application guides

panels

panels

panel overview

Panels are the basic building block for which all other system components are dependent to create a comprehensive environment. The following outlines the basic features of all T/O/S panels.

T/O/S offers three panel types – Power Panel (PE), Modular Power Panel (PM) and Super Panel (PX)

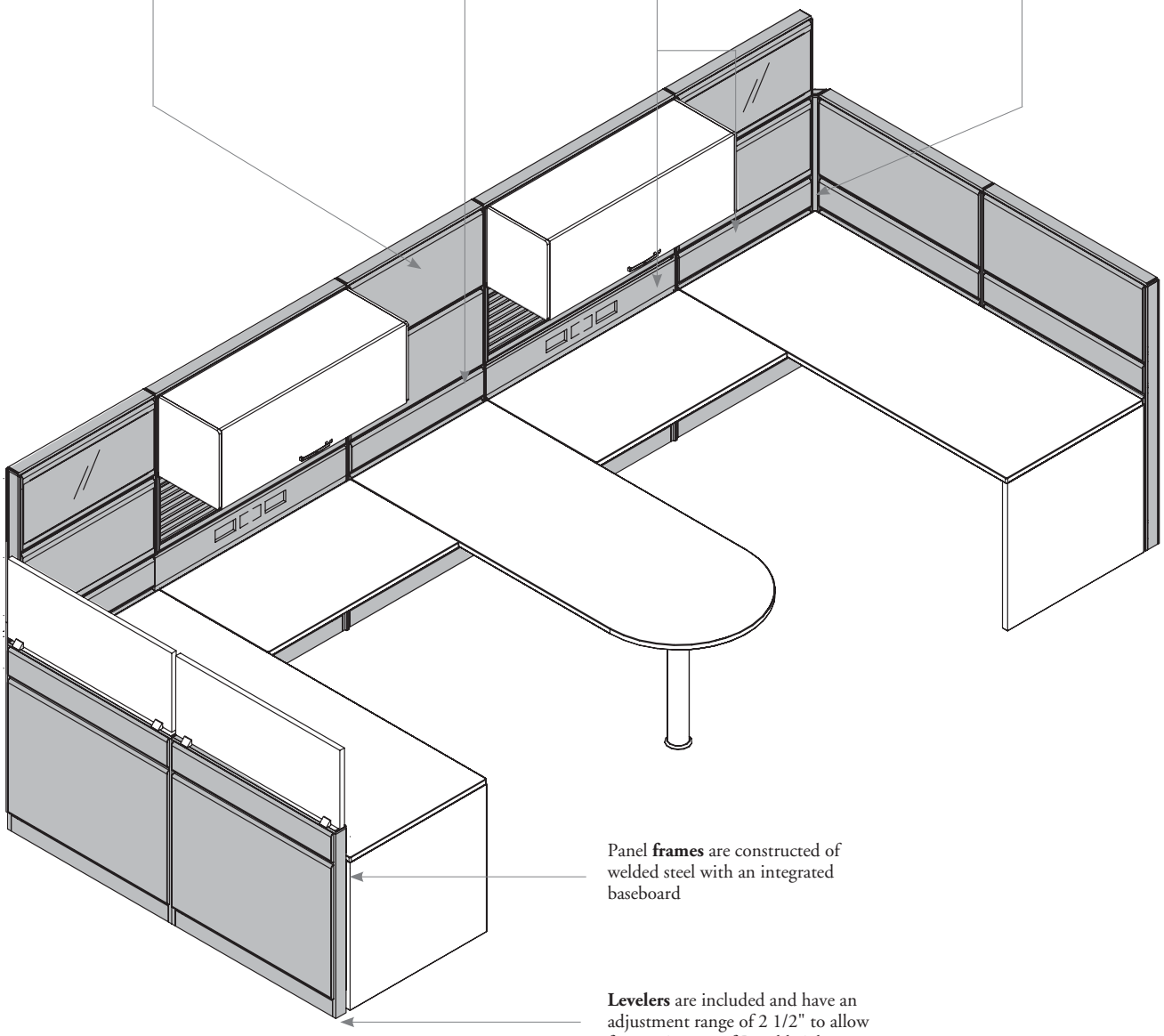
A variety of optional element types are available

Acoustic Elements (PAA) are the default elements for both inner and outer sides of the panels

An **enclosed raceway** is included on all panels at to carry power and communication cables: the raceway provides a conduit that allows for installation of outlets, enabling access at worksurface height

Power and communications access is provided through the access door, access cover or face-mounted

Pass Through Holes are punched into the frame structure to enable the passage of communication cables. Up to 60 Category 5 communication cables can be accommodated in each hole power/communication element



Panel **frames** are constructed of welded steel with an integrated baseboard

Levelers are included and have an adjustment range of 2 1/2" to allow for consistency of Panel height

power panel basics

The Power Panel (PE) is an economical single-frame panel, non-segmented above 36", which supports a limited portion of the Element Program and provides both power pass-through and power access capabilities.

- When adding an Add-On Module (PX, PXL15. PXD) to a 36" or 42" high panel with existing wiring, a special bracket is required. Please contact your Teknion Customer Service Representative for more information
- Overhead storage must be hung on-module using on-module brackets on any panel or 15" add- on panel

Finishes

- Frame and metal top trim are available in Foundation and Mica colors
- Flintwood top trim is available in Flintwood stains

- The **frame** can be ordered as a bare frame with all elements and trim ordered separately or as a complete panel when a panel matrix is used
- Is **not** segmented above 36" height
- Cannot be decreased from original height specified however, can be increased
- Bare frames do not include top trims
- *Lay-in option includes a lay-in channel at the top of the panel for routing communications cables

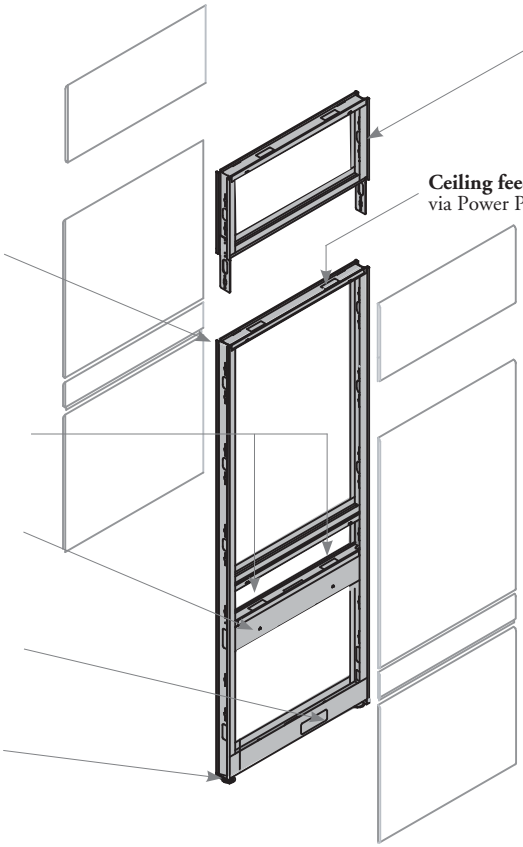
* (Not compatible with PAG, PTS or PTN Elements)

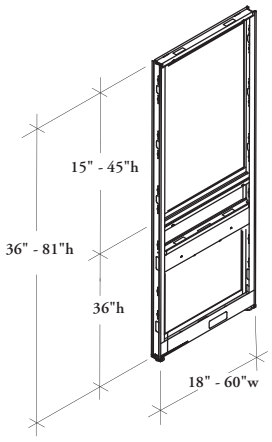
There are two **knockouts** in each raceway for outlets, enabling access to power at worksurface height

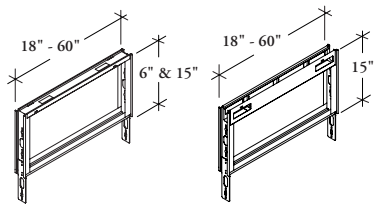
The **raceway** is an enclosed area used to carry power and communications cabling

A **base feed knockout** is included per side of the Panel

Levelers offer a 2 1/2" adjustment range





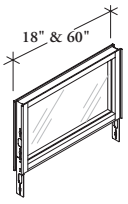


Without lay-in **With lay-in**

Add-On Modules (PX, PXL15, PXD)

