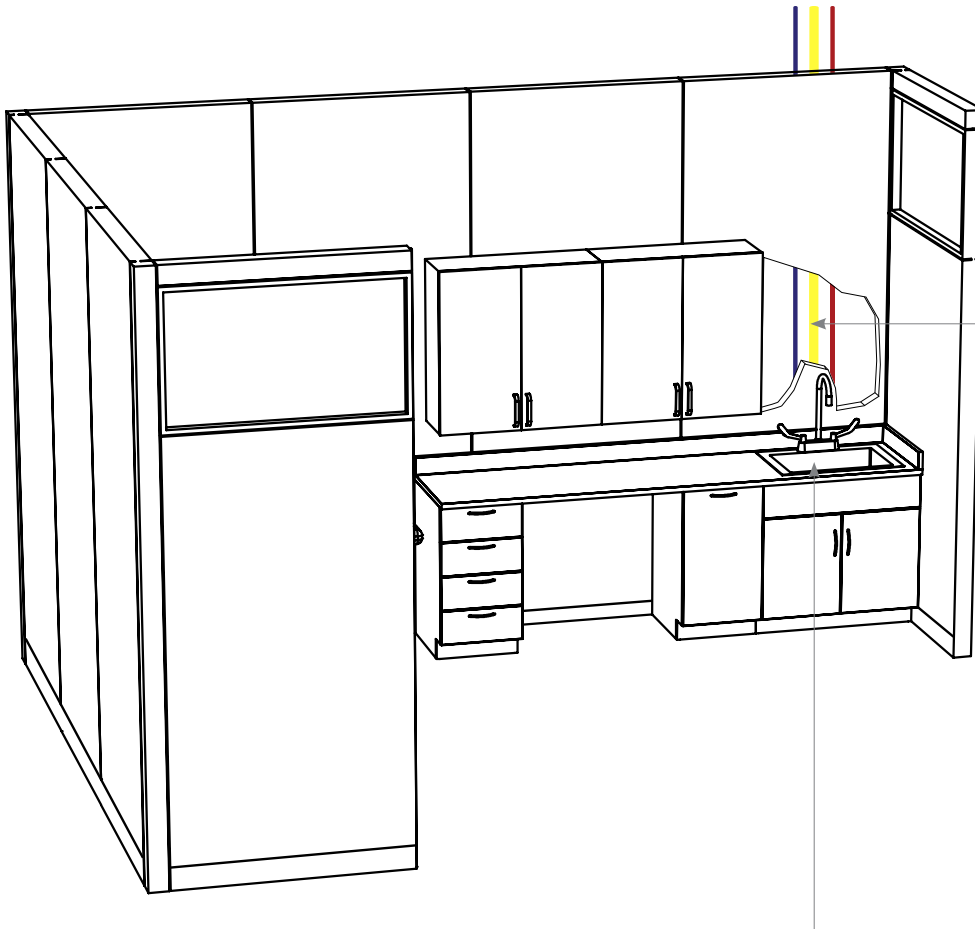
Cabinet Support Bracket (FHCRC)

- Designed to provide extra support to the cabinetry being installed
- Use appropriate load bearing fasteners only
- Use one for any 15" high cabinetry
- Use two for any other cabinetry height sizes
- Use one for all base cabinetry

application guide

plumbing walls overview

All plumbing requirements will be treated as a Special and subject to site condition.



Plumbing Routing

Plumbing routing shown is a sample, any plumbing requirements are to be processed as a Special.

Plumbing Wall

- Sink, Faucets and Plumbing to be provided by others based on site condition
- Sink cut out on-modular cabinets are to be cut on site
- Brackets and plumbing inside of AI Healthcare walls will be processed as Specials due to wide variances of on site condition and demands
- Image shown is a sample, on site condition will change the arrangement of the end plumbing solution



No plumbing chase on segmented fascia configurations.

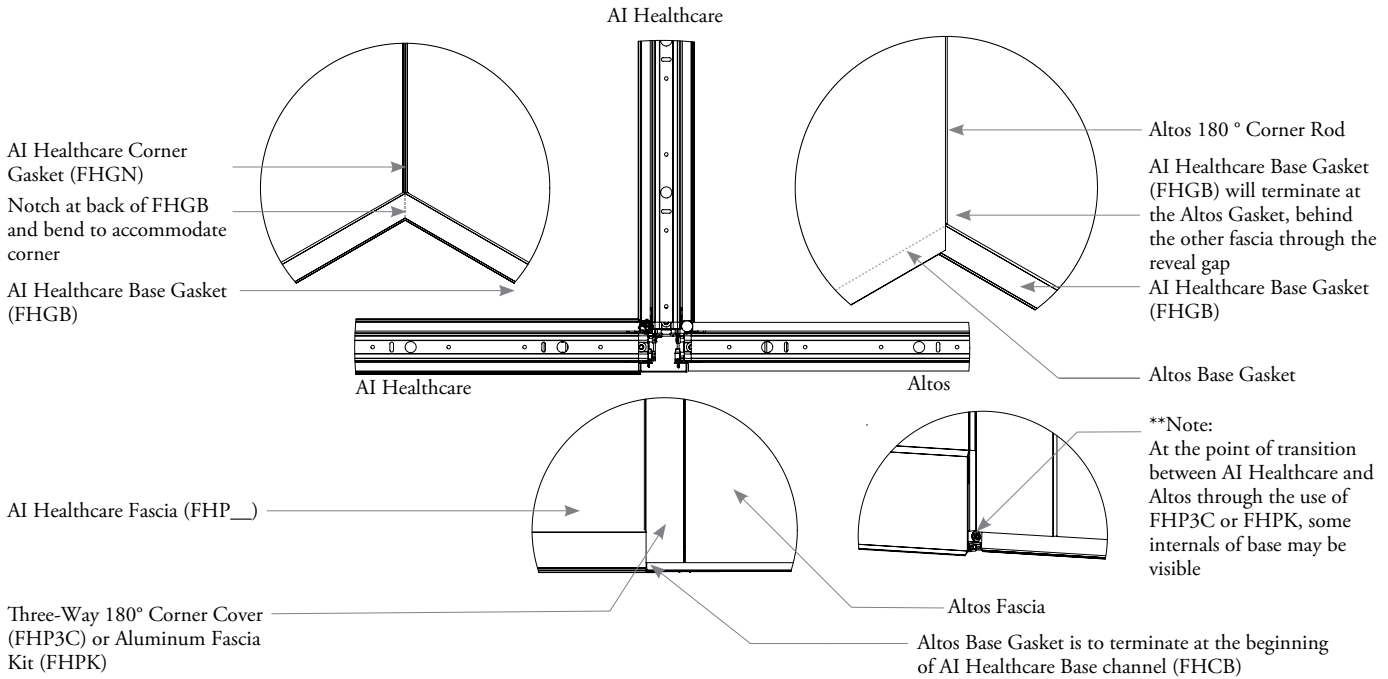
AI Healthcare to altos connections

AI Healthcare allows transition between the AI Healthcare system to Altos systems. Note the following restrictions

transition - three-way, four-way corner connection and aluminum fascia kit

In situations where it is planned to place an AI Healthcare room next to a standard Altos room in three-way 180° module connection or four-way corner connection transition. Three-way sample shown below, the notes here also applies to the use of Aluminum Fascia Kit (FHPK).

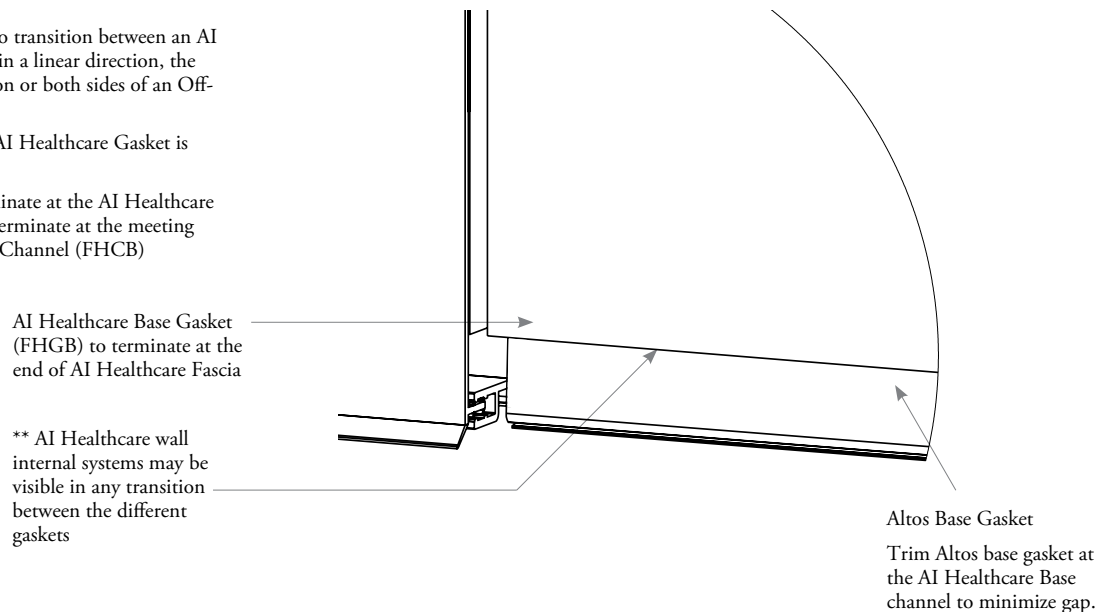
- Shared walls between Altos and AI Healthcare will use AI Healthcare wall system
- In transitional inside corner between Altos and AI Healthcare, the Base Gasket (FHGB) will be fitted to meet the Altos Base Gasket
- On the outside of a three-way or Aluminum Fascia Kit, Altos Gasket is to extend up to the AI Healthcare Base Channel (FHCB), some internals of AI Healthcare system may be visible
- All Altos products, refer to the *Altos Price & Product Guide*



transition - linear

In situations where it is needed to transition between an AI Healthcare wall to an Altos wall in a linear direction, the outside of On-Module connection or both sides of an Off-Module connections

- Transition between Altos and AI Healthcare Gasket is shown here
- AI Healthcare Gasket will terminate at the AI Healthcare Fascia, Altos Base Gasket will terminate at the meeting point with AI Healthcare Base Channel (FHCB)



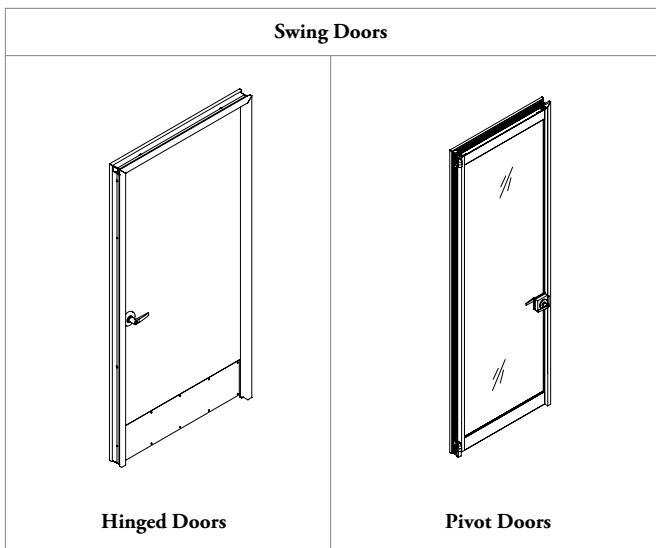
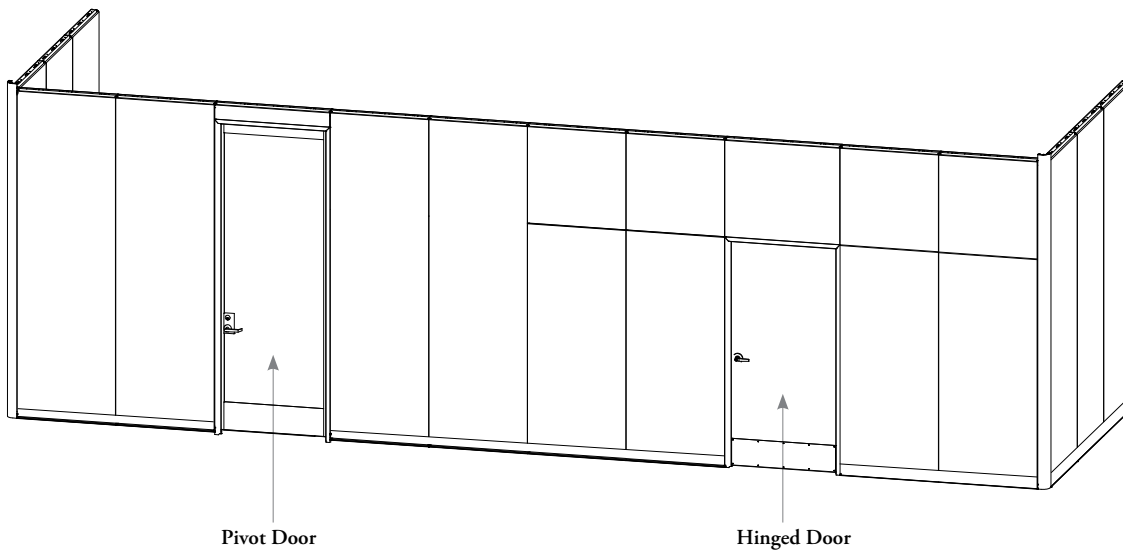
** images showing gap is for reference only, gap visibility is dictated by on site condition and subject to change

doors

door overview

AI Healthcare offers a variety of doors that meet a range of privacy and functional needs: Hinged and Pivot.

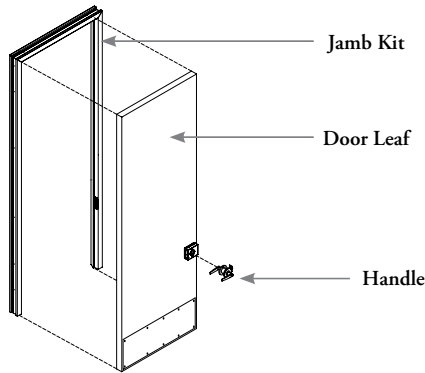
- Available in Glass and Solid options
- Door Leaves, Jamb Kits and handles are necessary to complete a full door module
- Check local regulatory codes for minimum clear height allowed for door openings
- Locking or non-locking is available



building up a complete door module

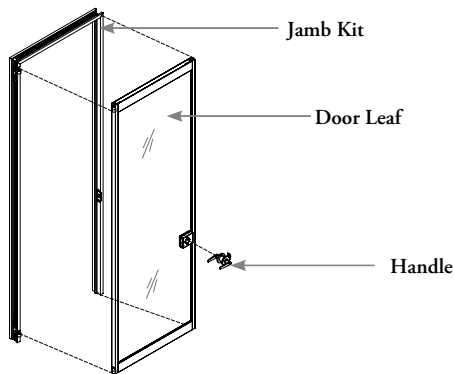
- Door leaves, jamb kits and handles need to be specified to create a complete door module
- Fascias above and adjacent to doors need to be specified separately

complete hinged door package = door leaf + jamb kit + handle



Shown with optional 10" AFF ADA kick plate.

complete pivot door package = door leaf + jamb kit + handle



Optional 10" AFF ADA kick plate available, not shown.

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

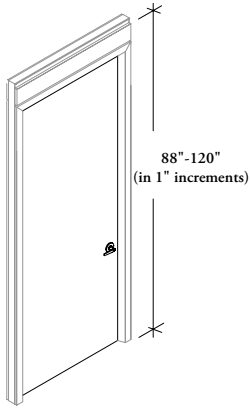
	Full/Monolithic Height	Segmented Height	
		With Solid Transom	With Glass Transom
Single Leaf Doors	2 ceiling fascias, 1 per side	2 solid fascias 'SM2' location, 1 per side	2 ceiling fascias, 1 per side + 1 glass fascia 'S2' location, centered

hinged single door basics

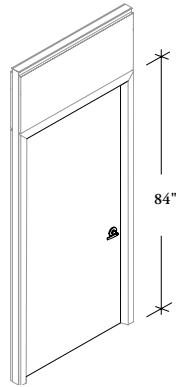
Hinged doors permit a swing opening up to 180° (actual 176° with door stop).

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

Solid Hinged Door LP Leaf Single (FHSSZL)



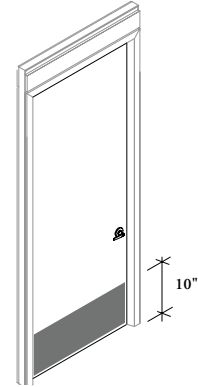
Full Height Door with 4" Ceiling Fascia



Segmented Height with Solid Transom



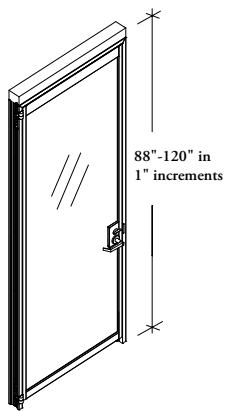
Segmented Height with Glass Transom



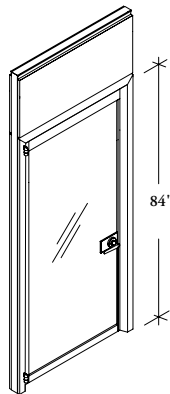
Optional 10" high Integrated ADA Stainless Steel Kickplate

- 1-3/4" thick solid leaf
- Available in 40" and 42" nominal widths
- Available with 4" ceiling fascia height or segmented height
- Optional 10" high Stainless Steel kickplate (ADA)
- Optional Bottom Seal
- Solid Finishes: Healthcare HPL
- Component finishes: Clear Anodized and Painted

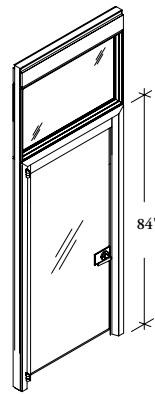
Glass Pivot Door LP Leaf Single (FHSGPL)



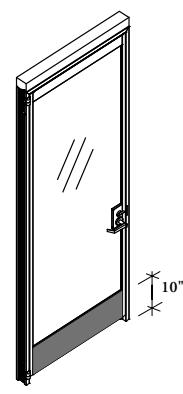
Full Height Door with 4" Ceiling Fascia



Segmented Height with Solid Transom



Segmented Height with Glass Transom



Optional 10" high Integrated ADA Stainless Steel Kickplate

- 10mm thick (3/8" nominal thickness) glass leaf
- Available in 40" and 42" nominal widths
- Available in full height with 4" ceiling fascia height or segmented height
- Optional 10" high Stainless Steel kickplate (ADA)
- Glass Type: Tempered or Tempered - Laminated
- Snap on top cover installed keeps dust out of door mechanism

jamb basics

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

Each door leaf type require a specific jamb kit, they are not compatible.