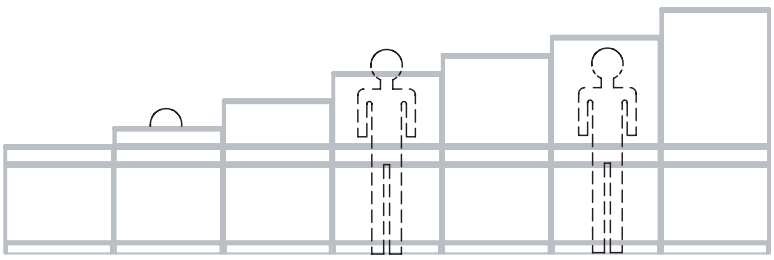
- Can be applied to the top of any Panel to increase height (42" high panels require PXD)
- Multiple 15" add- on modules can be applied on a panel to increase height
- Only one 6" add-on module can used on a panel and must be at the top of each Panel. 6" add- on modules **cannot** be used to support overhead storage
- **With Lay-In** (PXL15 or PXD-2) includes a lay-in channel for routing communication cables
- Must be specified at Level 2 or higher

Alternative to Add-On Modules:



Over Panel (PO)

- Is a custom Glass Element within a frame available in a Clear or Frosted finish
- Must be specified at the top level and can extend to the ceiling



36" height: below worksurface privacy | **42" height: partial seated privacy** | **51" height: full seated privacy** | **60" height: full seated privacy and partial standing privacy** | **66" height: partial standing privacy** | **72" height: full standing privacy** | **81" height: full standing privacy**

modular power panel basics

The Modular Power Panel (PM) is a single-frame Panel, segmented above 36" which supports the full Element Program and provides both power pass-through and power access capabilities.

- Includes a horizontal rail at every 15" increment above 36"
- When adding an Add-On Module (PX, PXL15) to a 36" or 42" high panel with existing wiring, a special bracket is required. Please contact your Teknion Customer Service Representative for more information
- Overhead storage can be hung on- or off-module on any panel or 15" add- on module

Finishes

- Frame and metal top trim are available in Foundation and Mica colors
- Flintwood top trim is available in Flintwood stains

- The **frame** can be ordered as a bare frame with all elements and trim ordered separately or as a complete panel when a panel matrix is used
- Is segmented above 36" height
- Cannot be decreased from original height specified however, can be increased
- Bare frames do not include top trims
- * Lay-in option includes a lay-in channel at the top of the panel for routing communications cables

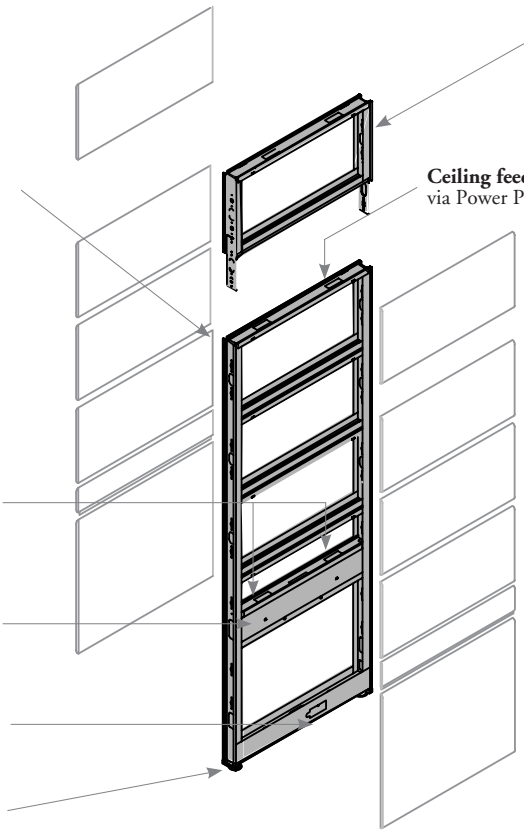
* (Not compatible with PAG, PTS or PTN Elements)

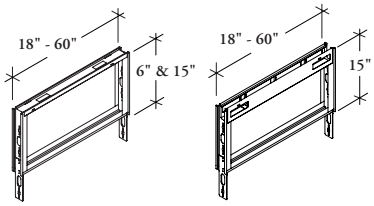
There are two **knockouts** in each raceway for outlets

The **raceway** is an enclosed area at used to carry power and communications cabling, enabling access at worksurface height

A **base feed knockout** is included per side of the Panel

Levelers offer a 2 1/2" adjustment range



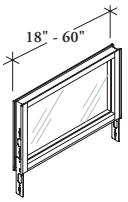


Without lay-in With lay-in

Add-On Modules (PX, PXL15, PXD)

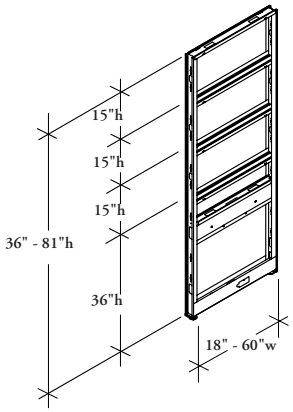
- Can be applied to the top of any Panel to increase height (42" high panels require PXD)
- Multiple 15" add- on modules can be applied on a panel to increase height
- Only one 6" add-on module can used on a panel and must be at the top of each Panel. 6" add- on modules **cannot** be used to support overhead storage
- **With Lay-In** (PXL15 or PXD-2) includes a lay-in channel for routing communication cables
- Must be specified at Level 2 or higher

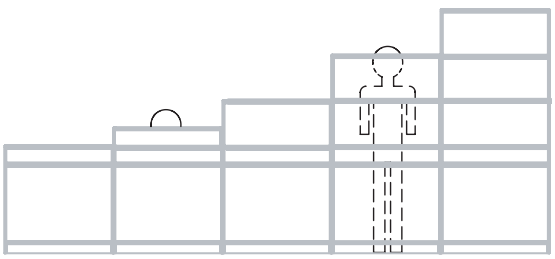
Alternative to Add-On Modules:



Over Panel (PO)

- Is a custom Glass Element within a frame available in a Clear or Frosted finish
- Must be specified at the top level and can extend to the ceiling





36" height: below worksurface privacy | 42" height: partial seated privacy | 51" height: full seated privacy | 66" height: partial standing privacy | 81" height: full standing privacy

super panel basics

The Super Panel (PX) allows maximum panel-height flexibility. It is made up of individual 15" segments from 36" up which supports the full Element Program and provides both power pass-through and power access capabilities.

- Includes a horizontal rail at every 15" increment above 36"
- When adding an Add-On Module (PX, PXL15) to a 36" or 42" high panel with existing wiring, a special bracket is required. Please contact your Teknion Customer Service Representative for more information
- Overhead storage can be hung on- or off-module on any panel or 15" add-on panel

Finishes

- Frame and metal top trim are available in Foundation and Mica colors
- Flintwood top trim is available in Flintwood stains

- The **frame** can be ordered as a bare frame with all elements and trim ordered separately or as a complete panel when a panel matrix is used
- Is segmented above 36" height
- Can be decreased in height down to 36"
- Bare frames do not include top trims
- *Lay-in option includes a lay-in channel at the top of the panel for routing communications cables

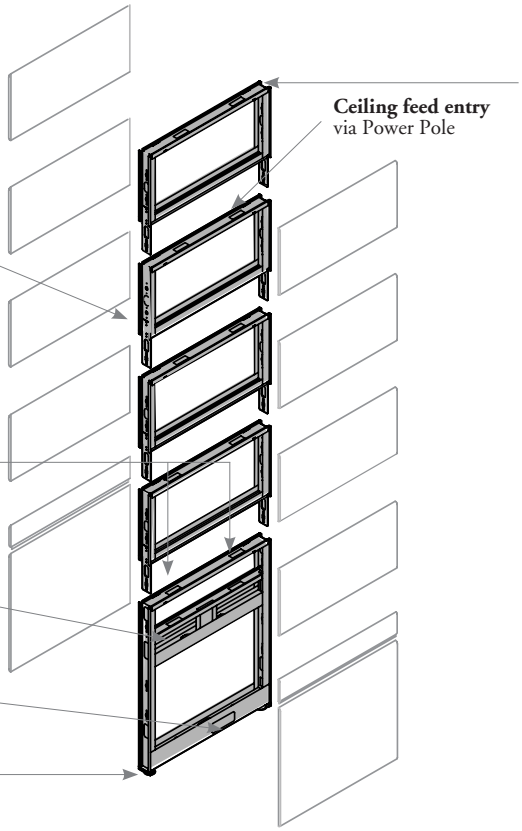
* (Not compatible with PAG, PTS or PTN Elements)

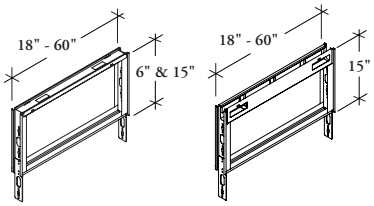
There are two **knockouts** in each raceway for outlets enabling access to worksurface cabling