Solid Hinged Door LP Jamb Kit Single (FHSSZJ) for Jamb for the Solid Hinged Door LP Leaf Single (FHSSZL)

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



Glass Pivot Door LP Jamb Kit Single (FHSGPJ) for Jamb for the Glass Pivot Door LP Leaf Single (FHSGPL)

- Consists of jamb frame, connection hardware, adjustable strike plate, one door stop
- Available in 40" and 42" nominal widths

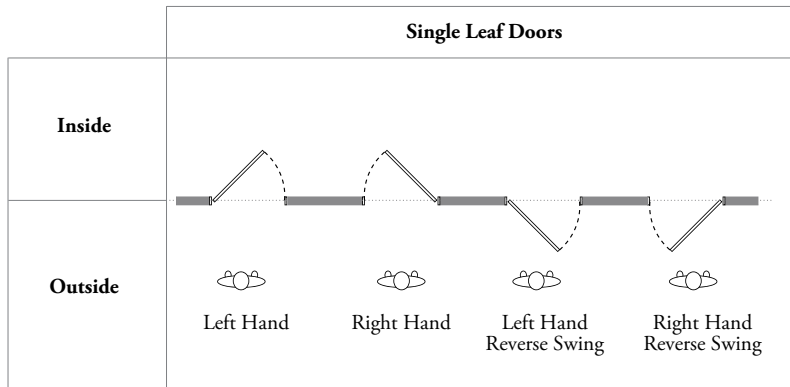
The following table provide you the correct matching of products per each door type

Hinged LP Doors			
	Leaf	Jamb	Handle
Single	FHSSZL	FHSSZJ	FHHSX FHHS�

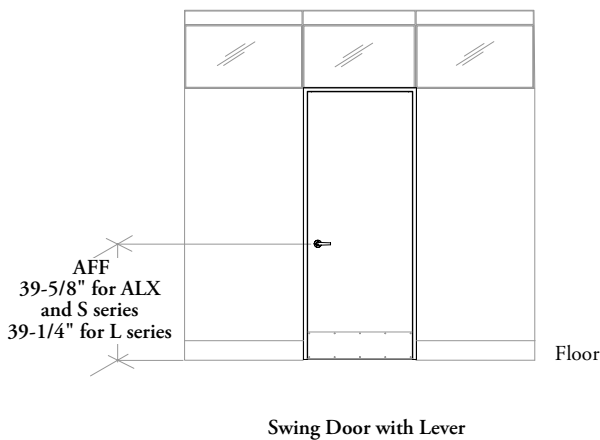
Pivot Doors			
	Leaf	Jamb	Handle
Single	FHSGPL	FHSGPJ	FHHSX FHHS�

This chart shows the possible door swing 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 thumbturn on the inside

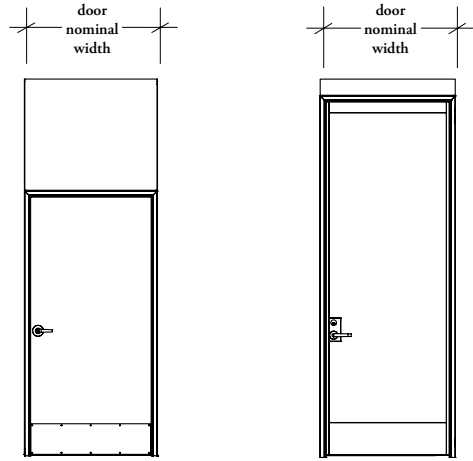


The handle locations for swing doors is constant.



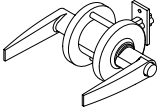
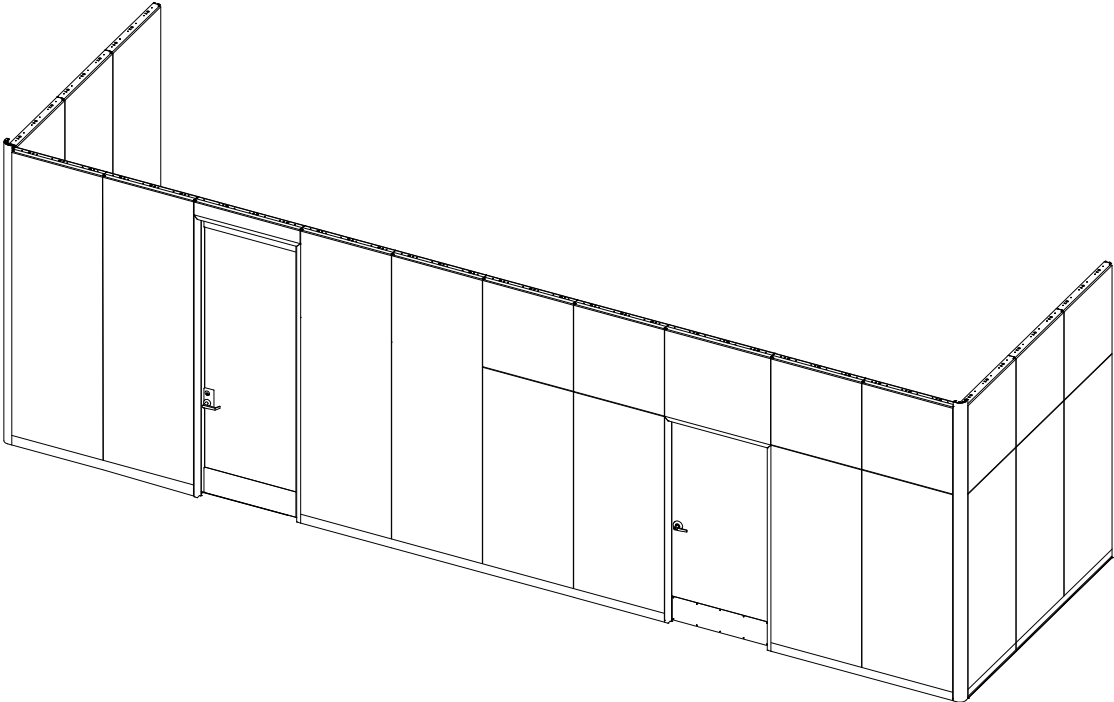
door widths

Door module widths and door clearances for all doors are shown below. Door modules include leaf and jamb kit.

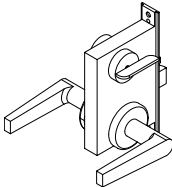


	Door Nominal Width	Maximum Width Opened 180°	Clear Width at 90°
Solid Hinged Door LP Leaf Single (FHSSZL)	40	36-1/4"	35"
	42	38-1/4"	36"
Glass Pivot Door LP Leaf Single (FHSGPL)	40	36-1/4"	36"
	42	38-1/4"	36"

The following outlines the handles available on the swing door program.



Door Handle Schlage ALX Series (FHHSX)



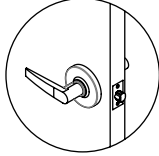
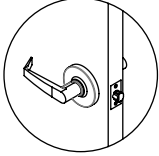
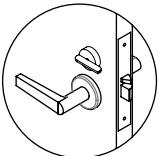
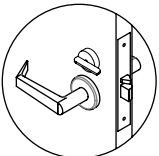
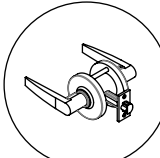
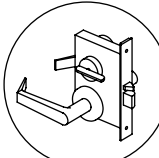
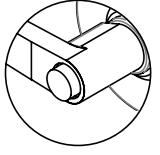
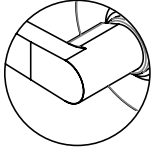
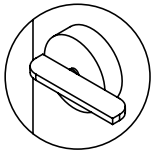
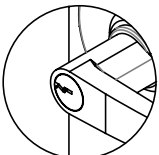
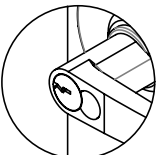
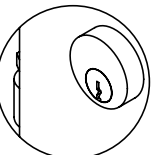
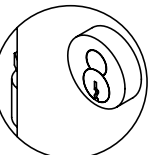
Door Handle Schlage L Series (FHHSL)



Control Key (FHKK)

- 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	Rhodes	07	06
Teknion's name	Type A	Type R	Type 07	Type 06
Lock Type				
	Cylindrical Lock		Mortise Lock	
Lock Function				
	Push button lock - ADA Std	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		Satin chrome ANSI/ BHMA 626, US26D	

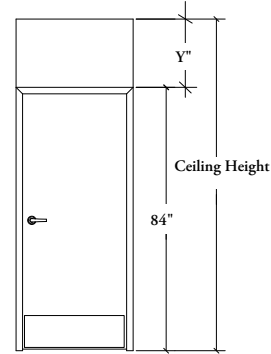
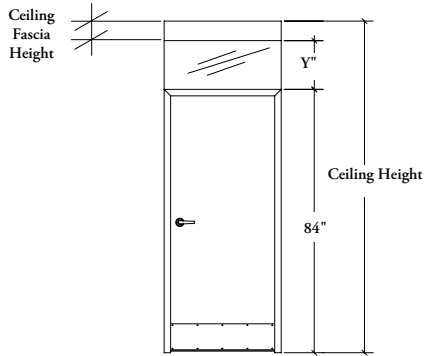
- Inside lever always free for immediate egress
- Doors specified with "conventional cylinder" are keyed randomly (two keys provided per door)
- Doors specified with "Interchangeable Core Cylinder" are keyed randomly (two keys provided per door), but cylinders can be removed by a universal control key (order key separately)
- After installation, customers may choose to relocate or replace interchangeable core cylinders to suit their security needs
- Keying is Schlage Everest S123 Keyway. The Everest "S123" key is backwards compatible to the Everest "C123" keyway lock cylinder. However, the "S123" key is not backwards compatible with the "C" keyway lock cylinder
- Doors specified with "conventional cylinder" are keyed randomly (two keys provided per door)
- The keyway is open, meaning they are available to end users from locksmiths for key duplication without any official procedure

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:

$$\underbrace{\hspace{1.5cm}}_{\text{Ceiling Height}} - \underbrace{84''}_{\text{Door Height}} - \underbrace{4''}_{\text{Ceiling Fascia Height*}} = \underbrace{Y''}_{\text{Fascia Height to order}}$$

Fascia Height calculation:

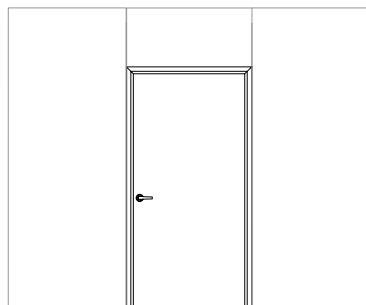
$$\underbrace{\hspace{1.5cm}}_{\text{Ceiling Height}} - \underbrace{84''}_{\text{Door Height}} = \underbrace{Y''}_{\text{Fascia Height to order}}$$

planning with swing doors

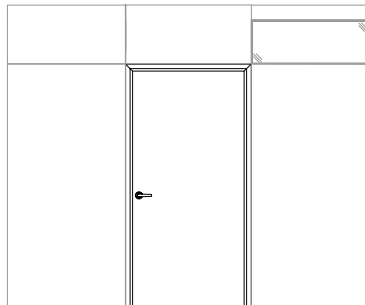
The following rules should be considered when planning with AI Healthcare swing doors.

elevations adjacent to swing doors

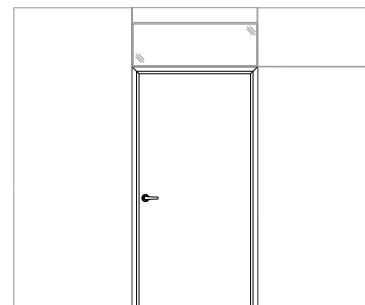
- All Swing doors may be planned adjacent to any fascia elevation: monolithic and segmented
- Corresponding jamb kits must be specified



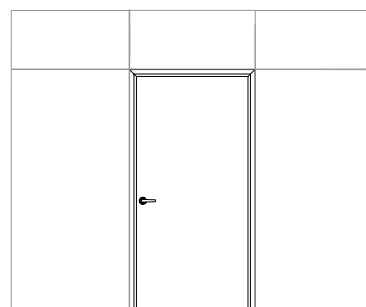
Monolithic Height Wall Segmented Door Monolithic Height Wall



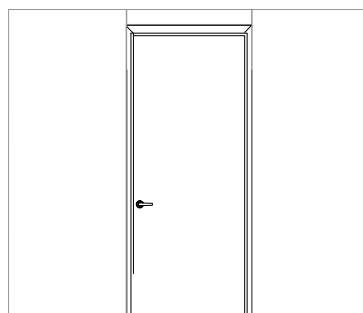
Segmented Wall Segmented Door Segmented Wall with Glass



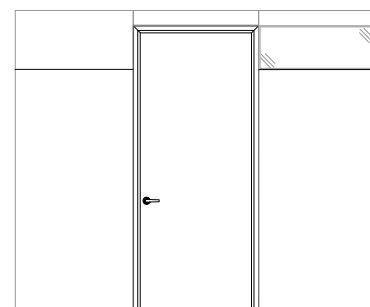
Monolithic Height Wall Segmented Door Segmented Monolithic Wall



Segmented Monolithic Wall Segmented Door Segmented Monolithic Wall



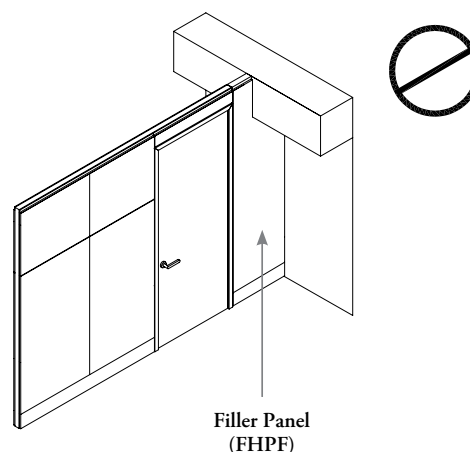
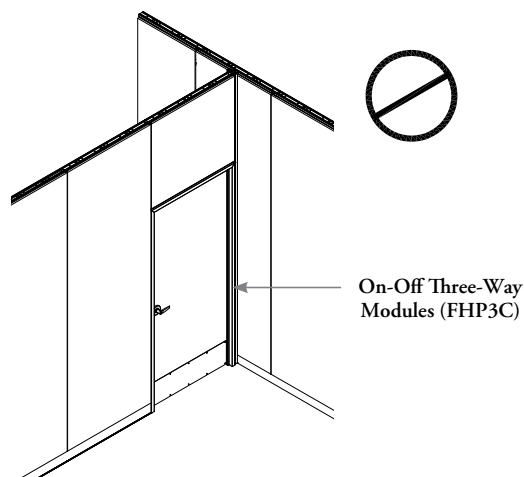
Monolithic Height Wall Full Height Door Monolithic Height Wall



Segmented Monolithic Wall Full Height Door Segmented Wall with Glass

wall starts and filler panels

- Doors **cannot** be located adjacent to Finished Wall End (FHCEW), Filler Panels (FHFP) or On/Off Three-Way Modules (FHP3C) (Filler panels shown)
- Doors can be attached to Adjustable Wall Start (FHCSA)

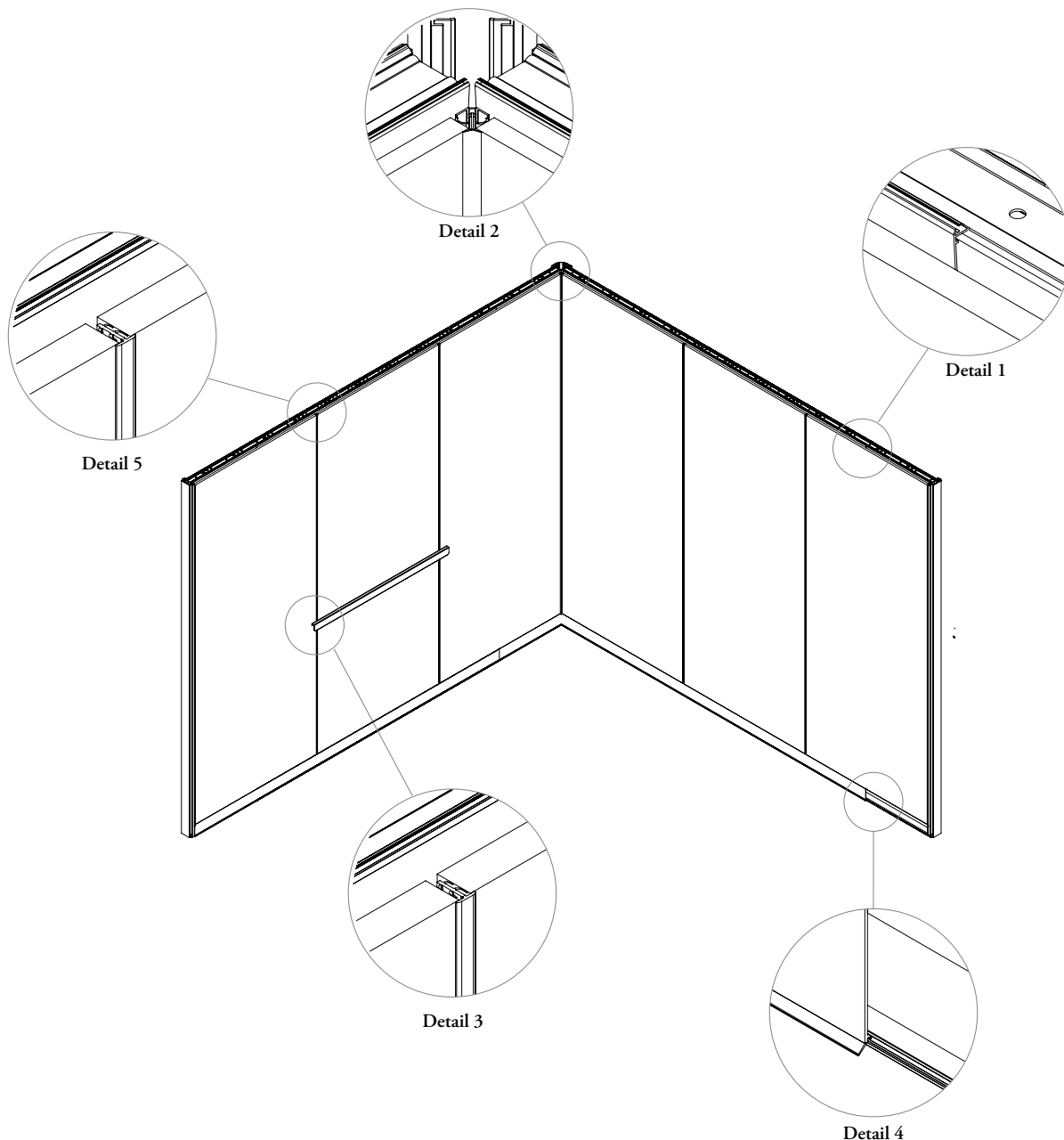


gaskets

AI Healthcare has a range of seam sealing solutions that maximizes the cleanability of each room.