The **raceway** is an enclosed area at 36" high used to carry power and communications cabling

A **base feed knockout** is included per side of the Panel

Levelers offer a 2 1/2" adjustment range



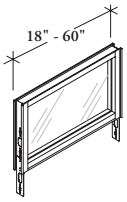


Without lay-in **With lay-in**

Add-On Modules (PX, PXL15)

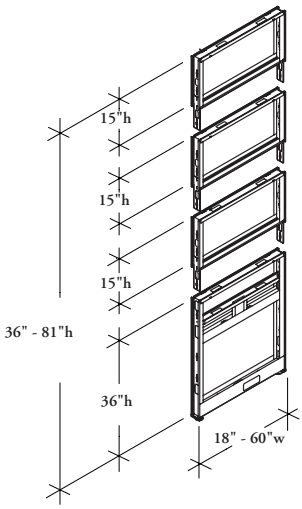
- Can be applied to the top of any Panel to increase height
- Multiple 15" add- on modules can be applied on a panel to increase height
- Only one 6" add- on module can be used on a panel and must be at the top of each Panel. 6" add- on modules **cannot** be used to support overhead storage
- **With Lay-In** (PXL15) includes a lay-in channel for routing communication cables
- Must be specified at Level 2 or higher

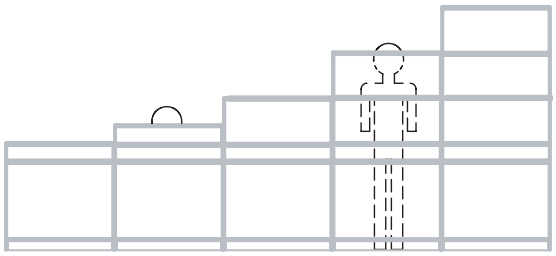
Alternative to Add-On Modules:



Over Panel (PO)

- Is a custom Glass Element within a frame available in a Clear or Frosted finish
- Must be specified at the top level and can extend to the ceiling



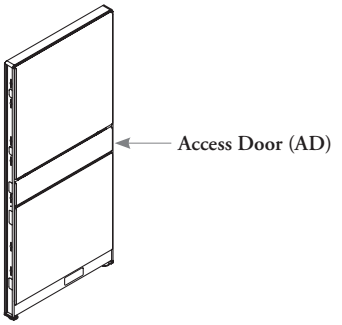


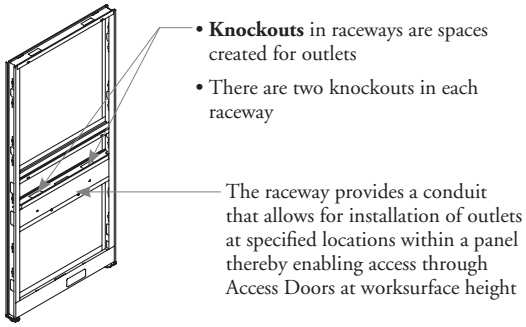
36" height: below worksurface privacy | **42" height: partial seated privacy** | **51" height: full seated privacy** | **66" height: partial standing privacy** | **81" height: full standing privacy**

planning with panels

The following should be taken into consideration when planning with T/O/S panels.

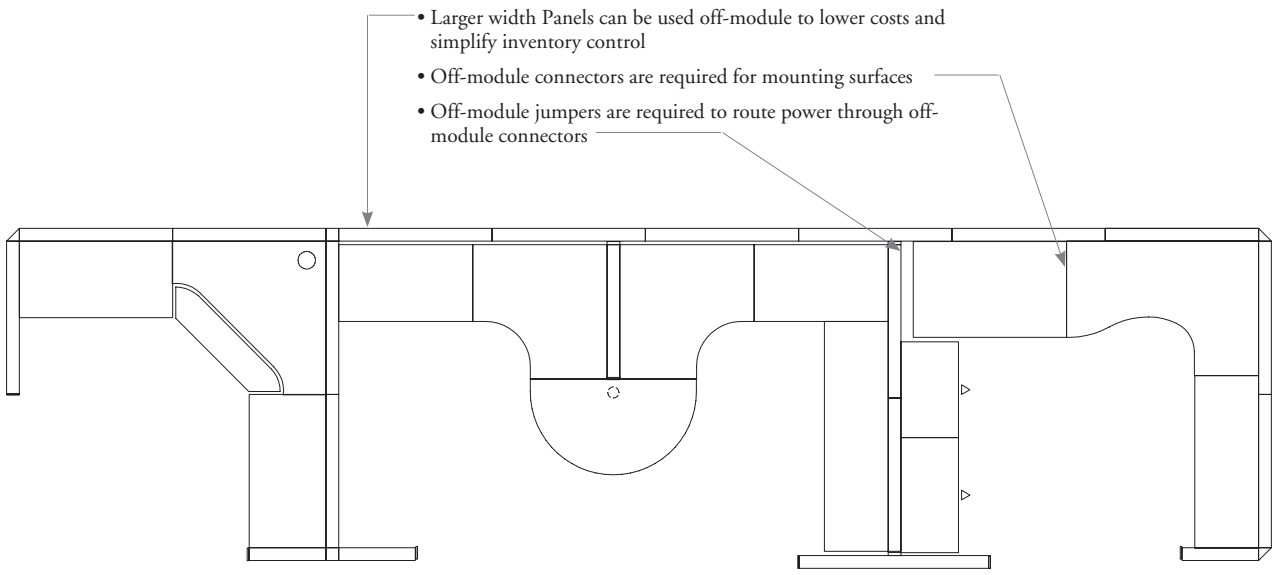
raceways





A raceway is an enclosed area within a panel used to carry power and communications cables

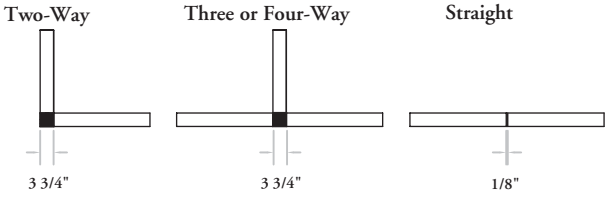
off-module planning



panel creep

- Panel creep is the incremental dimensional increase created by straight panel runs and panel connections
- Panel creep should be accommodated in the planning process to ensure successful installations

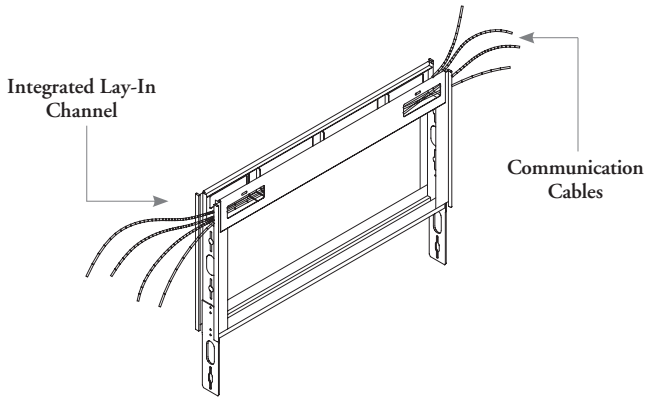
standard corners



planning with the add-on lay-in

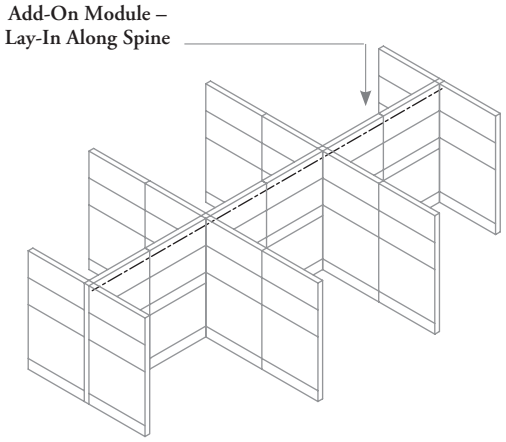
The Add-On Module – Lay-In provides increased integrated communication cable carrying capacity. It can be applied to the top of any T/O/S Panel type.