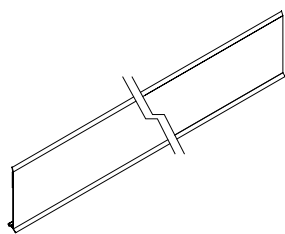
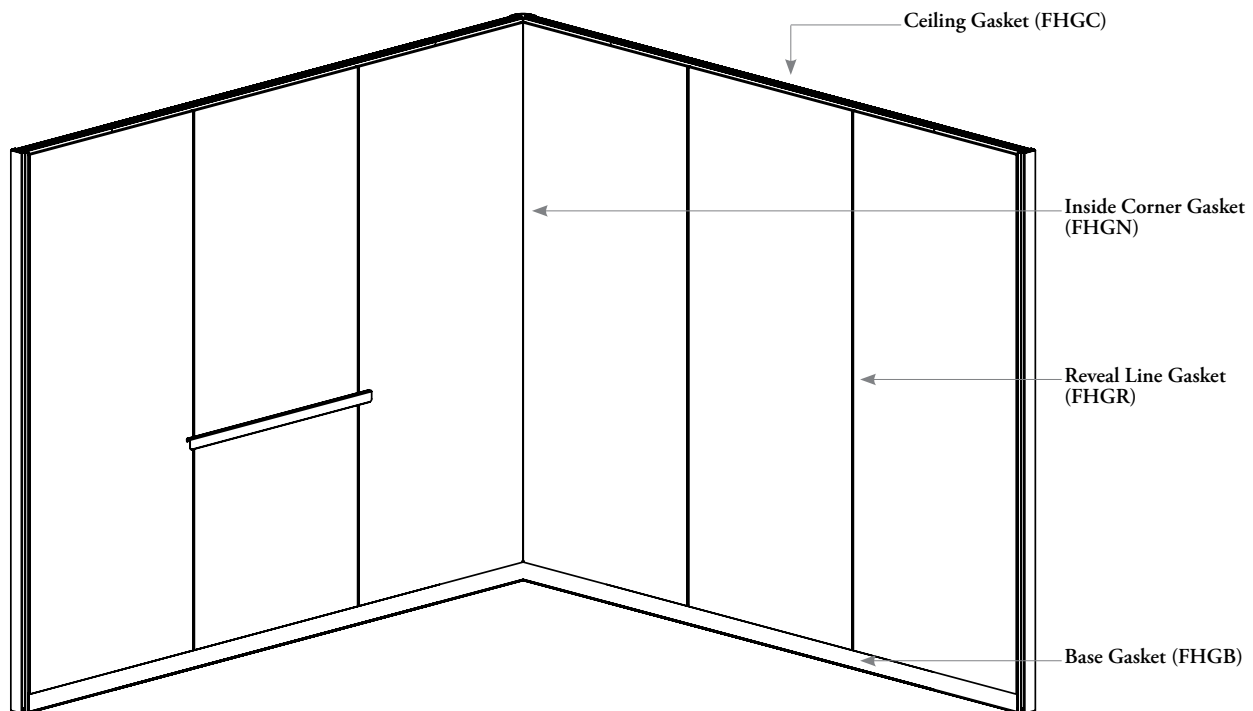
Once the frame kits and power data connections are installed then the gaskets will be applied following these steps

- 1) Ceiling Gasket (FHGC) (Detail 1) are installed with a mechanical connection to the Ceiling Channel (FHCC)
- 2) The Inside Corner Gasket (FHGN) (Detail 2) is applied into the corner gap of the fascia. The remaining fascia is then installed into the frame structure
- 3) All the remaining fascias are installed
- 4) Teknion Modular Cabinets, Worksurfaces and Equipment Rails (FHRE) (Detail 3) are installed on the verticals
- 5) Base Gasket (FHGB) (Detail 4) are first installed mechanically to the Base Channel (FHCB) and held in place to the fascia with adhesive tape
- 6) Reveal Line Gasket (FHGR) (Detail 5) will need to be cut to fit on site to accommodate wall mounted accessories such as modular cabinets or work surfaces and AI Healthcare Equipment Rail (FHRE) (Detail 3)
- 7) Base Gasket (FHGB) will need to be cut to fit on site to accommodate any base cabinetry that is to be installed



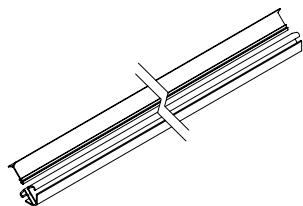
gasket basics

Gaskets are used to seal gaps between the wall and/or building to provide improved acoustic and cleanability.



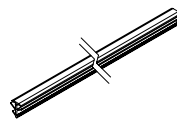
Base Gasket (FHGB)

- Is a light and sound seal between the bottom of the wall system and the finished floor
- May conceal minor height variations in floor surfaces
- Mounts with a mechanical connection to the Base Channel (FHCB), as well as adhesive tape onto the fascia
- Length: 10'
- Finish: Ebony



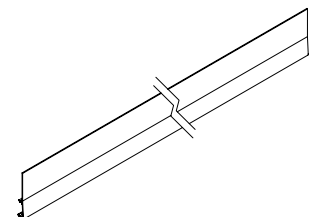
Inside Corner Gasket (FHGN)

- Provides a trim cover for the inside of a 90 ° corner
- Mounts to the edge of a fascia with a press-fit connection
- Length: 10'
- Finish: Ebony, Platinum, Very White



Reveal Line Gasket (FHGR)

- Provides a trim cover for vertical and horizontal reveal lines
- Mounts onto two inline fascias with a press-fit connection
- Length: 10'
- Finish: Ebony, Platinum, Very White



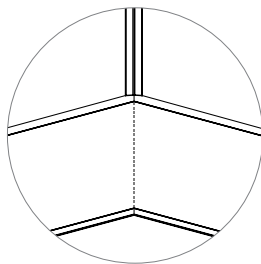
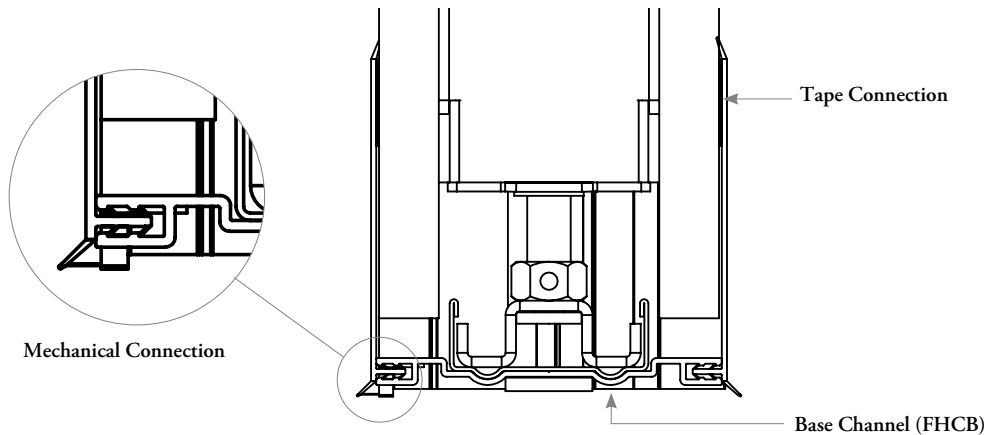
Ceiling Gasket (FHGC)

- A light and sound seal between the top of the wall system and the ceiling
- Mounts with mechanical connection to the ceiling channel (FHCC)
- Length: 10'
- Finish: Ebony, Platinum, Very White

The following needs to be considered when planning with Gaskets.

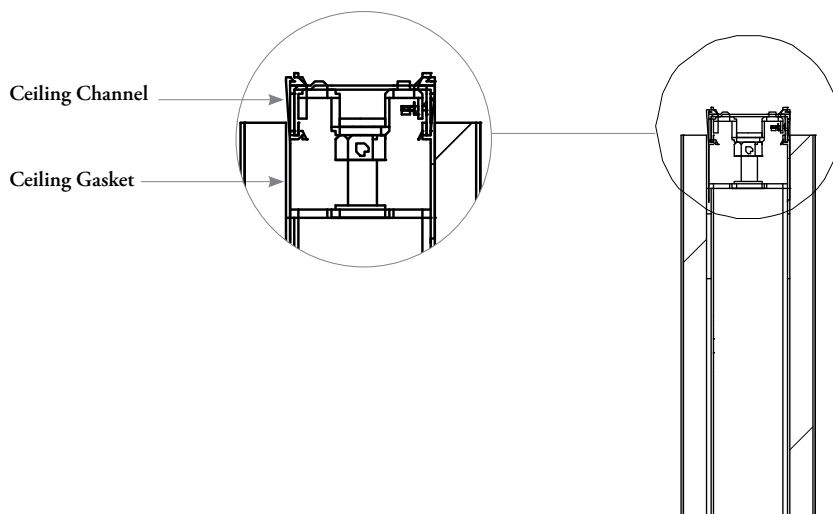
floor/wall interface

The Floor Gasket connects to the Base Channel (FHCB) with a mechanical connection, as well as adhesive tape onto the fascia.



ceiling/wall interface

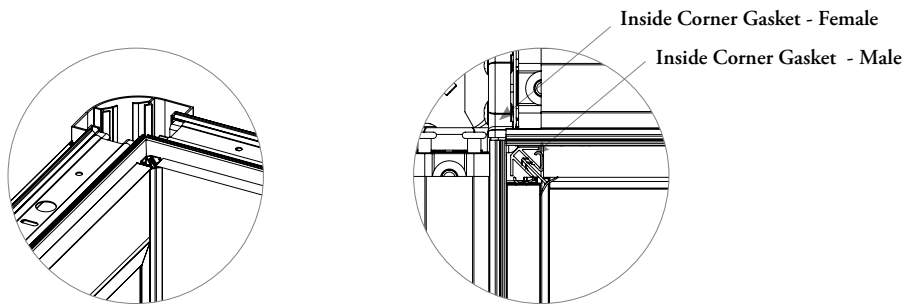
The Ceiling Gasket (FHGC) connects to the Ceiling Channel (FHCC) with a mechanical connection.



planning with gaskets (continued)

inside corner/wall interface

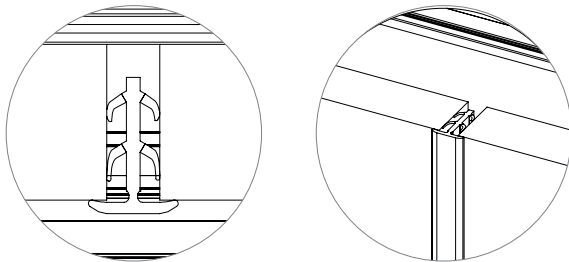
The Inside Corner Gasket (FHGN) is a two piece gasket, with the female portion of the gasket installed into the corner prior to installation of adjacent fascia. The Male portion of the gasket is installed into the corner and secured with mechanical connection.



reveal line gasket/wall interface

The Reveal Line Gasket (FHGR) fits in the gap between two fascias and it is held in place by friction.

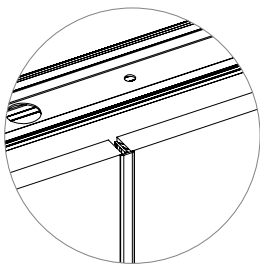
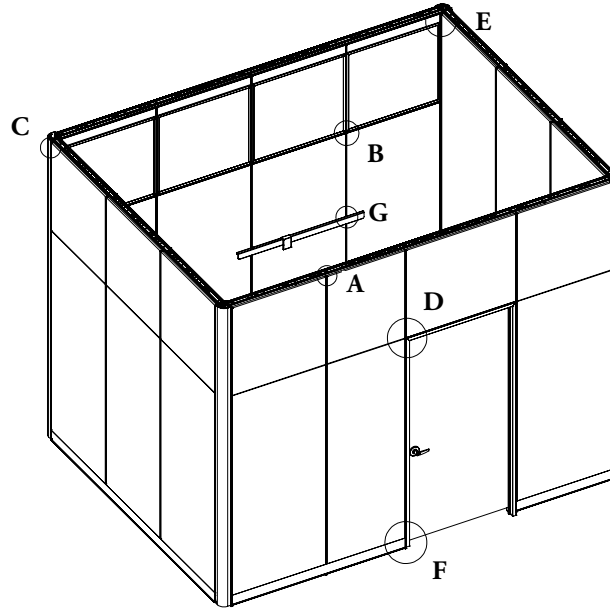
Teknion offers a range of products that mounts to the vertical reveal line, in situations where accessories are to be installed on the vertical reveal lines, the Reveal Line Gasket will need to be cut on site to provide an opening for the accessory to have access to the vertical posts.



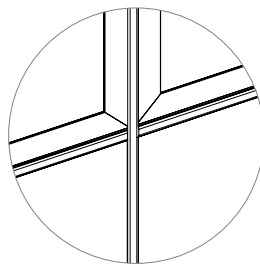
planning with gaskets (continued)

Gaskets should be placed along the following applications.

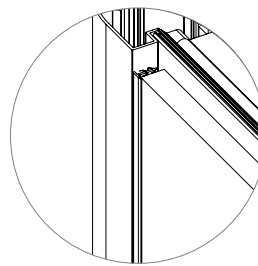
application with AI Healthcare gaskets



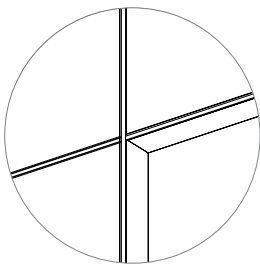
Detail A
Monolithic Fascia (FHPM)
 Reveal Line Gasket (FHGR) available in 10' lengths, trim to the height of monolithic fascia on site.



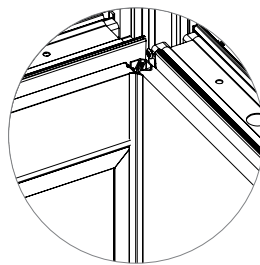
Detail B
Glass Fascia - Double, Square Corner - Segmented (Level 2) (FHPG2)
 Trim Reveal Line Gasket on the horizontal to fit between Reveal Line Gaskets on the vertical.



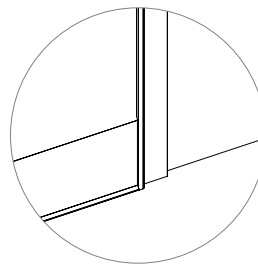
Detail C
Two-Way 90° Corner Cover (FHP2C)
 Reveal Line Gasket (FHGR) fits in the space between the 90° Corner Cover (FHP2C) and any AI Healthcare Fascias.



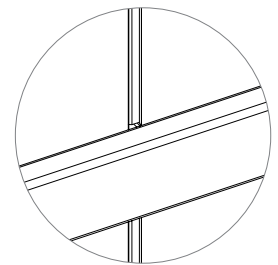
Detail D
Solid Hinged Door LP Jamb Kit Single (FHSSZJ) and Segmented Monolithic Fascia (FHPSM2)
 Trim Reveal Line Gasket on the horizontal to fit between Reveal Line Gaskets on the vertical.



Detail E
Inner Corner Gasket (FHGN)
 Two piece gasket designed to fit into the corner of fascias. Female part of the gasket must be fitted in during fascia install and male gasket is pushed into place.

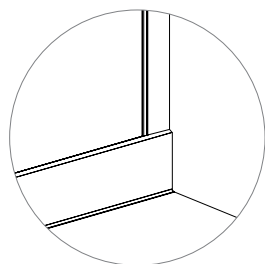
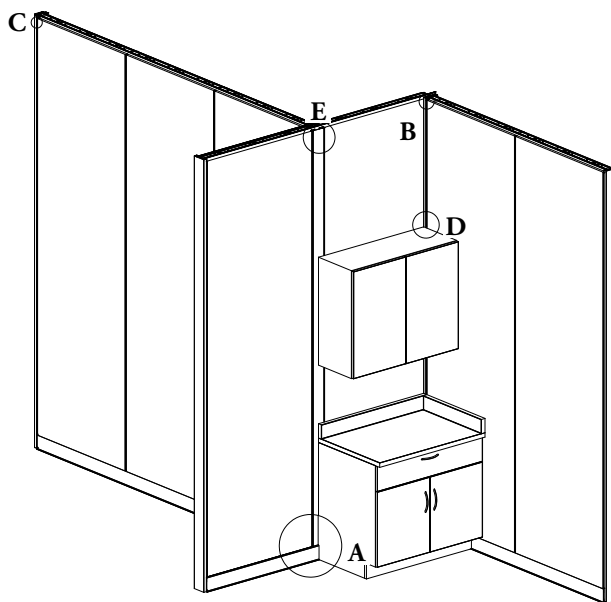


Detail F
Base Gasket (FHGB)
 Fit Reveal Line Gasket (FHGR) to the top of the base gasket on site.



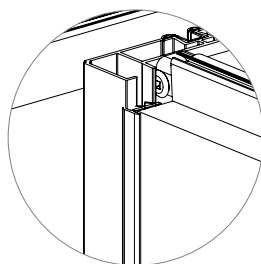
Detail G
Equipment Rail (FHRE)
 At instances of being in the pathway of Reveal Line Gasket such as the Equipment Rail (FHRE), trim gasket to reveal opening for accessory to be mounted. Ensure Reveal Line Gasket has a tight fit around brackets.

planning with gaskets (continued)



Detail A
Cabinet Joint (FHGB)

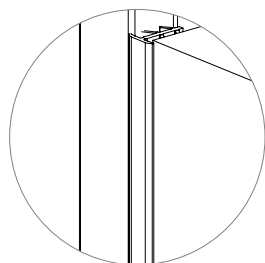
Trim Base Gasket (FHGB) at the intersection point with any modular cabinets.



Detail B
Three-Way 180° Module Connection (FHC3)

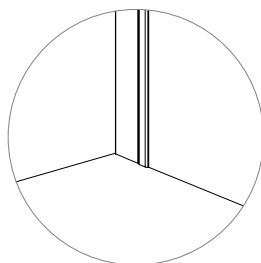
On-Module shown.

Reveal Line Gasket to be fitted next to the Three-Way 180° Module Connection.



Detail C
Adjustable Wall Start (FHCSA)

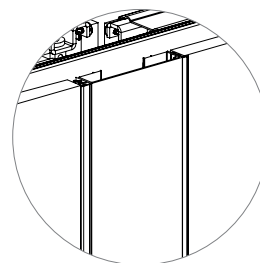
Reveal Line Gasket to be fitted next to the Adjustable Wall Start.



Detail D
Wall Cabinet joint (FHGR)

Trim Reveal Line Gasket to the top of any upper cabinet.

Reveal Line Gasket will need to be trimmed to fit between the upper and bottom cabinet.



Detail E
Three-Way 180° Corner Cover (FHP3C) and Aluminum Fascia Kit (FHPK)

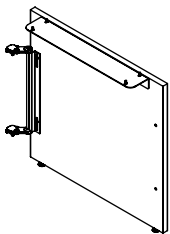
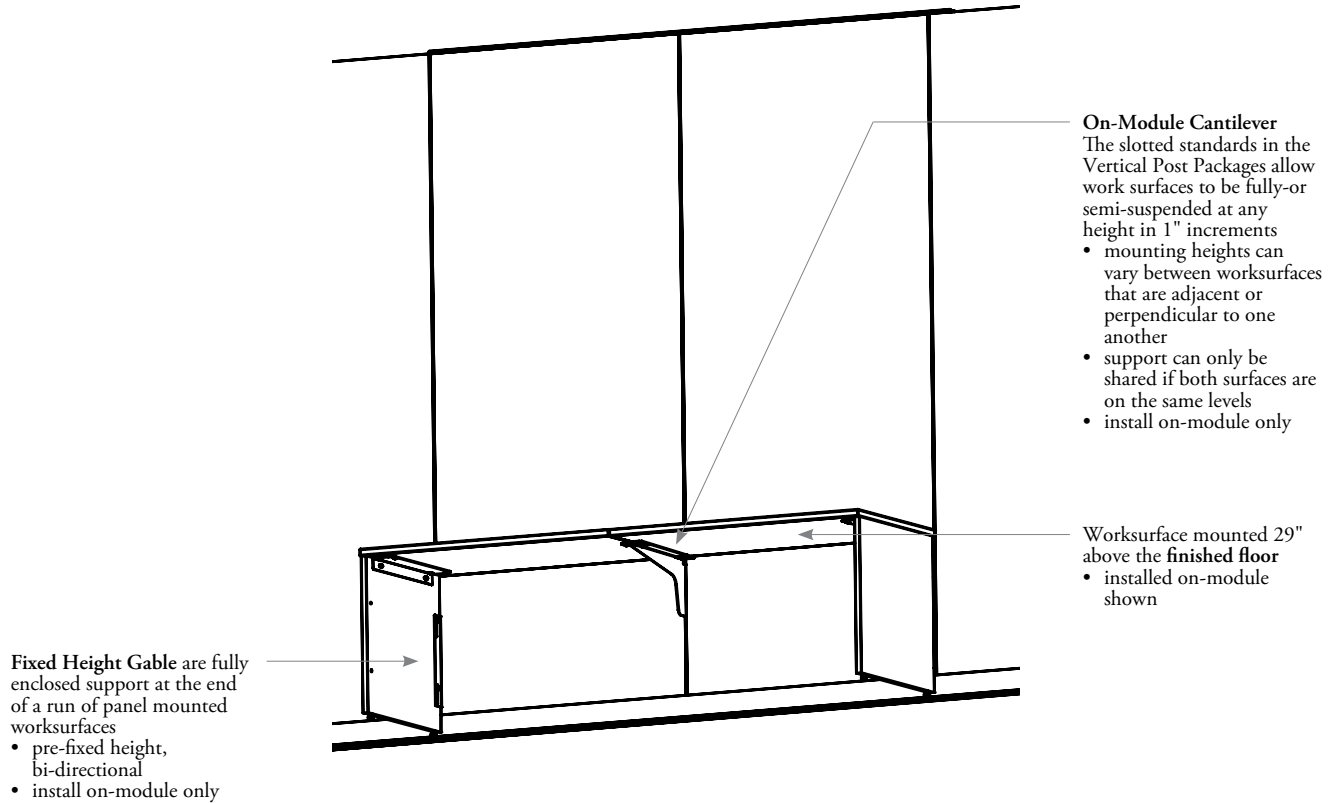
Reveal Line Gasket will fit on both sides of the Three-Way 180° Corner Cover (FHP3C) and Aluminum Fascia Kit (FHPK).

Ceiling Gasket (FHGC) will fit behind the Fascia, Base Gasket (FHGB) will fit proud of the fascia.

supports

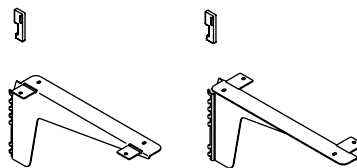
worksurface supports overview

Proper support is essential when planning with AI Healthcare modular walls and worksurfaces.



Fixed Height Gable (FHLG)

- A non-handed support providing fully enclosed support at the end of a run of panel-mounted (on-module only) worksurfaces and AI Healthcare Wall Mounted worksurfaces
- Available in Foundation Laminate and Flintwood finishes



Right

Left

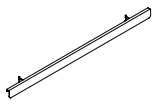
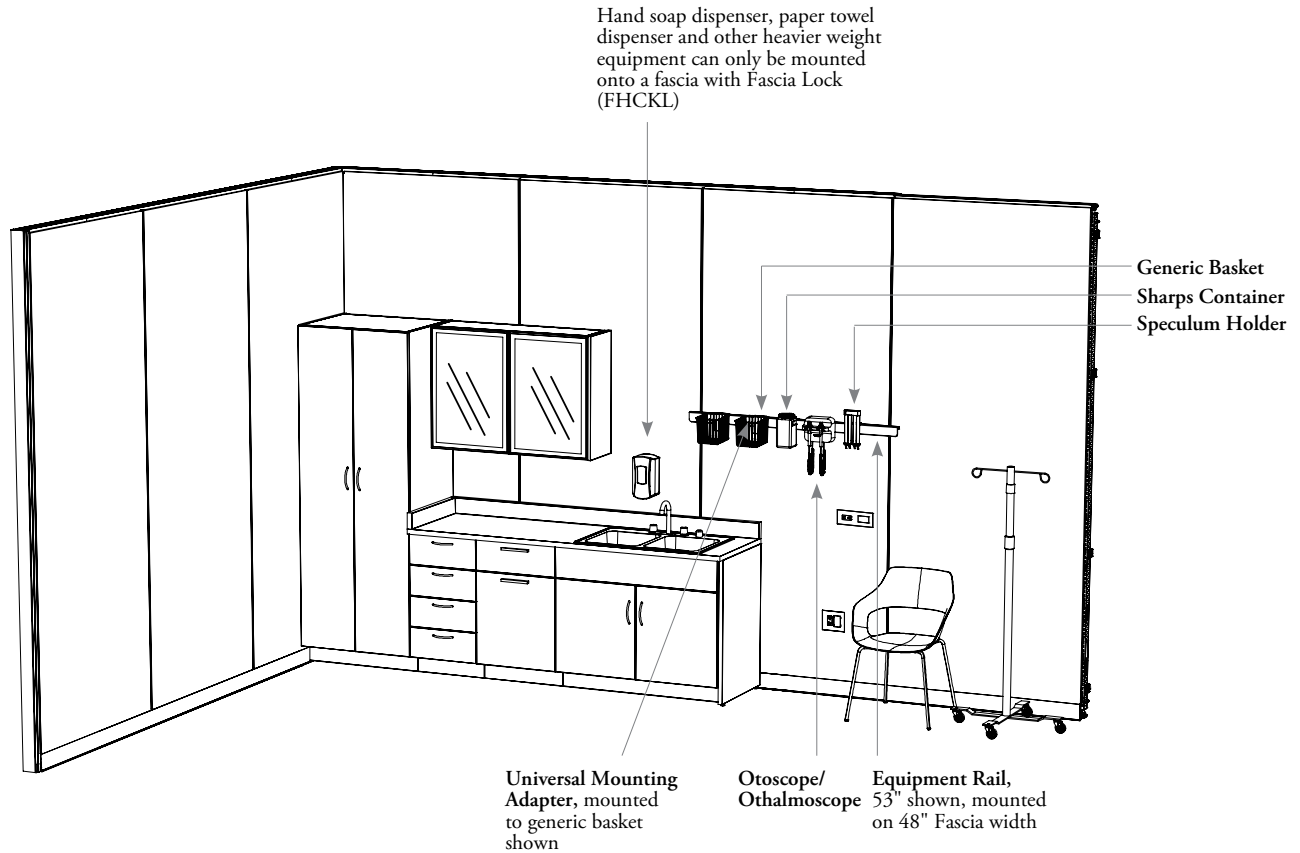
On-Module Cantilever (FHLV)

- Applied on-module (in the wall slotted vertical) to support worksurfaces. Fits flush beneath wall-mounted worksurfaces to allow knee clearance
- Can be applied in a right hand, left hand or shared position
- Available in Painted finishes

equipment rail &
accessories

equipment rail overview

Equipment rails are used together with the adapters and plates to mount items on the AI Healthcare wall. All equipment rail components do not have grooves for ease of maintenance and infection control.



3" Wide Adapter



5" Wide Adapter

Equipment Rail (FHRE)

- Attaches to the front of the fascias, from the vertical posts to hold the medical, infection control elements, PPE, sharps etc.
- Can be mounted at all heights, with 1" increments
- Rail thickness is 1"
- Rail projection from fascia is 1-1/2"
- Length: 12" - 72"
- Able to hold Mounting Adapters (FHRA)
- Weight Restriction: 40 lbs distributed across
- Includes: Brackets to connect rail to vertical posts, anti dis-lodgment bracket
- Applications: On-Module, Double Span and Off-Module
- Finish: Painted

Universal Mounting Adapter (FHRA)

- Designed to hold a variety of equipment, to be field installed
- Hook and tightened onto the Equipment Rail (FHRE)
- Set screws secure the adapter in place and allows for easy relocation or removal
- Adapters are easy to relocate and secure using set screw
- Length: 3" and 5"
- Finish: Painted

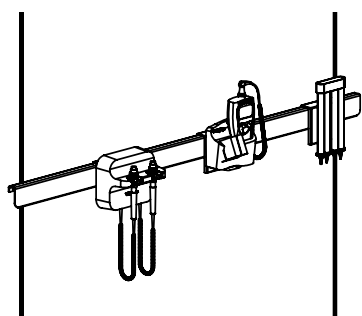
planning with equipment rails

The following should be considered when planning with Equipment Rails.

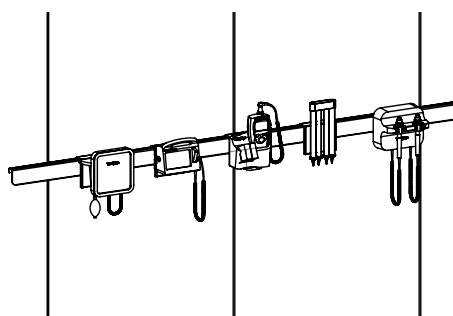
- Rails can match fascia width or span multiple fascias
- Can accommodate various site conditions and the mounting needs on site
- Recommended overhang of the rail past the bracket is 2", maximum possible overhang of the rail past the bracket is 5"
- When calculating equipment rail length unless absolutely necessary, left hand overhang and right hand overhang should be equal

Equipment Rail calculation:

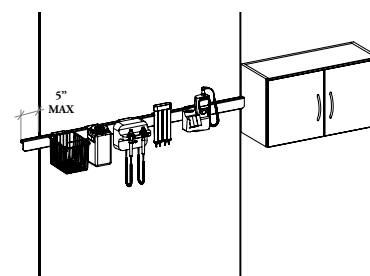
$$\underbrace{X''}_{\text{Fascia Width}} + \underbrace{0-5''}_{\text{MAX. LH Overhang}} + \underbrace{0-5''}_{\text{MAX. RH Overhang}} = \underbrace{Y''}_{\text{Equipment Rail Length}}$$



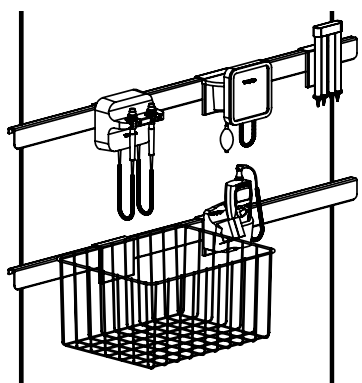
Rail Centered on Fascia, Single Span
 • Includes two brackets to connect rail to the vertical post



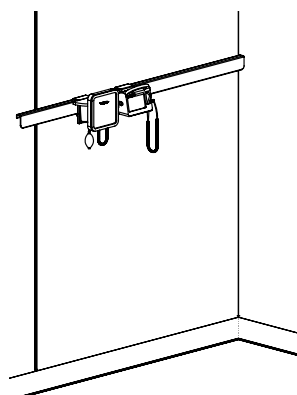
Rail Centered on Fascia, Single Span
 • Includes two brackets to connect rail to the vertical post



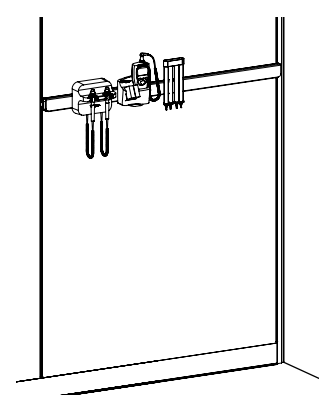
Rail Centered on Fascia, Single Span
 • Includes two brackets to connect rail to the vertical post



Stacked, Rails above one on Top of Another
 • Spacing between equipment rails must be considered based on the equipment or baskets being mounted, ensure proper clearance for accessibility

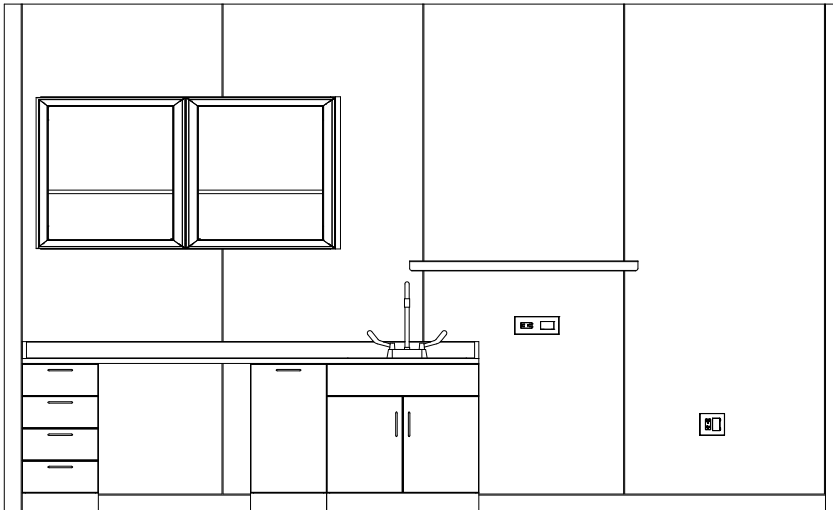


In Corner, Rail fitted at the Inside Corner of Walls
 • Not recommended
 • Bracket maybe be visible on the inside corner