- Provides increased communications cabling capacity when added to top of any Panel
- Accepts a limited portion of the T/O/S Element Program
- Elements and top trim are specified separately as part of the Panel Matrix Order Form
- Electrics **cannot** be run in lay-in trough



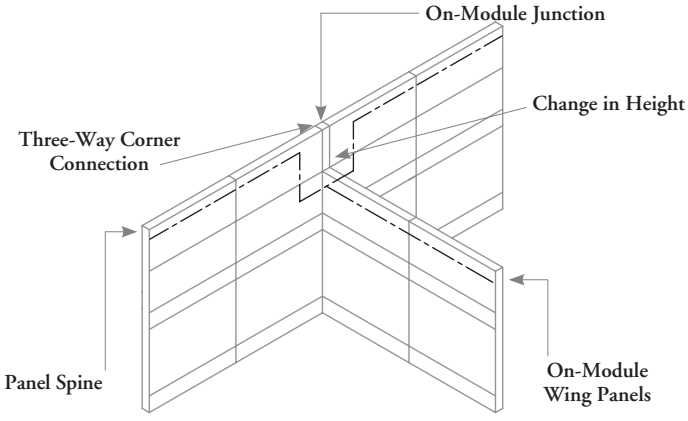
integrated lay-in channel

- Has an integrated 1 1/4" with a 3" high lay-in channel for routing communication cables
- The intended capacity of this trough is 60 Cat 5 cables



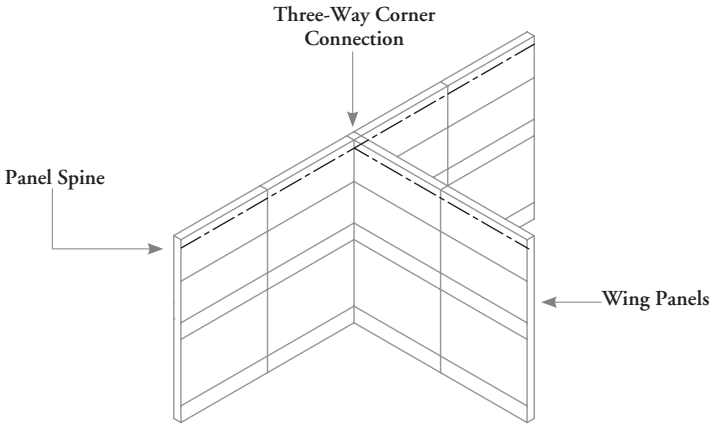
add-on module lay-in along spine

The primary application of the Add-On Module – Lay-In is along the spine of same height T/O/S Panels. In this use, a continuous cable trough is created



cable management

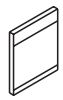
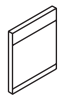
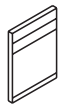
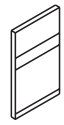
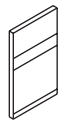
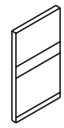
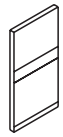
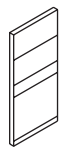
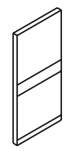
- Wing Panels maintain cable routing capability when located on-module
- Changes in wing Panel height may reduce the cable capacity of the Add-On Module Lay-In



The cable capacity of the Add-On Module Lay-In will be reduced at all corners

element/panel compatibility chart

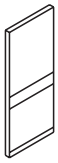
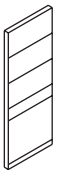
Please use the chart below to determine which elements can be used at different panel frame levels.

Panel Height		Frame Style	Element Height											
			PAA	PAAS	PAAB PAASB	PTA PTAS	AD ADSC APC APCS	ADH PADE/P	PTS	PTD PAGS/D PTN	PAE	PHF PAME/P	PAWM PAWS	PVE
36"		PE	26	n/a	26, 32	n/a	06	06	n/a	n/a	n/a	26	n/a	26
		PM	26, 36	n/a	26, 32	n/a	06	06	n/a	n/a	n/a	26	n/a	26
		PX	26	n/a	26, 32	n/a	06	06	n/a	n/a	n/a	26	n/a	26
42"		PE	06, 26	06	26, 32	06	06	06	n/a	n/a	06	26	n/a	06, 26
51"		PE	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15	15, 26
		PE_2	15, 26	15	26, 32	15	06	06	n/a	n/a	15	15, 26	15	15, 26
		PM	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15	15, 26
		PM_2	15, 26	15	26, 32	15	06	06	n/a	n/a	15	15, 26	15	15, 26
		PX	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15	15, 26
60"		PE	24, 26	24	26, 32	24	06	06	n/a	n/a	n/a	26	n/a	26
66"		PE	26, 30	30	26, 32	30	06	06	n/a	n/a	n/a	26	30	26
		PM	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15, 30	15, 26
		PM_2	15, 26	15	26, 32	15	06	06	n/a	n/a	15	15, 26	15, 30	15, 26
		PX	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15, 30	15, 26
72"		PE	26, 30	36	26, 32	36	06	06	n/a	n/a	n/a	26	n/a	26

PE = Power Panel | PM = Modular Power Panel | PX = Super Power Panel

element/panel compatibility chart (continued)

Please use the chart below to determine which elements can be used with Panel Add-Ons.

Panel Height		Frame Style	Element Height											
			PAA	PAAS	PAAB PAASB	PTA PTAS	AD ADSC APC APCS	ADH PADE/P	PTS	PTD PAGS/D PTN	PAE	PHF PAME/P	PAWM PAWS	PVE
81"		PE	26, 45	45	26, 32	45	06	06	n/a	n/a	n/a	26	n/a	26
		PM	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15, 30	15, 26
		PM_2	15, 26	15	26, 32	15	06	06	n/a	n/a	15	15, 26	15, 30	15, 26
		PX	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15, 30	15, 26

Add-On Height		Frame Style	Element Height										
			PAA PAAS	PAAB PAASB	PTA PTAS	AD ADSC APC APCS	ADH PADE/P	PTS PTD PTN PHF	PTD PAGS/D PTN	PAE	PAME/P	PAWM PAWS	PVE
06"		PX	06	n/a	06	n/a	n/a	n/a	n/a	06	n/a	n/a	06
		PXD	06	n/a	06	n/a	n/a	n/a	n/a	06	n/a	n/a	06
15"		PX	15	n/a	15	n/a	n/a	15	15	15	15	15	15
		PXD	15	n/a	15	n/a	n/a	15	15	15	15	15	15
		PXD_2	15	n/a	15	n/a	n/a	n/a	n/a	15	15	15	15
		PXL	15	n/a	15	n/a	n/a	n/a	n/a	15	15	15	15

PE = Power Panel | PM = Modular Power Panel | PX = Super Power Panel

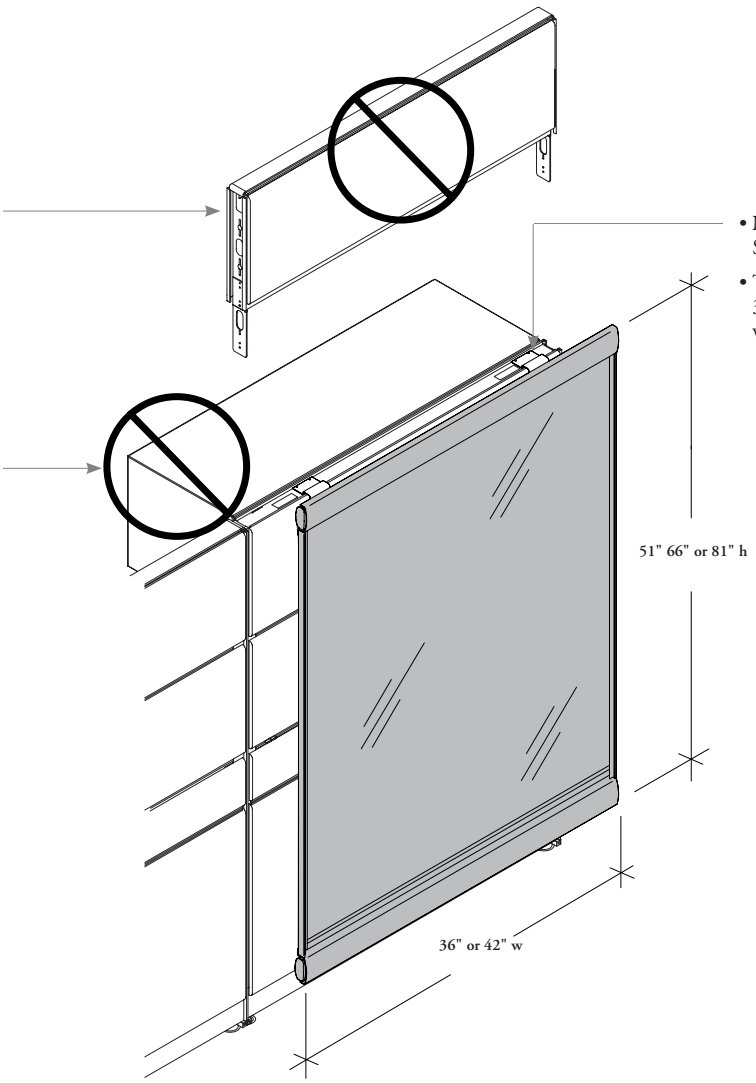
privacy screen basics

The Privacy Screen (PPSF) is a lightweight, translucent panel-mounted, sliding partition.

- Must be mounted on adjacent Panels of the same height
- The total combined width of the adjacent panels must be equal to or greater than the screen width
- May be same width or wider than opening to be covered
- Cannot mount to 30" wide Panels; mounting brackets interfere with panel connections
- The Privacy Screen is not load bearing
- Direction in which the door will slide can be changed in the field
- Comes complete with caps and mounting hardware

Add-On Modules (PX) and **Over Panels (PO)** cannot be applied on the top of the Panel to which the Privacy Screen is mounted

Overhead Cabinets cannot be mounted using off-module brackets on the same Panel as the Privacy Screen

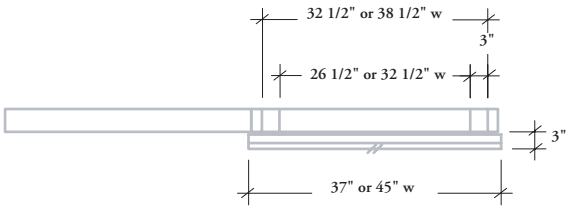


- **Mounting Bracket**s for Privacy Screens are 3" deep
- The face of the Privacy Screen sits 3" from the face of the Panel to which it is attached

Finishes

- Screen has a lightweight translucent finish
- Frame is available in Foundation and Mica Colors
- Caps located at the end of the frame will match the Foundation finish color selected for the frame. If Mica frame is selected, caps will be Black

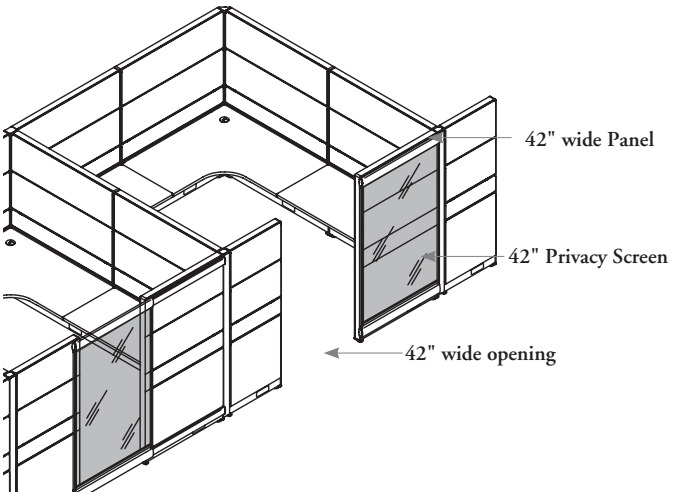
This diagram illustrates the location of the mounting brackets and demonstrates why the 30" wide panel cannot be used



Actual Screen Size

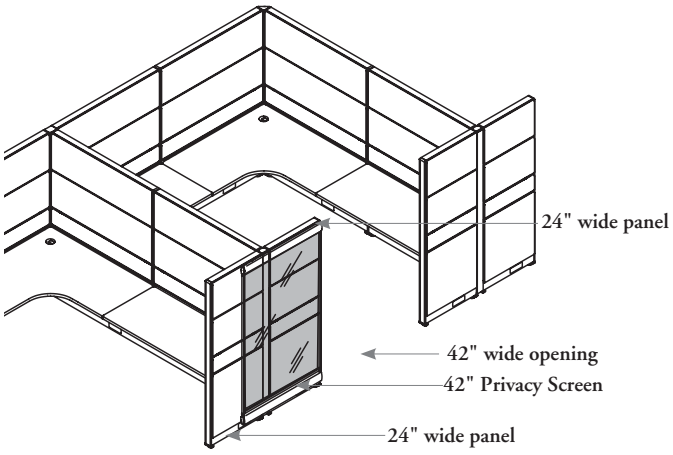
planning with privacy screens

The following scenarios illustrate typical Privacy Screen applications.



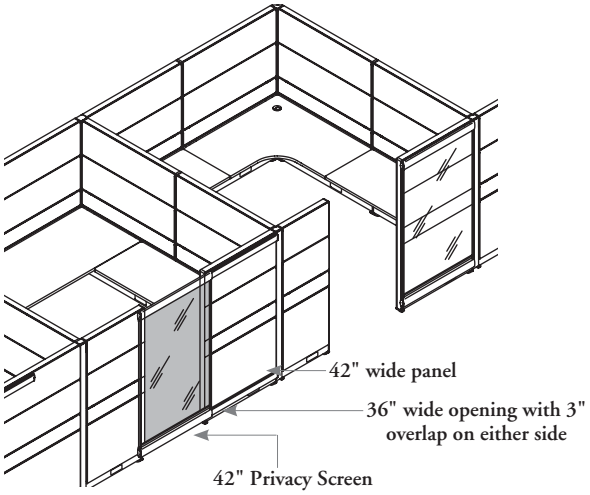
screen and opening same width

Privacy Screen slides to completely cover an opening



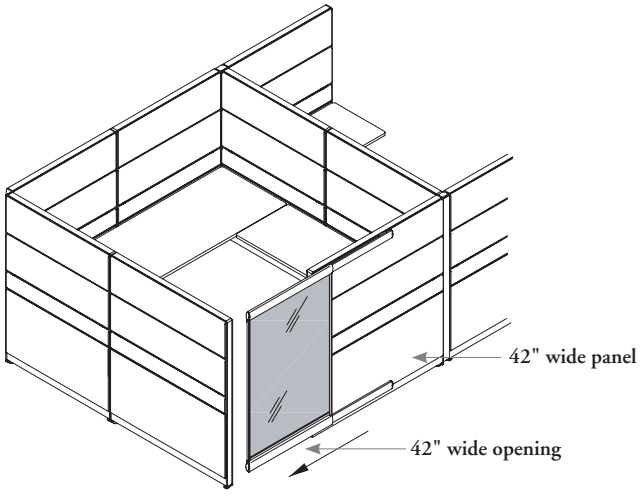
screen mounted over two panels (Right Slide Shown)

Privacy screen can be mounted over two panels except for 30" wide Panels, which cannot be used because mounting brackets interfere with Panel connectors



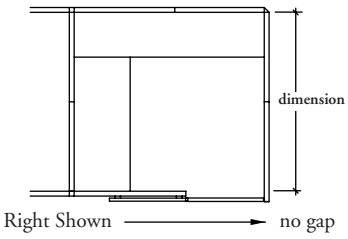
screen width 6" wider than opening

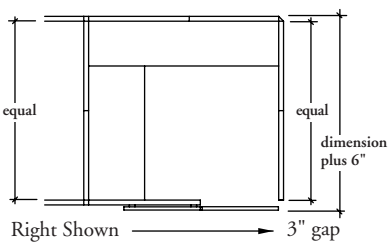
Privacy Screen slides to completely cover an opening with 3" on each side



corner opening (Left Slide Shown)

For complete closure the Panel run width that meets the Privacy Screen when fully closed must be 6" longer than the parallel run. This will eliminate the gap that would be created by the Privacy Screen sitting out 3" from the panel (see below)

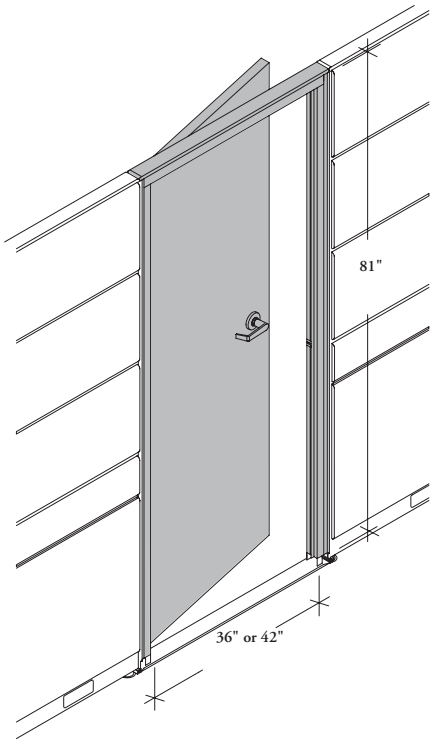


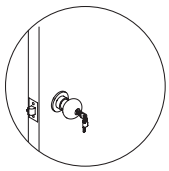


door panel basics

The Door Panel (PD) allows for door applications within the Panel environment, however does not allow for power pass-through or power access.