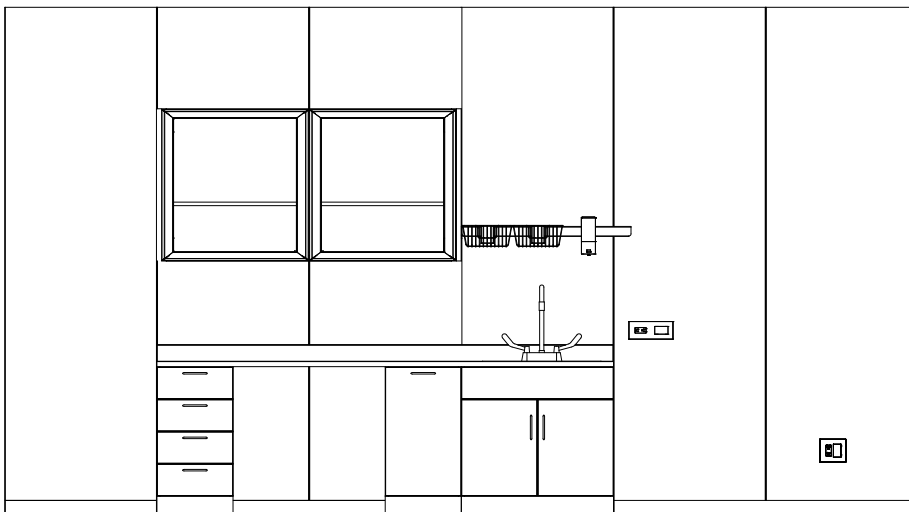
Next to Wall Start, Rail fitted next to the Wall Start
 • Not recommended

planning with equipment rails (continued)



Typical Equipment Rail installation next to Teknion Modular Cabinets

- Equipment Rails are designed to be mounted on-module. Design your modular cabinets to work around the Equipment Rail installation limitations. Ensure Teknion Modular Cabinets do not overlap the intended location of the equipment rail
- Plan your equipment rail with power requirements intended for the rail and ensure power is available within a safe distance



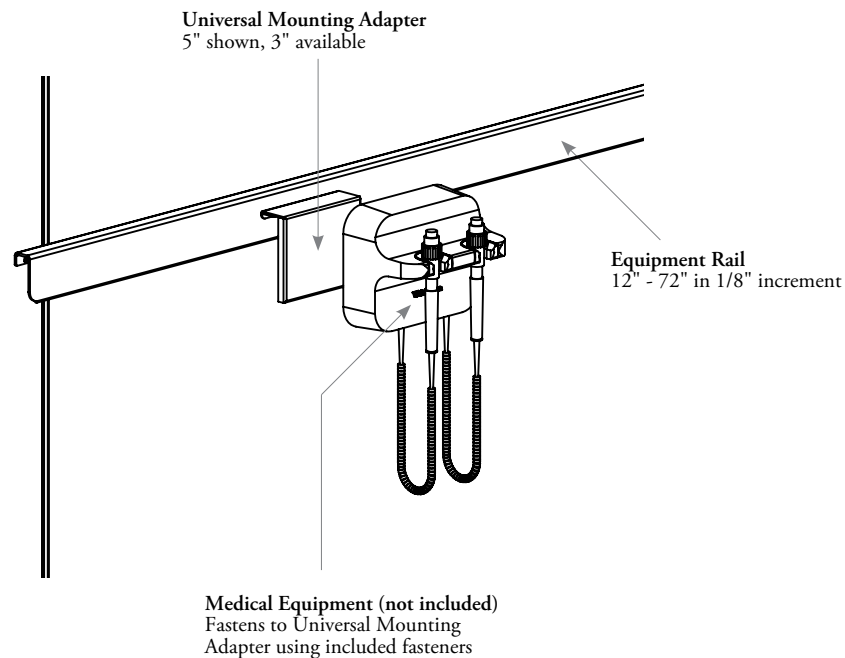
Equipment Rail can be mounted next to Teknion Modular Cabinets. Below are restrictions:

- To install equipment rail next to Teknion Modular Cabinet, ensure cabinet locations during planning do not cover intended vertical reveals for the equipment rail
- Equipment Rail must be installed prior to installation of cabinets, in order to install the anti-dislodgement brackets
- Ensure installation location do not interfere with on site condition
- Ensure installation location accommodates sufficient clearance to other on site conditions
- Bracket may be visible on the inside corner

planning with universal adapter

The following should be considered when planning with Universal Mounting adapters.

- The Universal Mounting adapters can hold light weight medical equipment and is adjustable to suit specific needs
- Medical equipment that may fall outside of the envelope of the Universal Mounting Adapter will be managed as *Specials*



Heavier equipment with dynamic load such as paper towel dispensers or soap dispensers cannot be mounted onto the Equipment Rail. These equipment will need to be installed directly onto the Fascia. Ensure Fascia Lock (FHCKL) are installed to ensure sufficient support and long term reliability.

lighting, electrics &
communications

comparing electrics & communication methods

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

Check local codes for potential limits or restrictions on products. Local authority approval may be required prior use. Healthcare Specific power requirement that are outside of standard offerings will be treated as *Special*.

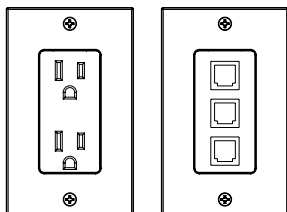
	Teknion		
	Field-supplied Electrics	Hardwire Electrics	Power Data Electrics
Daisy chaining			✓
Reconfigurations			✓
Back-to-back applications	Good	Good	Best
Licensed electrician labor	Most labor required	Most labor required	Minimum labor
Installer labor			Minimum labor
Mounting method	Fastens to back of fascia	Fastens to back of fascia with provided screws	Fastens to back of fascia with provided screws
Compatibility with AI Healthcare	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	<ul style="list-style-type: none"> • Standard Circuit • Isolated Circuit 	<ul style="list-style-type: none"> • Standard Circuit • Isolated Circuit 	<ul style="list-style-type: none"> • 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	ERMFH, ECMFH, ELSFH, EFCCFH	EPDMCFH, EPDMSFH, EPDMDFH, EPDMTFH, EPDMQFH, EPDDBFH, EPDICFH, EPDSCFH, EPDCHF, EPDHCFH, EPDHSFH, EPDHDFH

comparing electric & communication methods (continued)

The following chart helps visualize the differences between Teknion's two electrical systems for AI Healthcare.

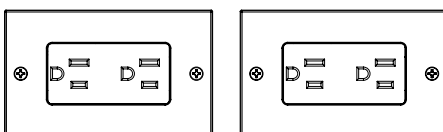
Hardwire Electric

Vertical cut outs (applicable for 18"H)



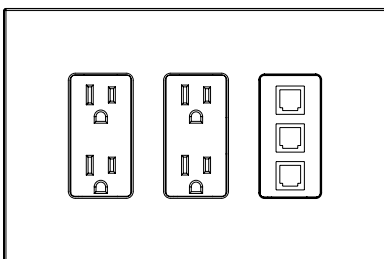
Duplexes and data boxes are specified separately.
Data jacks/faceplates are not included on communications module.
Images are for illustration purposes only.

Horizontal cut outs (applicable for worksurface and base heights)



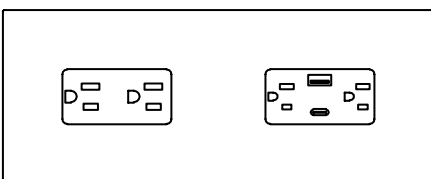
Power Data Electric

Vertical cut outs (applicable for 18" high)



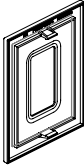
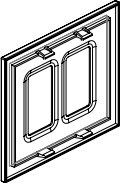
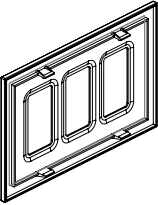
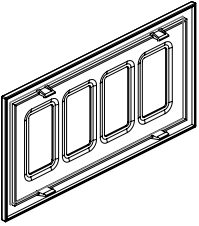
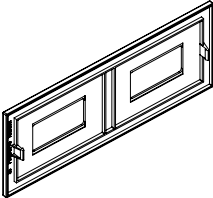
Screwless face plates.
Self contained unit for an homogeneous, clean look.
Data and Power in one box.
Single face plate for entire box.
Data jacks/faceplates are not included on Power Data modules.
Images are for illustration purposes only.

Horizontal cut outs (applicable for worksurface height)



comparing electrics & communication methods (continued)

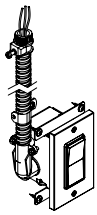
The following chart helps visualize the differences between Teknion's two electrical systems for AI Healthcare.

Description	Where Used	Overall Dimensions & Image
<p>Single size faceplate for Horizontal and Vertical Power Data Module</p>	<p>EPDHCFH EPDHSFH EPDMCFH EPDMSFH</p>	<p>Width= 4.196 inches (107 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs</p> 
<p>Double size faceplate for Vertical Power Data Modules</p>	<p>EPDMDFH</p>	<p>Width= 6.262 inches (159 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs</p> 
<p>Triple size faceplate for Vertical Power Data Modules</p>	<p>EPDMTFH</p>	<p>Width= 8.329 inches (212 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs</p> 
<p>Quad size faceplate for Vertical Power Data Modules</p>	<p>EPDMQFH</p>	<p>Width= 10.396 inches (264 mm) Height= 5.514 inches (140 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs</p> 
<p>Double size faceplate for Horizontal Power Data Modules</p>	<p>EPDHDFH</p>	<p>Width= 10.449 inches (265 mm) Height= 4.208 inches (107 mm) Thickness= 0.21 inches (5.40 mm) excluding snap tabs</p> 

lighting overview

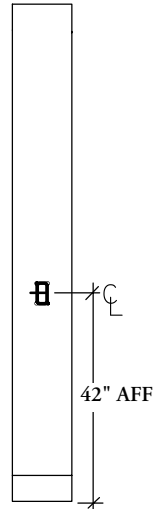
A light switch is available in AI Healthcare that allows user control of ambient lighting.

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



Light Switch (ELSFH)

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

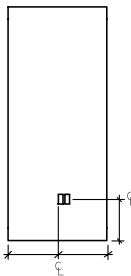
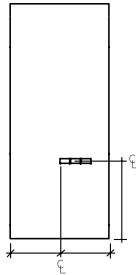
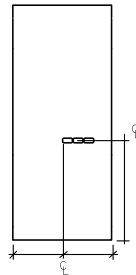


Typical light switch location.
Cut out on site.

planning with power/communication fascias

Electrics and communications receptacles can be specified at three level base heights, 18" height and work surface height depending on type specified.

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

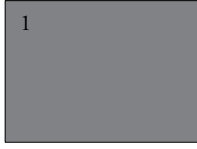
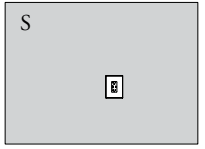
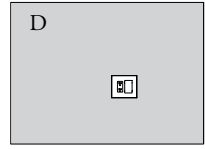
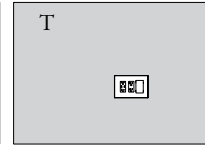
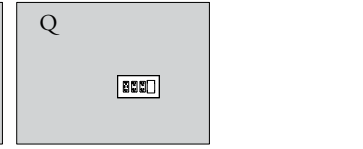
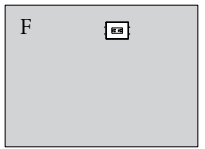
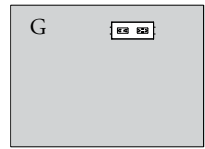
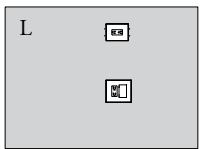
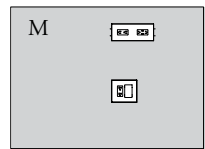
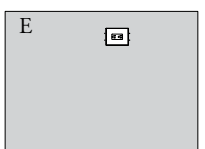
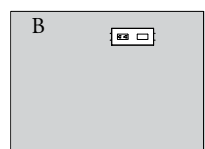
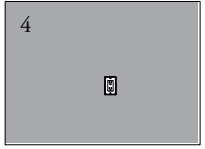
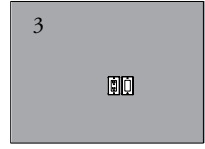

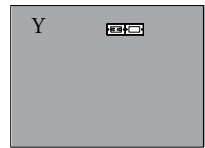
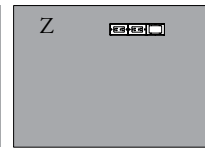



	Horizontal cut outs	Vertical cut outs
18" height		 <ul style="list-style-type: none"> ✓ Hardwire ✓ Power Data <p>18" above finished floor to center-line of cut out</p>
Worksurface height	 <ul style="list-style-type: none"> ✓ Hardwire ✓ Power Data <p>33" above finished floor to center-line of cut out</p>	
Backsplash height	 <ul style="list-style-type: none"> ✓ Hardwire ✓ Power Data <p>44" above finished floor to center-line of cut out</p>	

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.

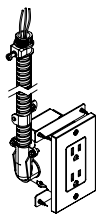
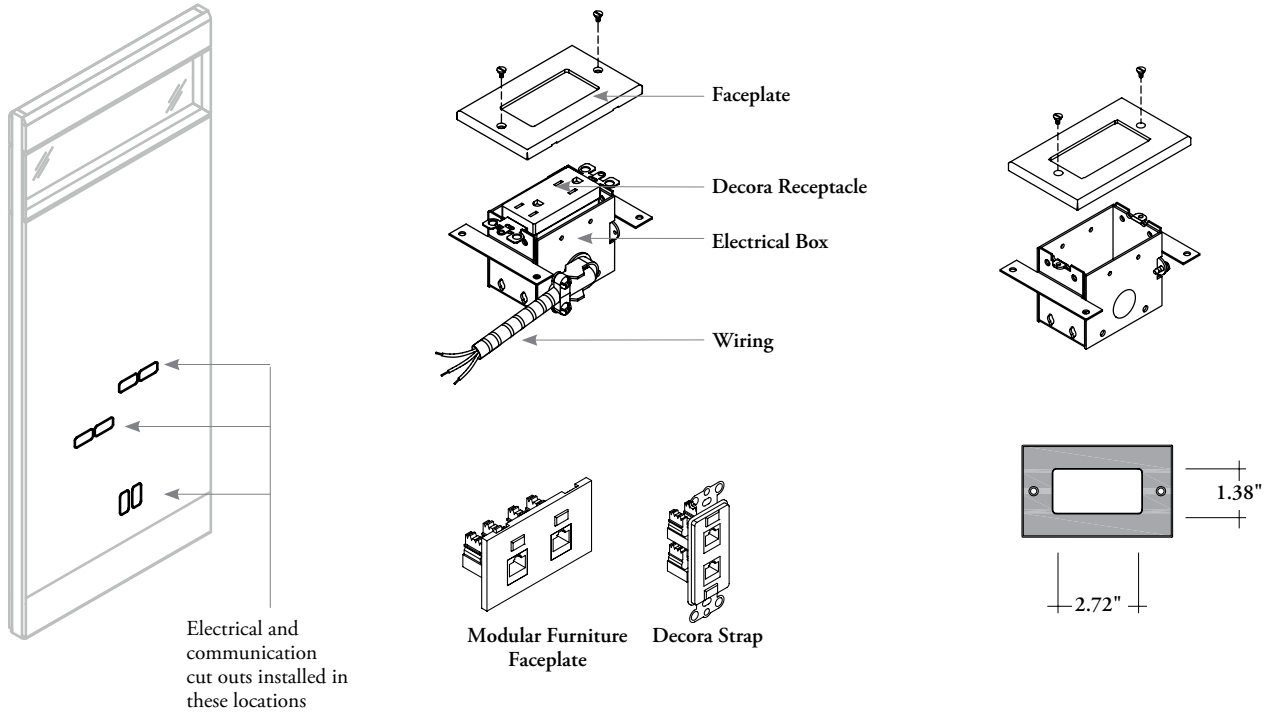
Cut out styles should be chosen depending on the electrical system being used.

No need for electrical access	No cut outs				
Power Data	18" AFF Height				
	33" AFF Height (worksurface height)				
	Combined Heights (18" and worksurface heights)				
	44" AFF Height (backsplash height)				
Hardwire	18" AFF Height				
	33" AFF Height (worksurface height)				
	44" AFF Height (backsplash height)				

hardwire electrics & communications basics

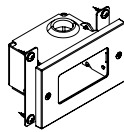
Hardwire components consist of receptacle modules and communications modules.