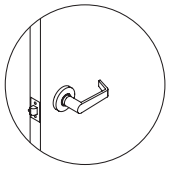
- Door Panels must be connected to Panels of the same height or higher
- Add-on Module (PX) or Over Panel (PO) of the same width can be stacked on the Door Panel
- For wheelchair accessibility, specify the 42" wide Door Panel
- If the Door Panel is to be attached to a Wall Adapter (PWA), Panel Hinges (PH40) must be ordered
- The door swing is identified as left and right according to the location of the hinges



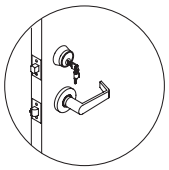


This style is not available in the U.S.A.

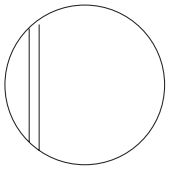
Handle Style 1 (Ball Handle with Lock)



Handle Style 3 (Lever Handle No Lock)



Handle Style 2 (Lever Handle with Deadbolt)



Handle Style 9 (No Handle)

Door	Door Dimensions (Nominal)	Door Clearance (Frame width: side-to-side)
PD_8136	79" high x 32" wide	31"
PD_8142	79" high x 38" wide	37"

Finishes

- Doors are available in Foundation Laminate, and Flintwoods finishes
- Frame is available in Foundation and Mica colors
- Top trims are available in Foundation and Mica colors and Flintwood stains
- If Flintwood is not specified for the top trim finish, the finish will match the finish color of the frame
- Handles, locks and thresholds are finished in a Brushed Chrome

lyft

lyft

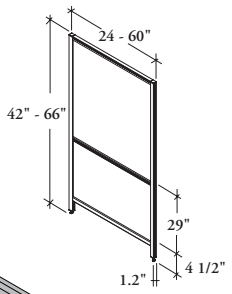
screen basics

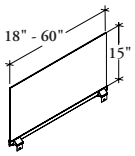
Lyft provides space division by using a variety of thin panels and screens that can be connected to other thin panels or T/O/S panels. Thin panels provide an alternative aesthetic when a thin profile is required.

- Thin Panels (HPS) are not handed
- Thin Panels do not require top trim
- End Trims (HET), Intermediate Trims (HIT) and connecting hardware must be specified separately
- The mid rail accommodates worksurface connection and support
- The upper rail accepts mounted storage signage on-module in corners (except Screenweave Floor Screen) and workstation signage
- Lyft Thin Panels support Lyft Shelves (HMS) and overhead cabinets up to 30" wide (see Filing and Storage for details on overhead cabinet options) provided the Lyft panel is attached to the T/O/S panel. Please see the Mounted Storage section for details
- All dimensions and dimension codes are nominal

Thin Panel – Standard (HPS)

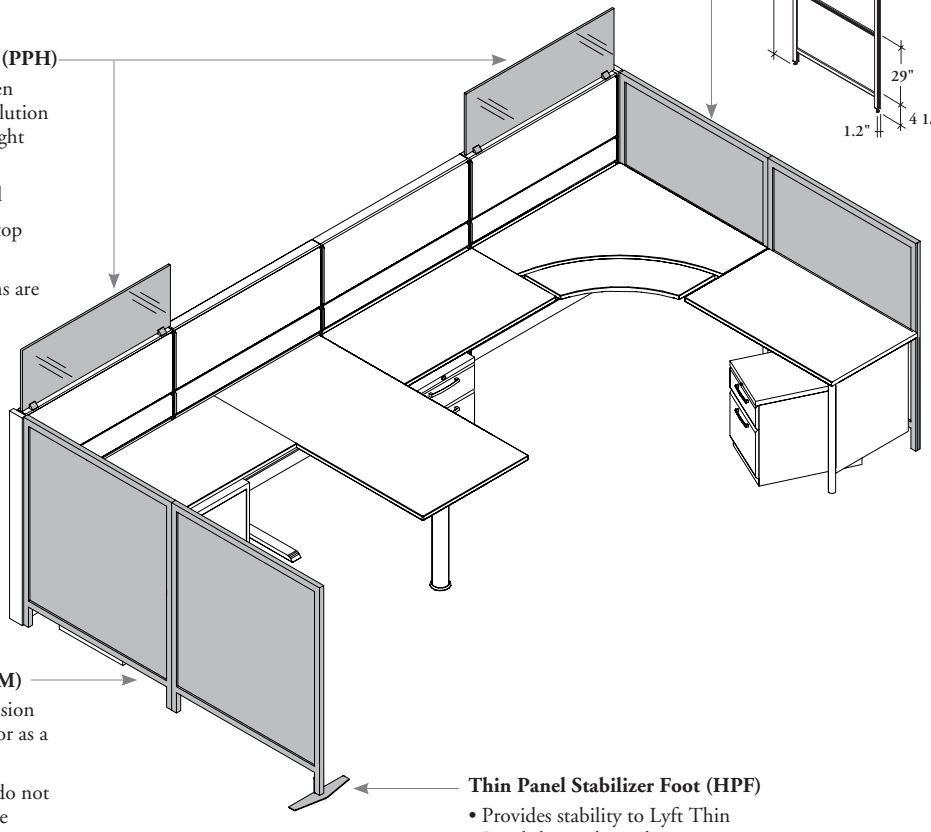
- Provides privacy and worksurface support
- Connects to T/O/S Panels both on- and off-module or to Lyft Thin Panels and Screens On-Module
- Comes complete with top and mid rails





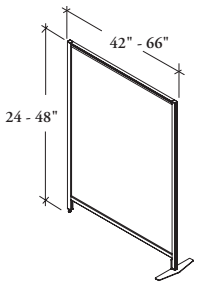
Add-On Screen – Translucent (PPH)

- The translucent Add-On Screen provides a casual alternative solution to increase T/O/WS Panel height and visual privacy
- Can span more than one Panel
- Cannot be mounted to wood top trims
- Actual screen width dimensions are 1" shorter than nominal



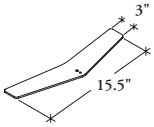
Thin Panel – Monolithic (HPM)

- Designed to provide space division when linked to another panel or as a freestanding screen
- Are not structural, therefore, do not support worksurfaces or storage
- Does not have a center rail



Thin Panel Stabilizer Foot (HPF)

- Provides stability to Lyft Thin Panels beyond an adjacent worksurface or Panel connection
- Can be used on all Lyft Thin Panels to provide stability for Lyft Thin Panel runs and freestanding Lyft Monolithic Thin Panel configurations



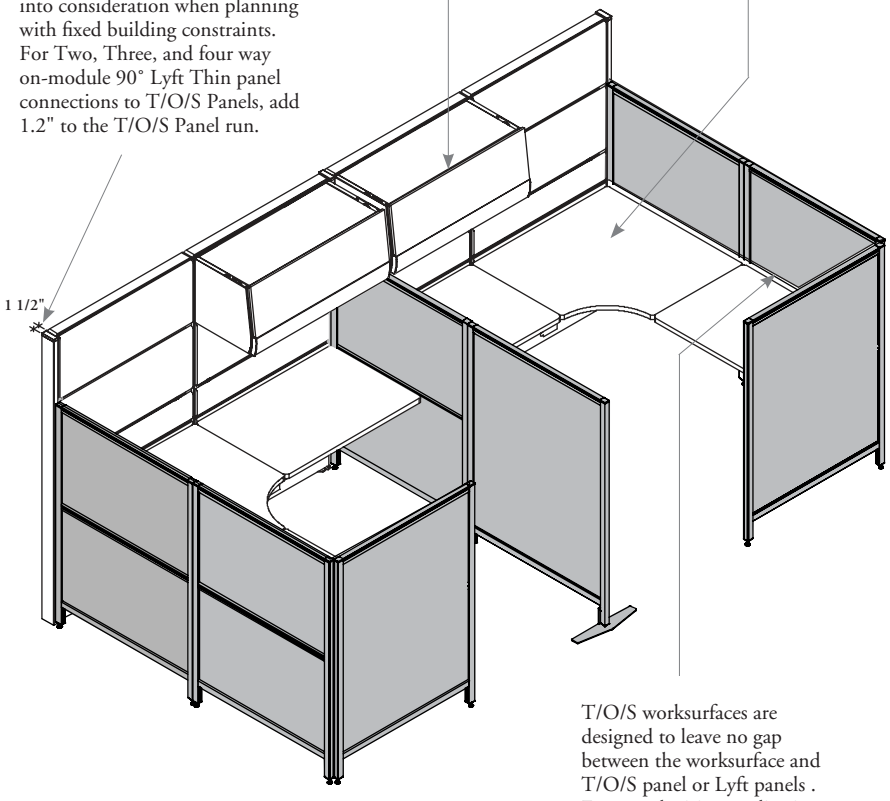
integrating lyft thin panels with t/o/s panels

The primary application of Lyft Standard and Segmented Thin Panels with T/O/S uses T/O/S Panels as a spine wall with Lyft Thin Panels connected at 90° providing space division and worksurface support. The following rules apply when planning with Lyft Thin Panels and T/O/S panels.