- 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



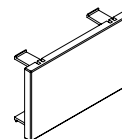
Receptacle Module (ERM)

- 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
- AI Healthcare 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



Communication 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)

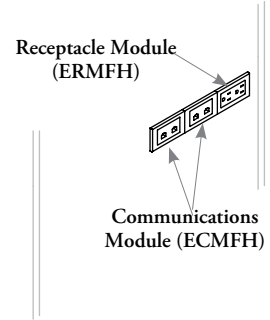
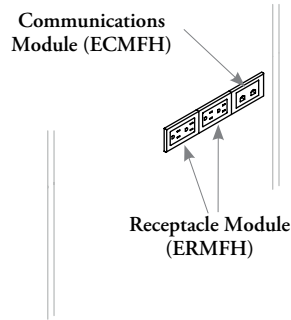
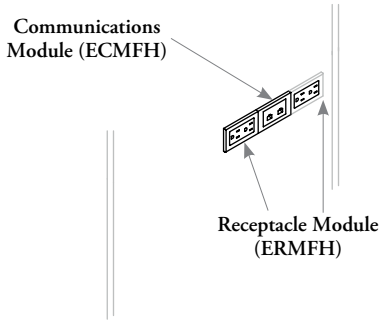


Fascia Cover Cap (FCC)

- Covers any unused fascia cut outs for hardwired electrics

hardwire electric & communications basics (continued)

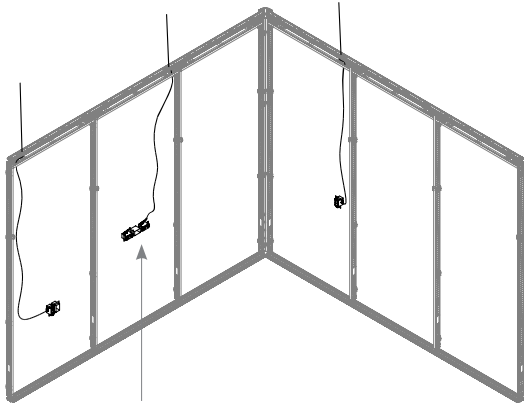
- One size cut out fits both receptacle and Communications Modules
- Any combination of Receptacles or Communications Module are possible



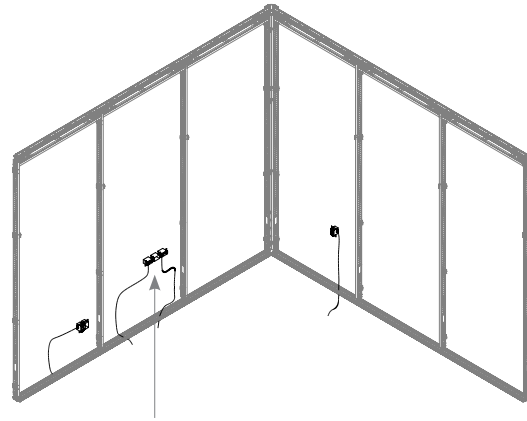
planning power with hardware

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

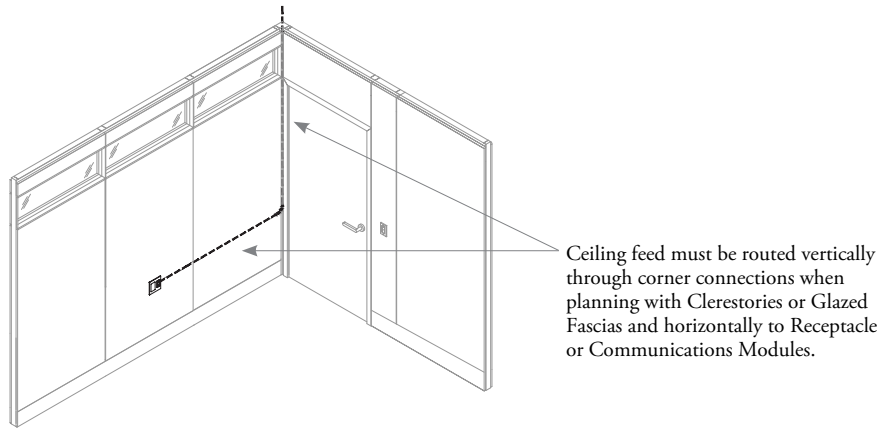
Electrical and communication cables are fed from the ceiling or from access floors through cut outs in the Ceiling or Base Channels to Receptacle and Communications Modules.



Receptacle Modules are pre-wired with a 20'-0" cable and must be connected to building supply by a qualified electrician.



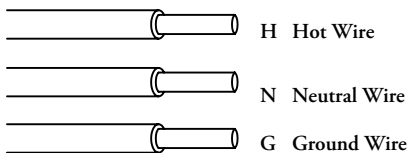
Communications Modules are not pre-wired. All cables must be supplied by the cable contractor.



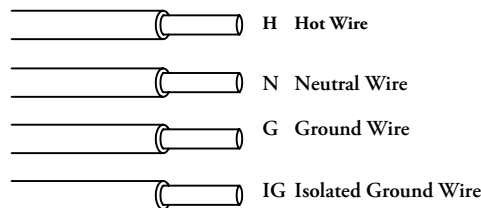
Ceiling feed must be routed vertically through corner connections when planning with Clerestories or Glazed Fascias and horizontally to Receptacle or Communications Modules.

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

Standard Circuit



Isolated Ground Circuit

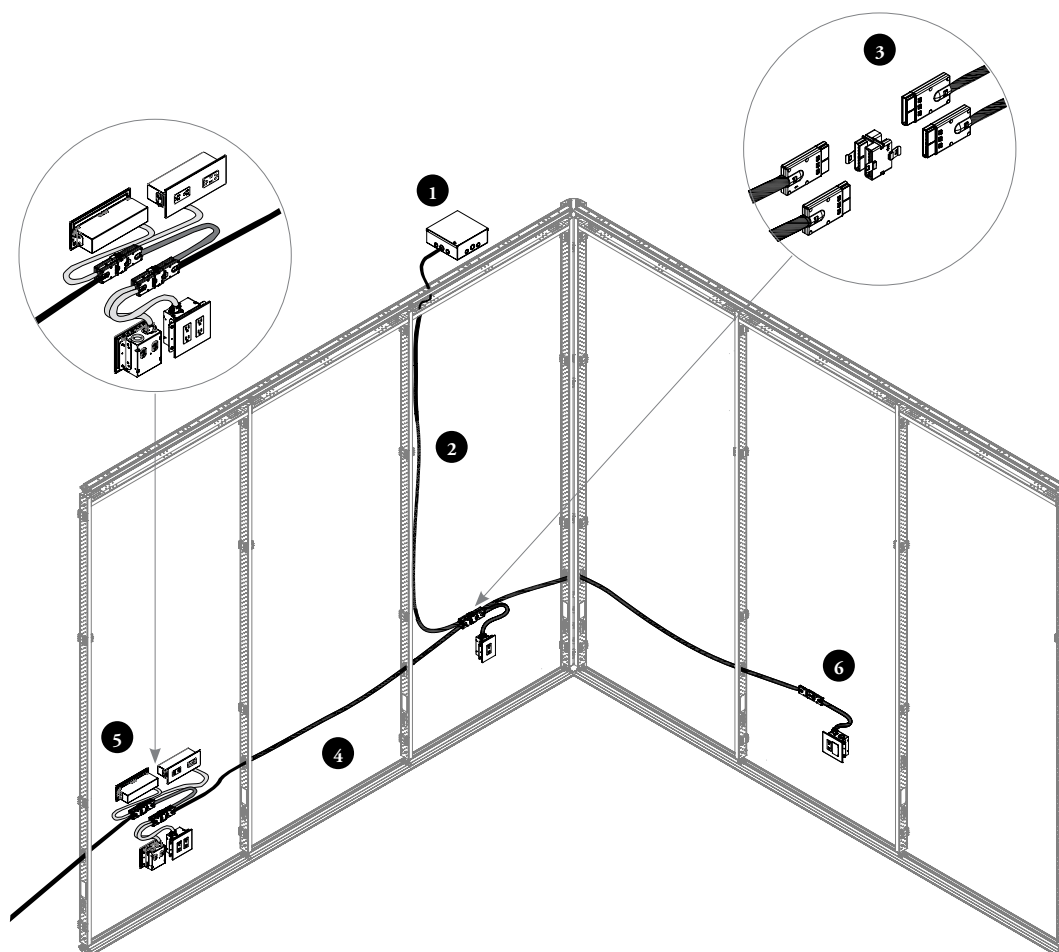


(for isolated ground: orange receptacle)

AI Healthcare Receptacle Modules (ERMFH) 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

AI Healthcare Power Data electrics allows for maximum flexibility and simple reconfiguration.



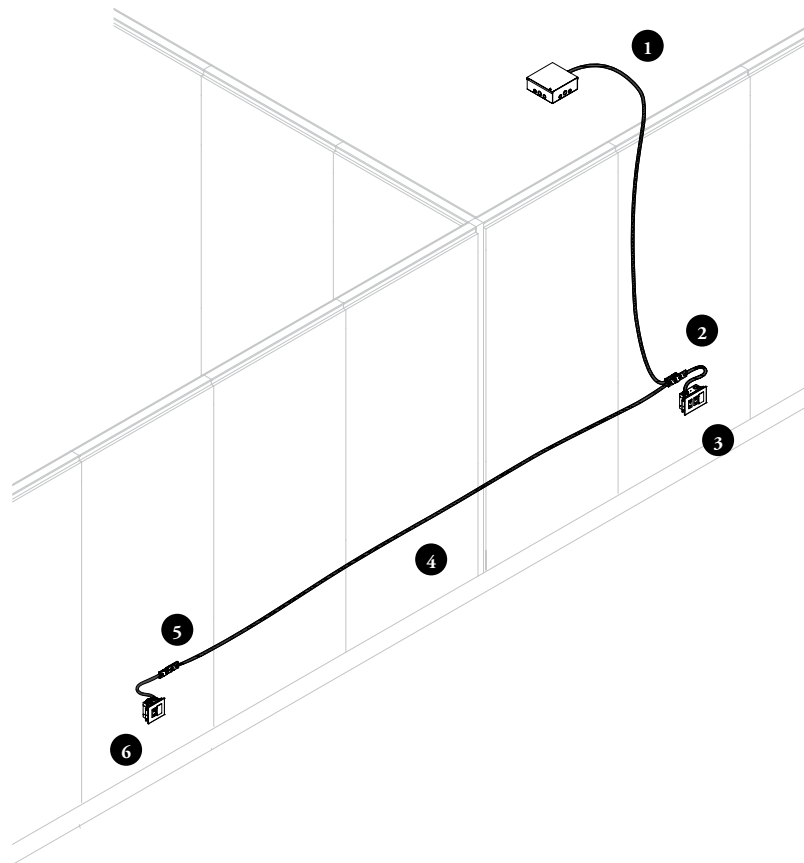
- 1 Power is provided to AI Healthcare walls by a building junction box provided by others
- 2 Power Data Starter Cable (EPDSCFH) connects to the building's junction box (by a certified electrician). Cables are fed from the ceiling or from access floors through cut outs in the ceiling or base channels to the Power Data Modules
- 3 Four-Way Splitters (EPDDBFH) connects to the Starter Cable and allows daisy chaining as well as back-to-back
- 4 Power Data Connecting Harness (EPDCHFH) can be specified to link modules or passing through panels without receptacles
- 5 Modules can be mounted back-to-back to provide power to adjacent rooms
- 6 Reaching other power locations can be accomplished by adding an In-line Connector (EPDICFH) 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 AI Healthcare 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 AI Healthcare 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 cannot be connected with hardwired components
- Electrical connections to the building power supply must be done on site by a certified electrician
- Maximum number of Power Data Modules chained by one feed is limited by electrical loads. This will depend on number of receptacles per Power Module, what will be plugged in to those receptacles, the number of circuits and the local code's requirements. For convenience, limit to four rooms/offices. Please contact your electrical contractor for further assessment



- 1 Power Data Starter Cable (EPDSCFH)
- 2 Power Data Four-Way Splitter (EPDDBFH)
- 3 Power Data Vertical Module – Triple (EPDMTFH)
- 4 Power Data Connecting Harness (EPDCHFH)
- 5 Power Data In-line Connector (EPDICFH)
- 6 Power Data Vertical Module – Double (EPDMDFH)

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 (EPDMCFH)		0	1	No Conduit	Black or White	
Power Data Vertical Module – Single (EPDMSFH)		1	0	18" Long	Black or White	120 volt and 15 amp or 20 amp
Power Data Vertical Module – Double (EPDMDFH)		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 (EPDMTFH)		2	1	18" Long	Black or White	120 volt and 15 amp or 20 amp
Power Data Vertical Module – Quad (EPDMQFH)		3	1	18" Long	Black or White	120 volt and 15 amp or 20 amp
Power Data Horizontal Module - Communication (EPDHCFH)		0	1	No Conduit	Black or White	
Power Data Horizontal Module - Single (EPDHSFH)		1	0	18" Long	Black or White	120 volt and 15 amp or 20 amp
Power Data Horizontal Module - Double (EPDHDFH)		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

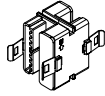
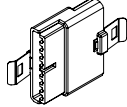
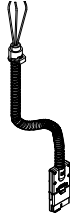
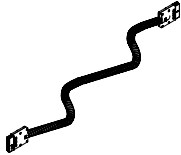
*All data openings include one cover plate for the communication outlet (color to match faceplate).

Connects to building communication network (no power).

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

power data components (continued)

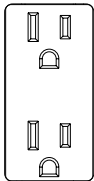
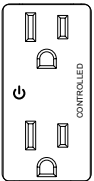
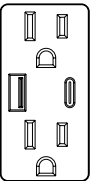
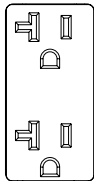
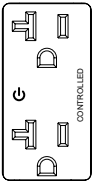
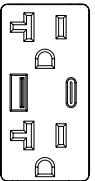
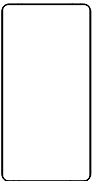
Power data electrics consists of the following components to route power to AI Healthcare panels.

	Description	Visual	Length
Power Data Four-Way Splitter (EPDDBFH)	<ul style="list-style-type: none"> • 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 (EPDICFH)	<ul style="list-style-type: none"> • Routes power between modules, harnesses and/or starter cables 		No conduit
Power Data Starter Cable (EPDSCFH)	<ul style="list-style-type: none"> • 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 (EPDCHFH)	<ul style="list-style-type: none"> • Routes power between Power Data Modules and is non directional • Also connects to Starter Cables for routing power 		Available in 48", 72", 96", 120" and 144" lengths

power data outlets

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

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

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

*USB (A+C)

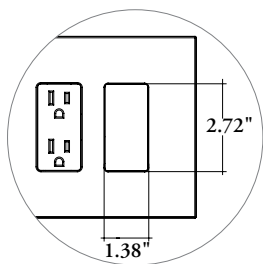
Cable compatibility: USB C
 USB 2.0
 USB 3.0

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:



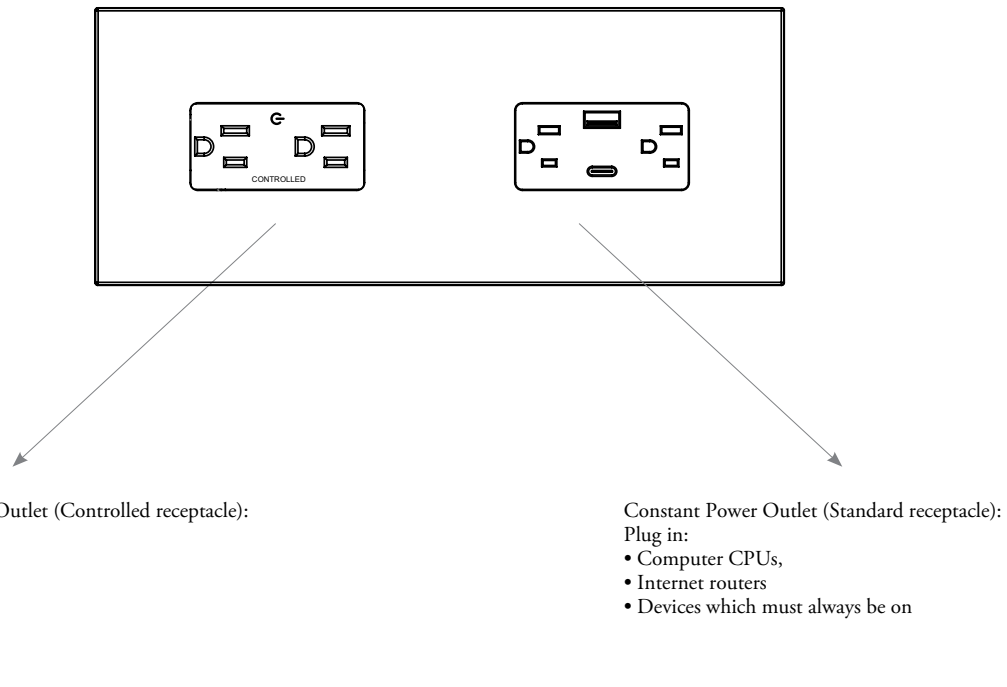
Data opening accepts modular furniture faceplates (supplied by others)

understanding controlled receptacles

AI Healthcare 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 AI Healthcare 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
- AI Healthcare 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 (example. 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"	EPDCHF48
48" to 71"	EPDCHF72
72" to 95"	EPDCHF96
96" to 119"	EPDCHF120
120" to 143"	EPDCHF144
144" to 167"	EPDCHF120, EPDICFH, EPDCHF48
168" to 191"	EPDCHF120, EPDICFH, EPDCHF72
192" to 215"	EPDCHF120, EPDICFH, EPDCHF96
216" to 239"	EPDCHF120, EPDICFH, EPDCHF120
240" to 263"	EPDCHF120, EPDICFH, EPDCHF144
264" to 287"	EPDCHF144, EPDICFH, EPDCHF144

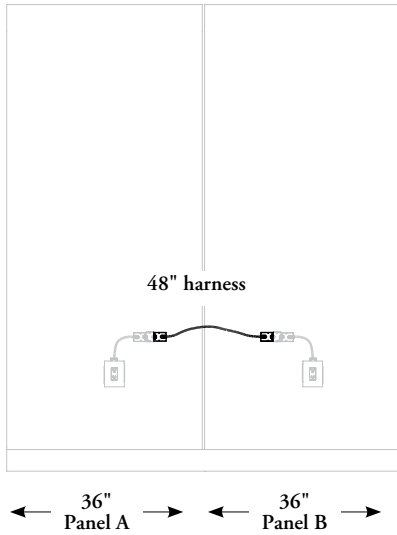


Always remember to include in-line connectors and four-way splitters to connect power data modules and/or harnesses.

determinating harness lengths (continued)

The following examples will further explain these rules:

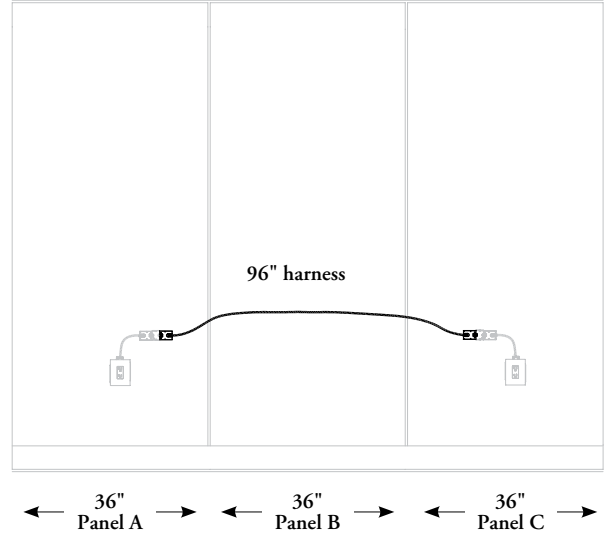
Adjacent panels with Power Data Modules at the same height.