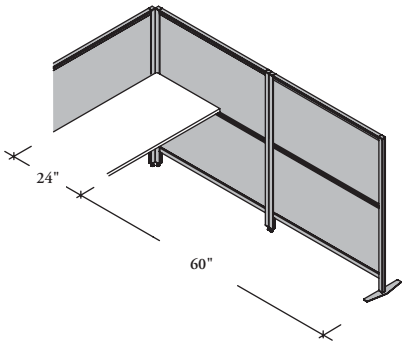
Thin Panels provide stability to T/O/S Panels with heights up to 66" and no more than one level of mounted storage

Panel Creep is the incremental dimensional increase created by panel connections when planning long runs. This must be taken into consideration when planning with fixed building constraints. For Two, Three, and four way on-module 90° Lyft Thin panel connections to T/O/S Panels, add 1.2" to the T/O/S Panel run.

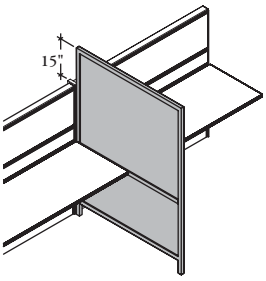
Where **Thin Panels** are being used as structural support to T/O/S Panels, worksurface connection is required



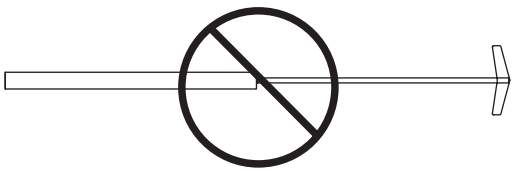
T/O/S worksurfaces are designed to leave no gap between the worksurface and T/O/S panel or Lyft panels . For casual wiring applications where routing is desired from below the worksurface, grommets should be specified



- **Stabilizer Foot (HPF)** required if the Thin Panel extends 30" to 60" from a previous stabilization point (adjacent Panel or worksurface support)
- Beyond 60" a new stabilization point is required
- It is recommended that for 66" high Thin Panels, a new stabilization point must be established beyond 48"



Where the Standard Thin Panel is higher than T/O/S Panels (on-module connections only) – the height difference cannot exceed 15"



Lyft Thin Panels do not connect to T/O/S panels at 180°

planning with lyft thin panels on their own

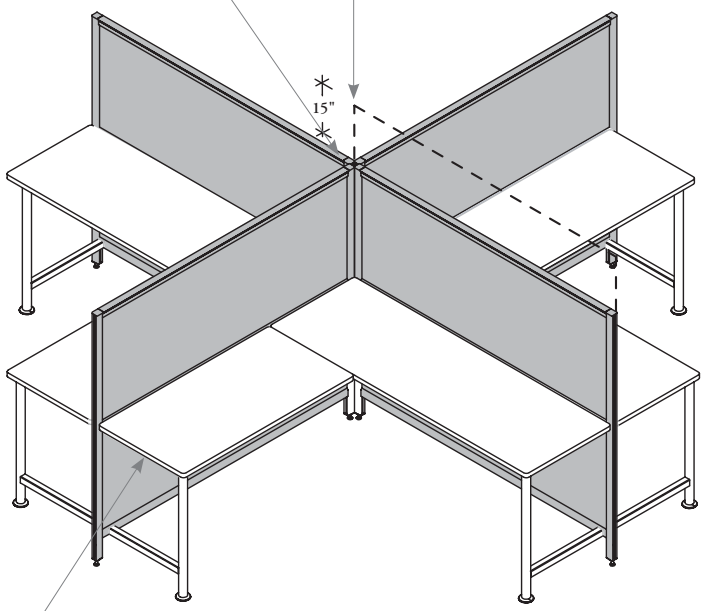
Lyft Standard and Segmented Thin Panels can also be used in combination with T/O/S worksurfaces to create complete workstations. The following rules apply when planning with Lyft Thin Panels on their own.

- Worksurfaces provide stability and structural support to Lyft Thin Panels
- Worksurfaces can be connected on-or off-module to Standard and Segmented Thin Panels
- Panel runs require a minimum 24" return Panel every 120"

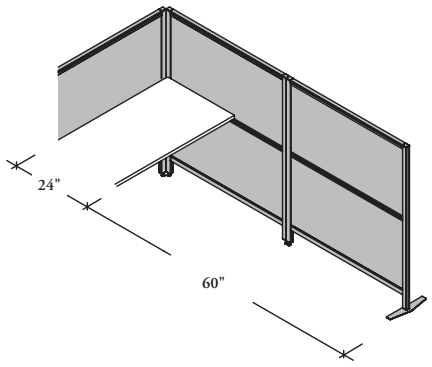
Two dimensions impact Panel creep when planning with Lyft Thin Panels on their own

a) two, three or four-way 90° Lyft Thin Panel connections add 1.2" to a Lyft Thin Panel run

b) to provide Universal worksurface connection and support actual Lyft Thin Panel widths are 1/8" wider than nominal widths. To account for this difference, add 1/8" for each thin panel used in a panel run



Worksurfaces provide stability and structural support to Lyft Thin Panels. Worksurfaces can be connected on- or off-module to Lyft Standard Thin Panels and Segmented Thin Panels

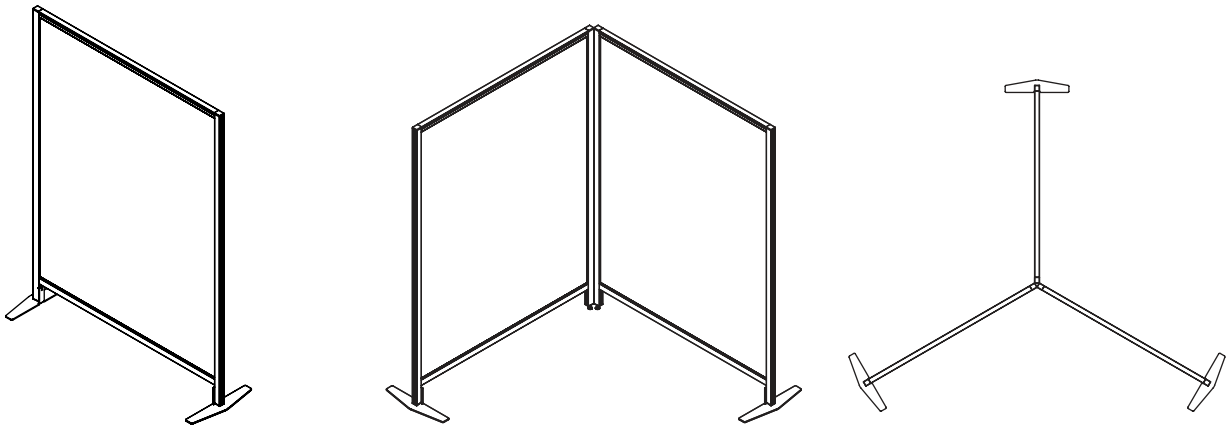


- **A Lyft Thin Panel (HPF)** is required if the Thin Panel extends 30" to 60" from a previous stabilization point (adjacent Panel or worksurface support)
- Beyond 60" a new stabilization point is required
- It is recommended that for 66" high Thin Panels, a new stabilization point must be established beyond 48"

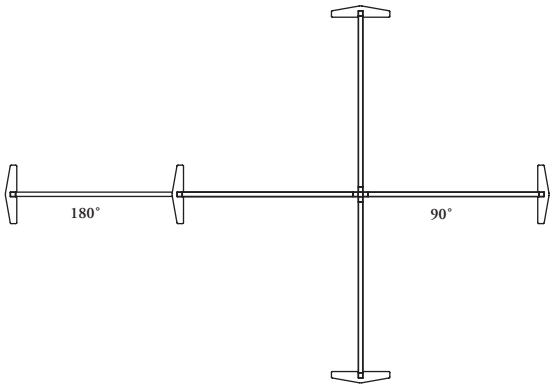
planning with monolithic thin panels

Monolithic Thin Panels are non-structural and are designed for space division. The following rules apply when planning with Monolithic Thin Panels.