Harness calculation: $\frac{36''}{2} + \frac{36''}{2} = 36'' \rightarrow \text{EPDCHF48}$

A
B
calculated length
product to order

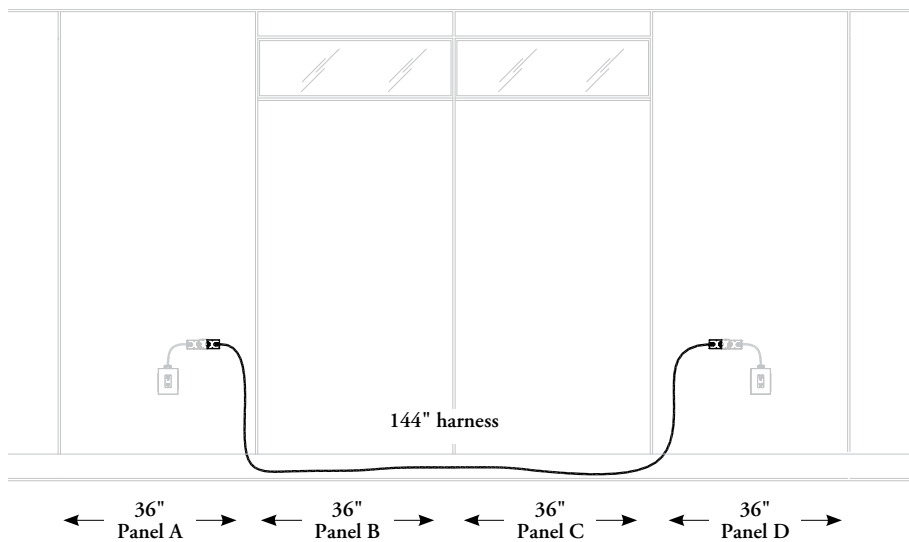
Passing through more than one panel, at the same height.



Harness calculation: $\frac{36''}{2} + 36'' + \frac{36''}{2} = 72'' \rightarrow \text{EPDCHF96}$

A
B
C
calculated length
product to order

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



Harness calculation: $\frac{36''}{2} + 36'' + 36'' + \frac{36''}{2} + 30'' = 138'' \rightarrow \text{EPDCHF144}$

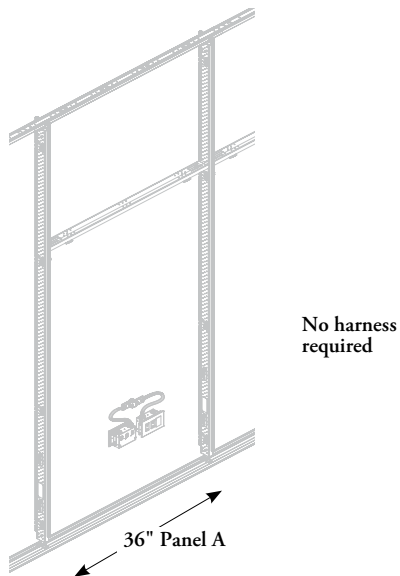
A
B
C
D
drop and rise
calculated length
product to order

When passing through unpowered fascias with obstructions a change of height is necessary to route power at base.

determinating harness lengths (continued)

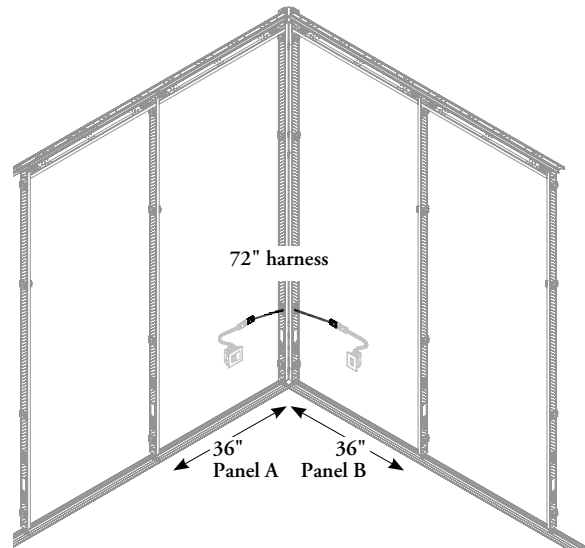
The following outlines the harness lengths required for connecting Power Data Modules.

Back-to-back modules



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

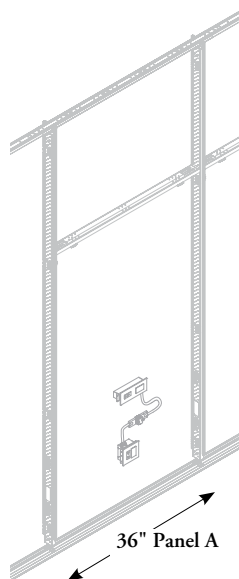
Passing through corner connections



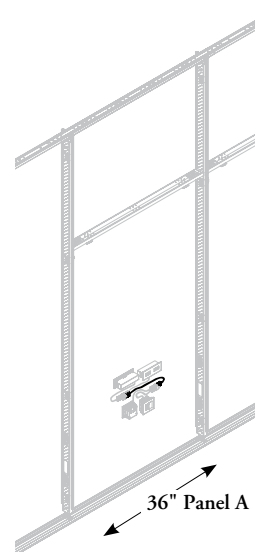
Harness calculation:

$$\underbrace{\frac{36''}{2}}_A + \underbrace{\frac{36''}{2}}_B + \underbrace{14''}_{\text{pass thru post}} = \underbrace{50''}_{\text{calculated length}} \longrightarrow \underbrace{\text{EPDCHF72}}_{\text{product to order}}$$

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



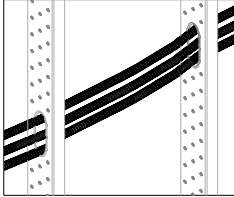
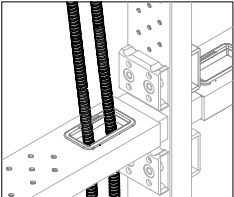
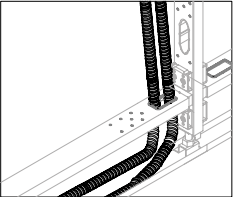
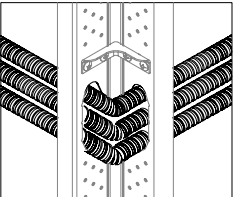
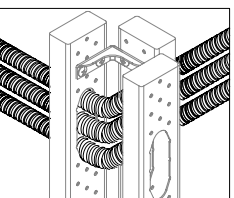
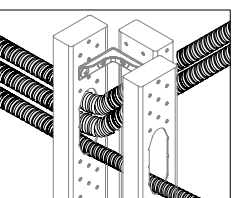
Connecting three or four modules in the same panel



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.

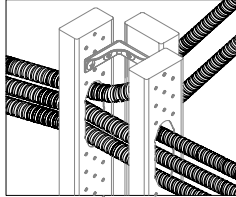
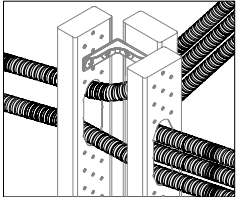
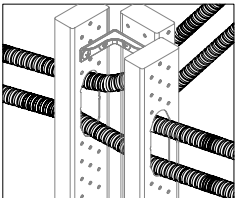
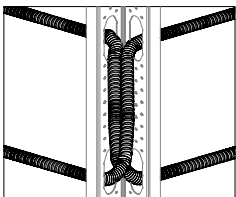
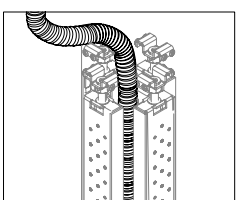
planning with power data power distribution

AI Healthcare 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 Wall End, Adjustable Wall Start and Spine Wall Off-Module do **not** route electrics or communications to adjacent walls

planning with power data power distribution (continued)

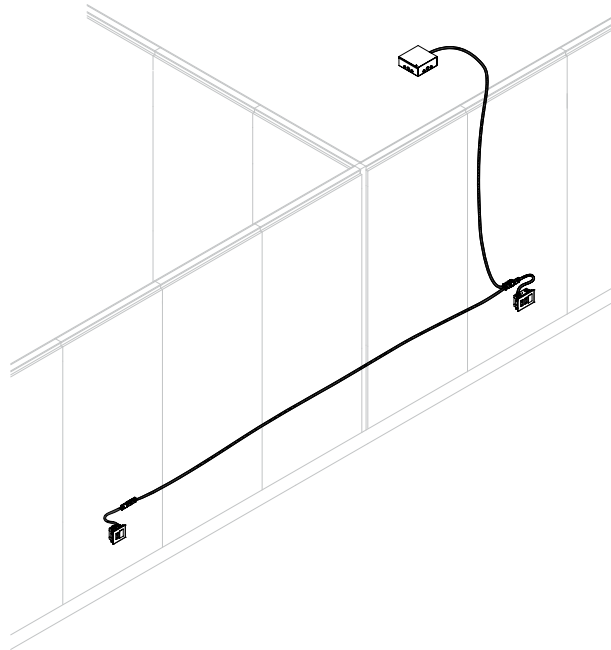
Power path	Number of maximum connectors per cut out	
	Portrait Power Data	Landscape Power Data
<p>Three-Way 90°, through three vertical posts</p> 	3-2-3	3-2-3
<p>Three-Way 90°, through three vertical posts</p> 	2-3-3 as shown	2-2-2 limit
<p>Three-Way 90°, through three vertical posts</p> 	2-2-2	2-2-2
<p>Four-Way, through vertical post Must drop down to make a turn</p> 	1-1	1-1
<p>Routed vertically through corner connection</p> 	1	1

The Wall End, Adjustable Wall Start and Spine Wall Off-Module do **not** route electrics or communications to adjacent walls

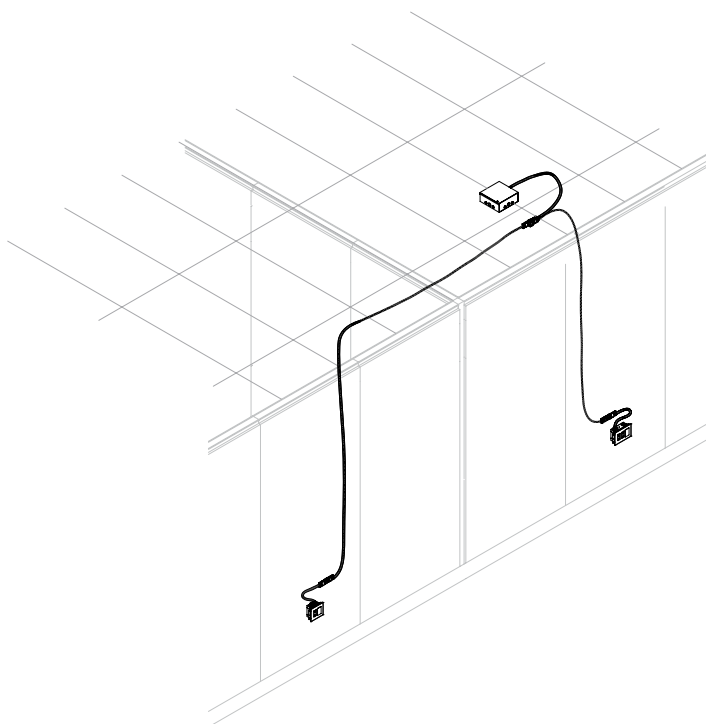
planning with power data power distribution (continued)

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

power distribution inside panels



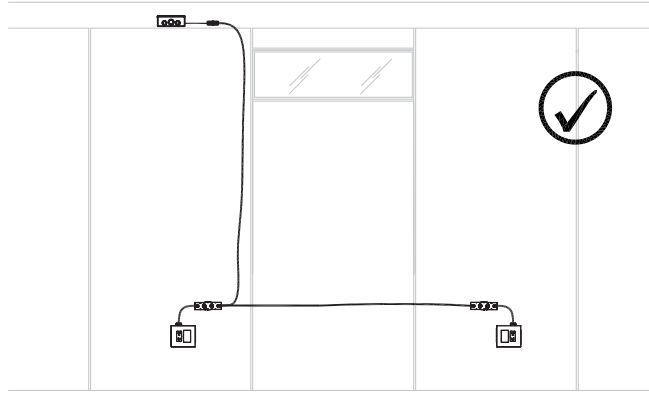
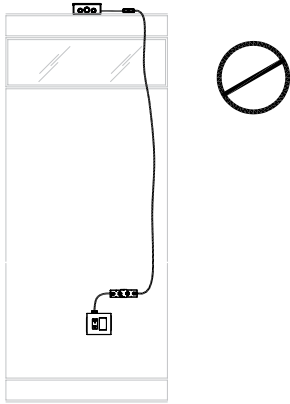
power distribution above ceiling



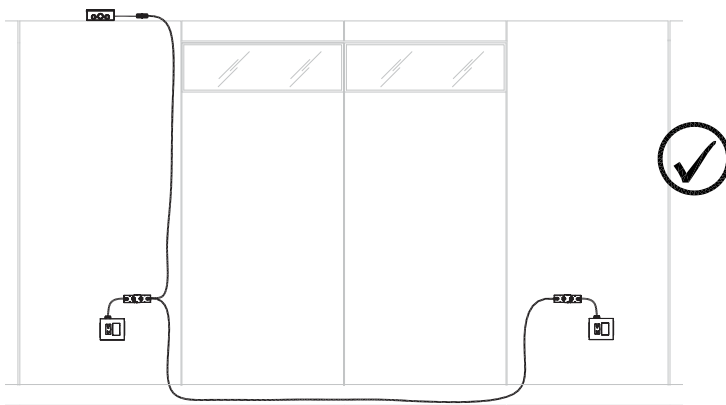
planning with power data power distribution (continued)

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

planning with glass fascias

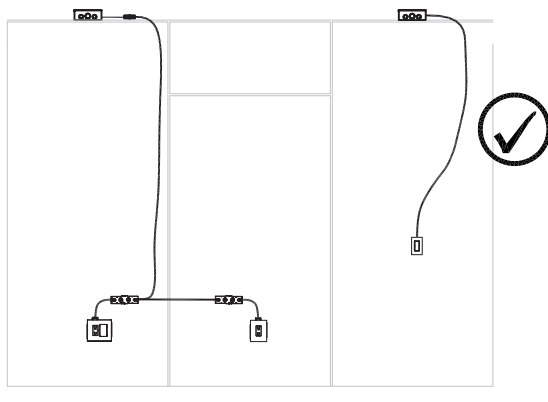


Power data components can be routed through fascia modules.



Power data components can be routed through a base.

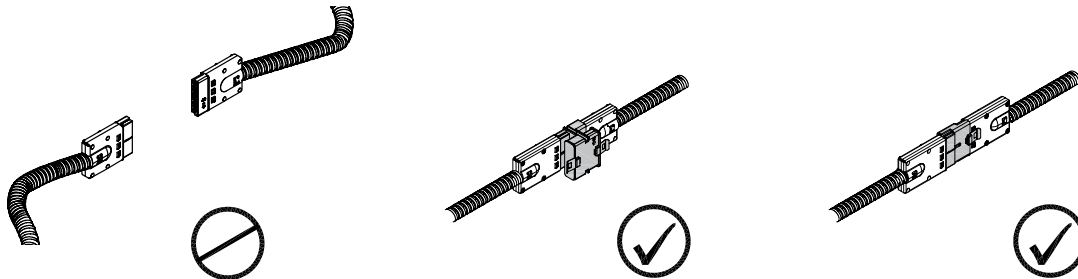
planning with light switches



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.

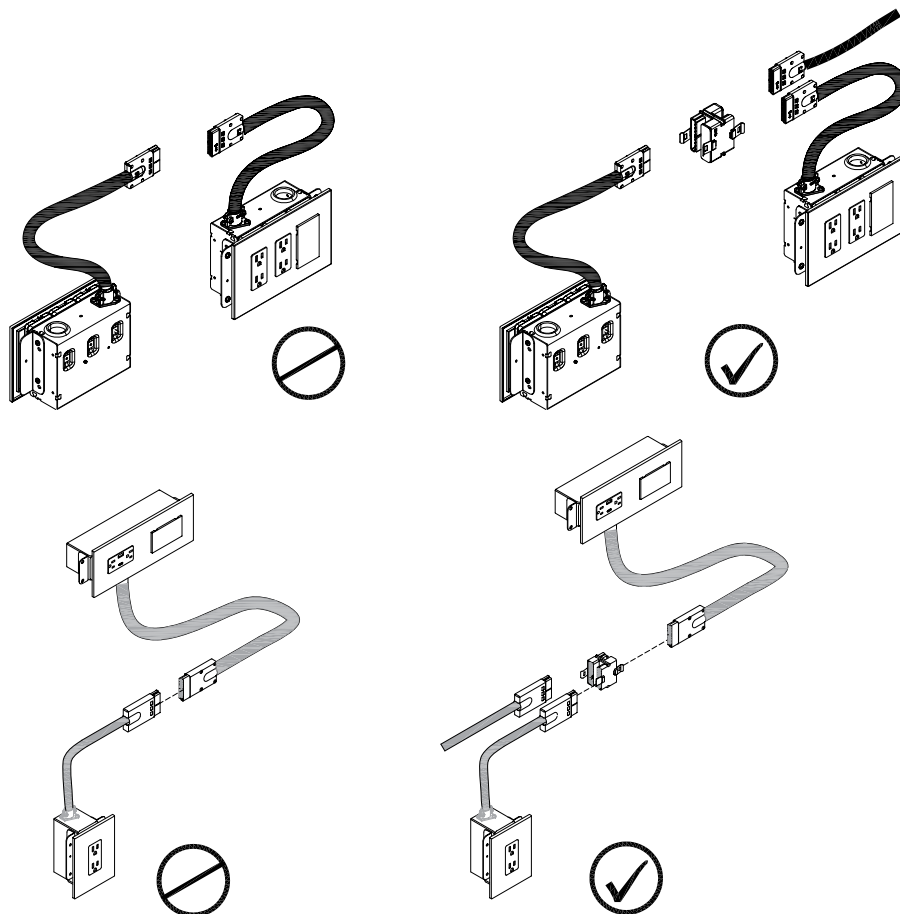
planning with power data power distribution (continued)

harness



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

power data modules



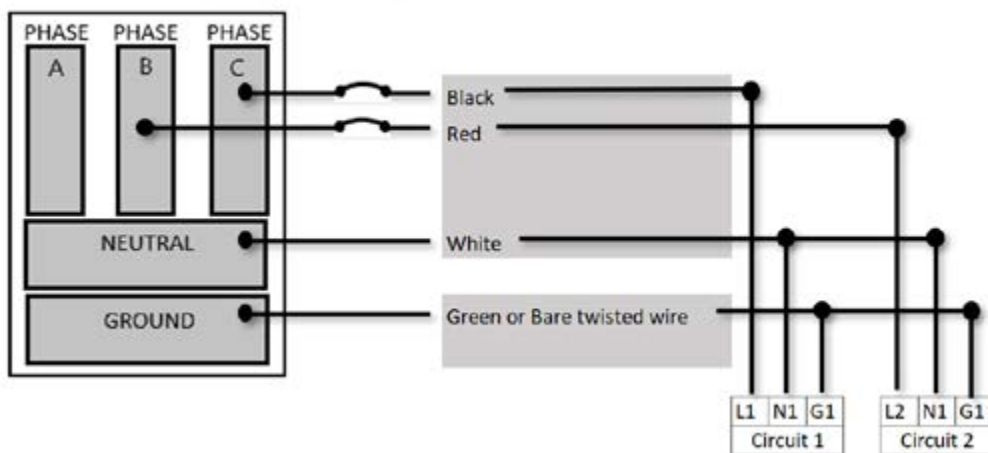
Power data modules cannot be linked together.
A four-way splitter should be specified to connect them.

power data information for electricians

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

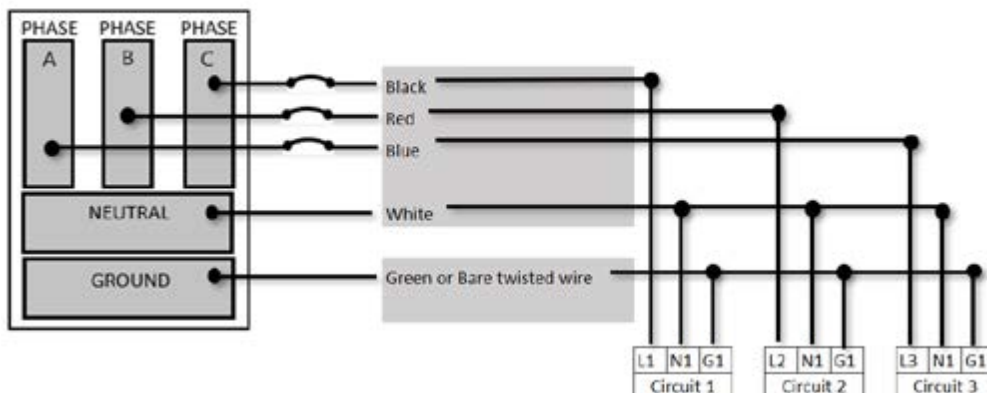
- Five wiring systems are available for power data, 4B, 5D, 7G, 8T and 8K
- It is important to specify each power product accordingly with the wire system in use. Components are marked with the wire system to avoid connecting mismatched parts
- For sites where Isolated Ground is not available, Teknion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

4B 4-wire 2 circuit



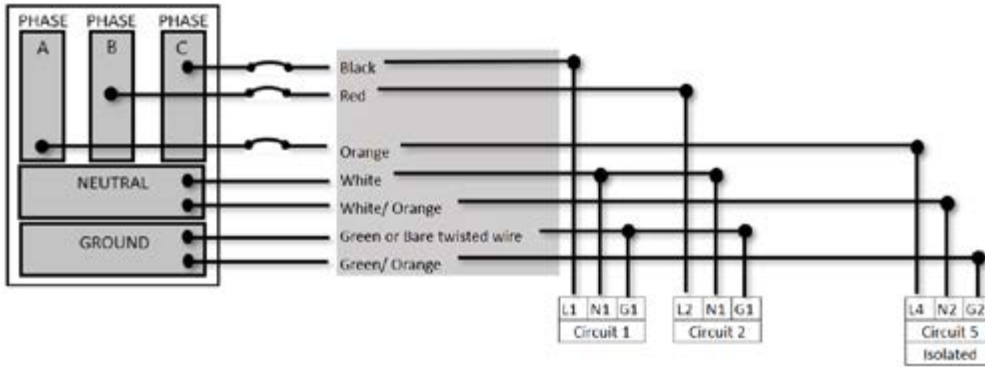
W0204722 12 12/14/20 11:48

5D 5-wire 3 circuit

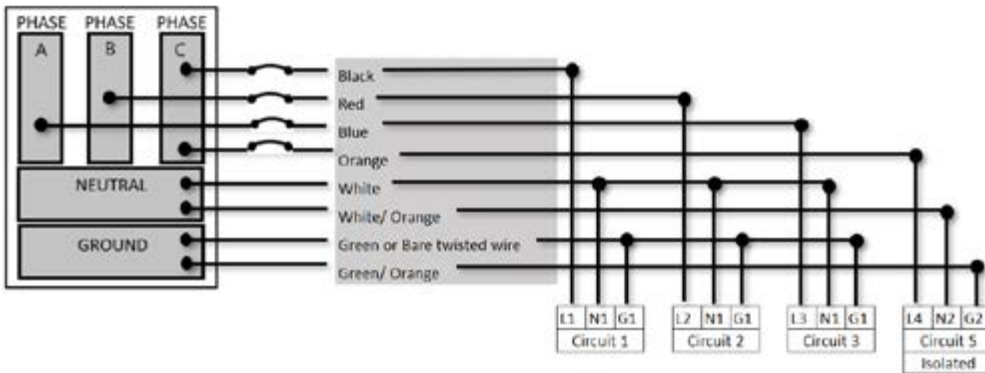


power data information for electricians (continued)

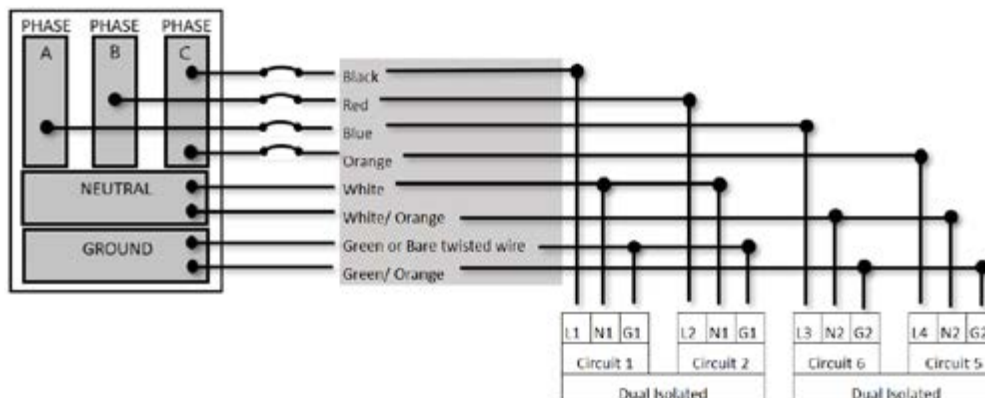
7G 7 Wire 3 circuit (2+1 Isolated Ground)



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

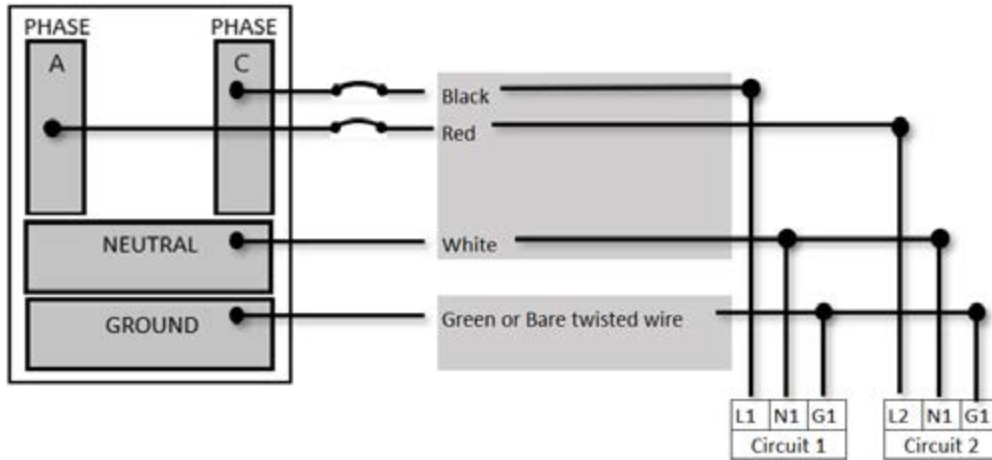


8K 8 Wire 4 circuit (2+2) - Dual isolated

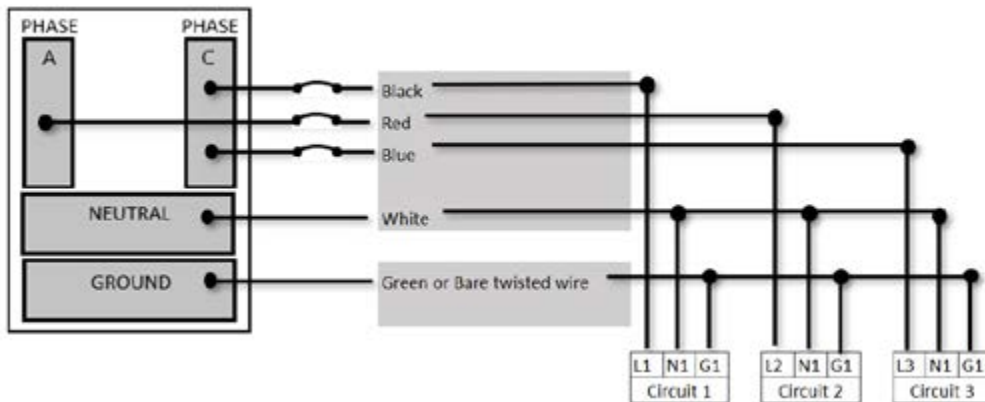


power data information for electricians (continued)

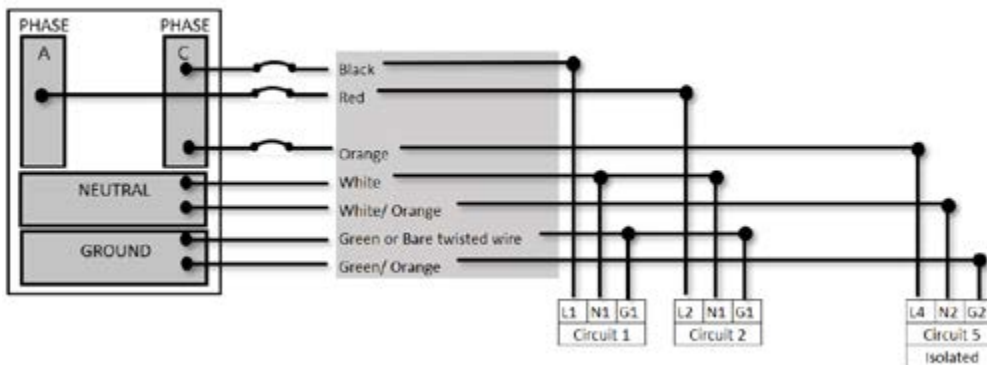
4B 4-wire 2 circuit



5D 5-wire 3 circuit

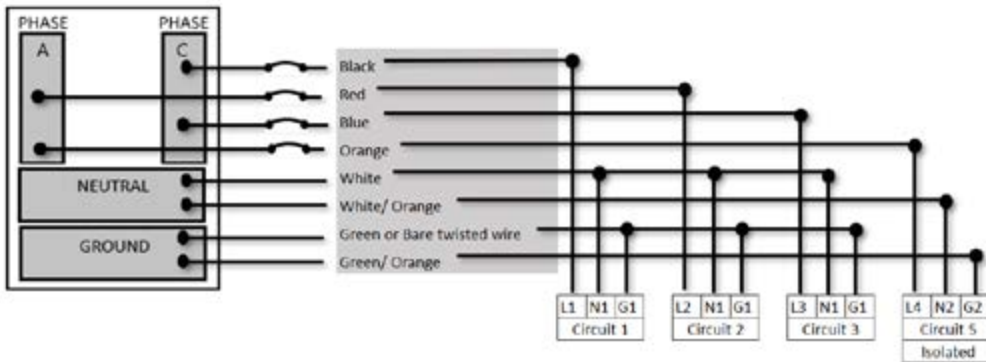


7G 7 Wire 3 circuit (2+1 Isolated Ground)

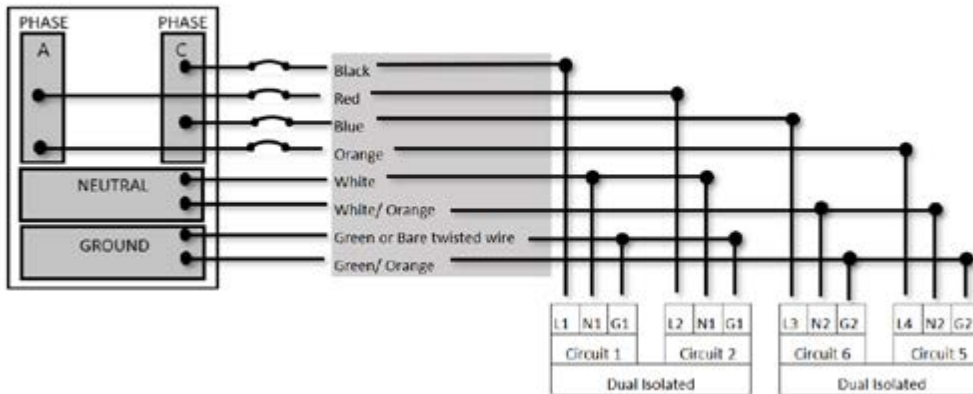


power data information for electricians (continued)

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 choice of wiring per workspace should be determined by end-user requirements and approved by the electrical contractor
- If equipment with hospital grade plugs are in use, contact specials
- Check amperage of specific equipment that will be used

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

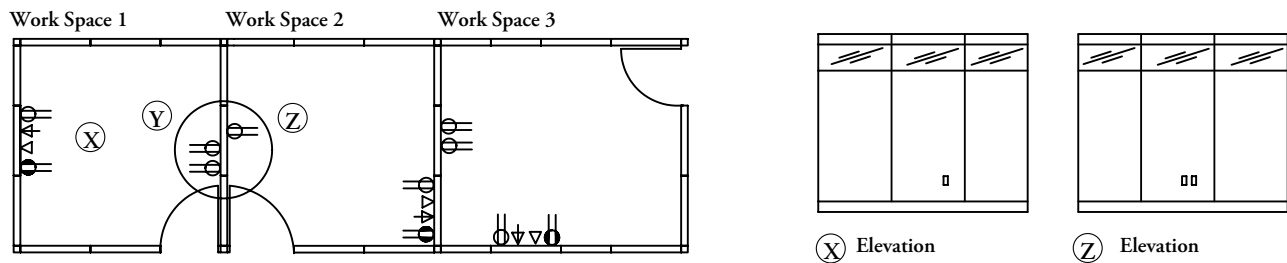


Legend

- ⊖ 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

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

On Elevation Z, build up a Fascias and specify electrics and communications option at 18" height for Fascias



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

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