- Monolithic thin panels do not connect to worksurfaces
- Monolithic thin panels can also connect to other panels and screens with the same on and off-module panel connection guidelines as standard thin panels and segmented thin panels



Monolithic Thin Panels can stand alone with two stabilizer feet or link to other Lyft Monolithic Thin Panels at 90° or 120° using one Stabilizer Foot per panel



A thin panel span can be extended to 180° when a stabilizer foot is added where two monolithic thin panels connect. A 180° span is limited to two monolithic thin panels. When both panels are 66" high the span is limited to 72"

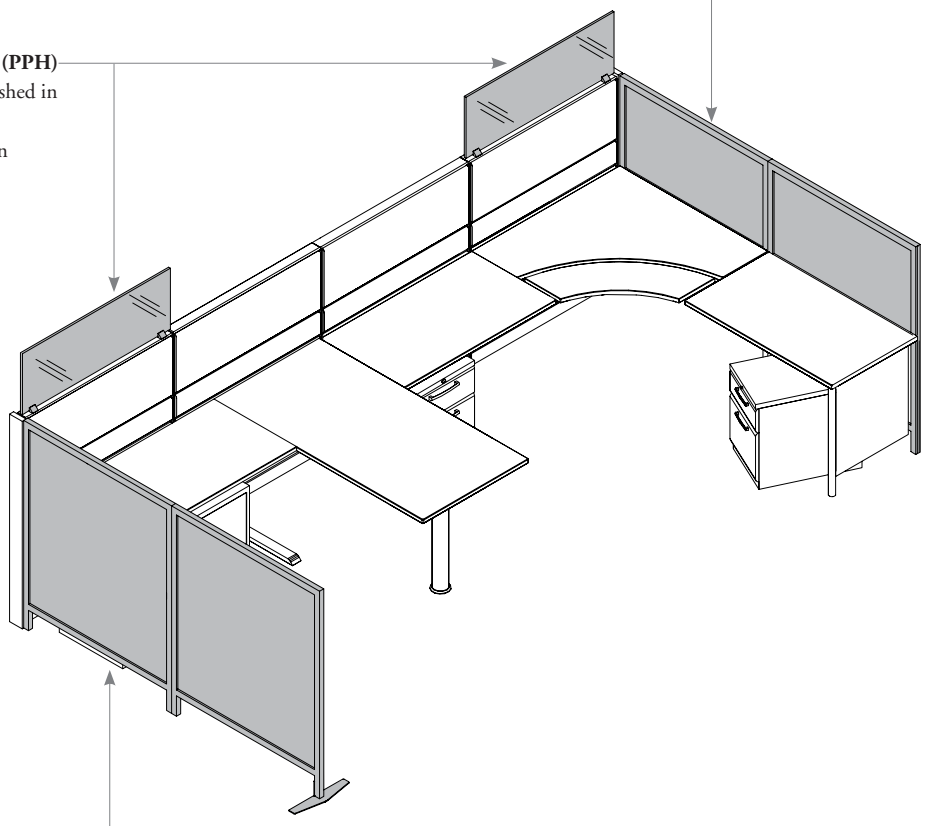
lyft finishes

The following outlines the various finish options that are available on Lyft Thin Panels and Floor Screens.

- Top segment finish can be different than the bottom segment
- Segment finishes will be the same on both sides of the panel
- Solid Color is painted hardboard offered in a range of Foundation and Mica colors options
- Translucent finishes include Frosted Acrylic and two Ribbed Translucent options
- All frames are available in Foundation and Mica colors
- Stabilizer Foot is available in Foundation and Mica colors and can be specified differently from the frame

Thin Panel – Standard (HPS)
- Top Segment is available in Solid Color, Fabric, Translucent and Whiteboard
- Bottom Segment is available in Solid Color, Fabric and Translucent

Add-On Screen – Translucent (PPH)
- The frame and bracket are finished in Foundation or Mica
- Top Trim styles are available in Straight or Square Profiles.



Thin Panel – Monolithic (HPM)
Translucent Panel finish in Ribbed Clear or Ribbed Textured

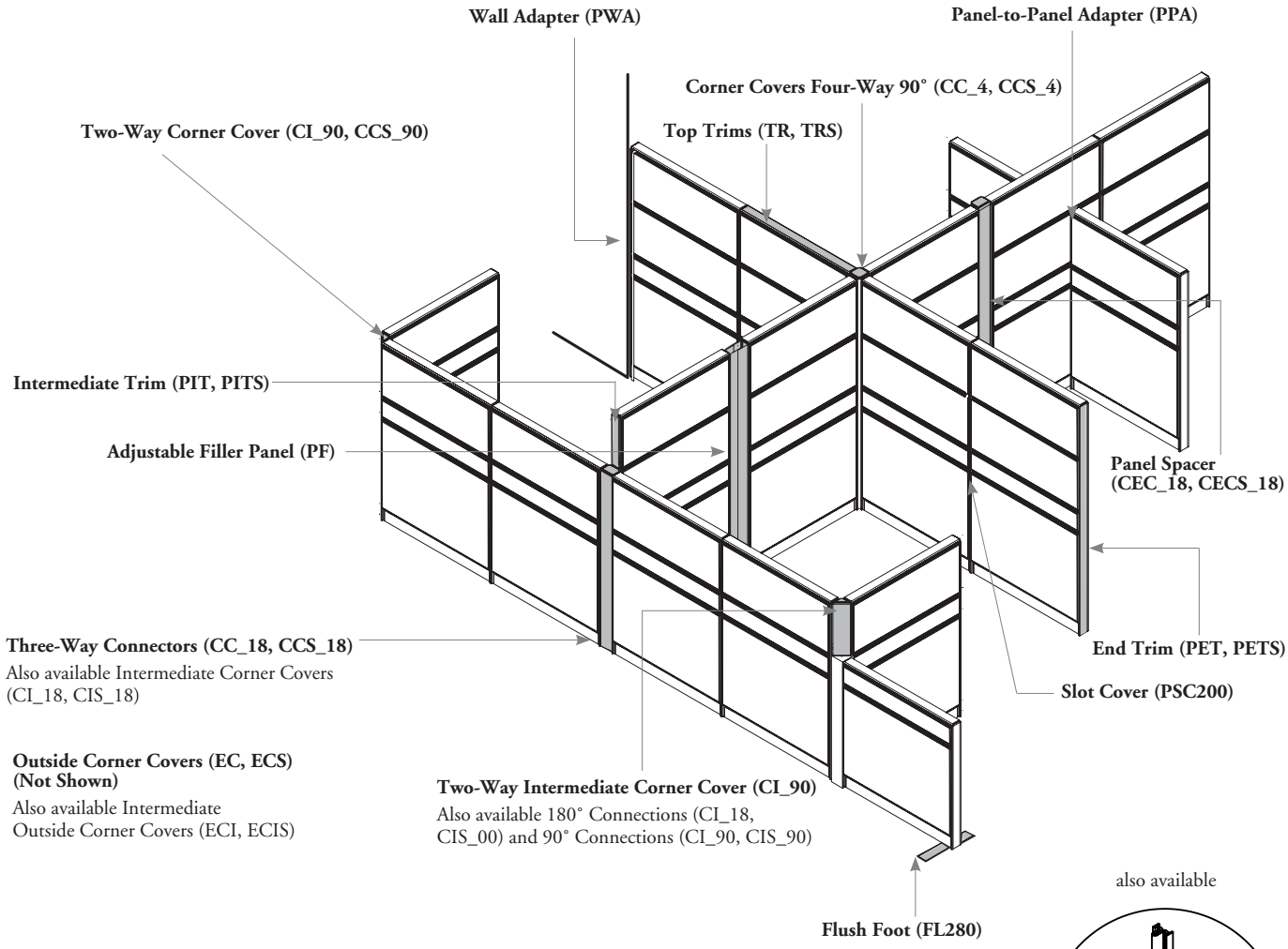
panel connections & trims

panel connections & trims

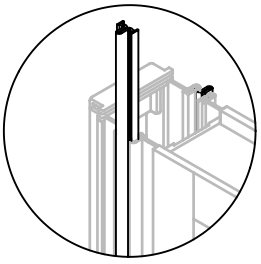
panel connections overview

Panel connections are used to connect Panels at various angles and to finish corners and ends.

- Two style options are offered: Traditional and Square
- Traditional and Square styles cannot be combined
- Corner connections can be made in 90° and 180° angles
- Panel Connections include power and communication lines traveling from panel-to-panel through corners

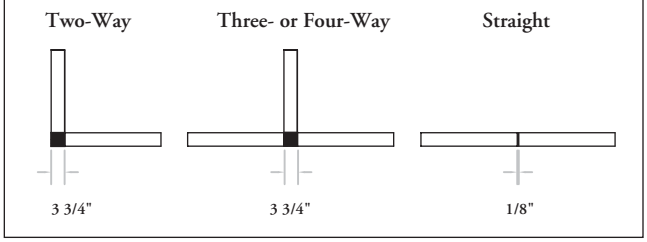


also available



Panel Hinge (PH)

panel creep



Panel creep should be accommodated in the planning process to ensure successful installations

panel connections – trim basics

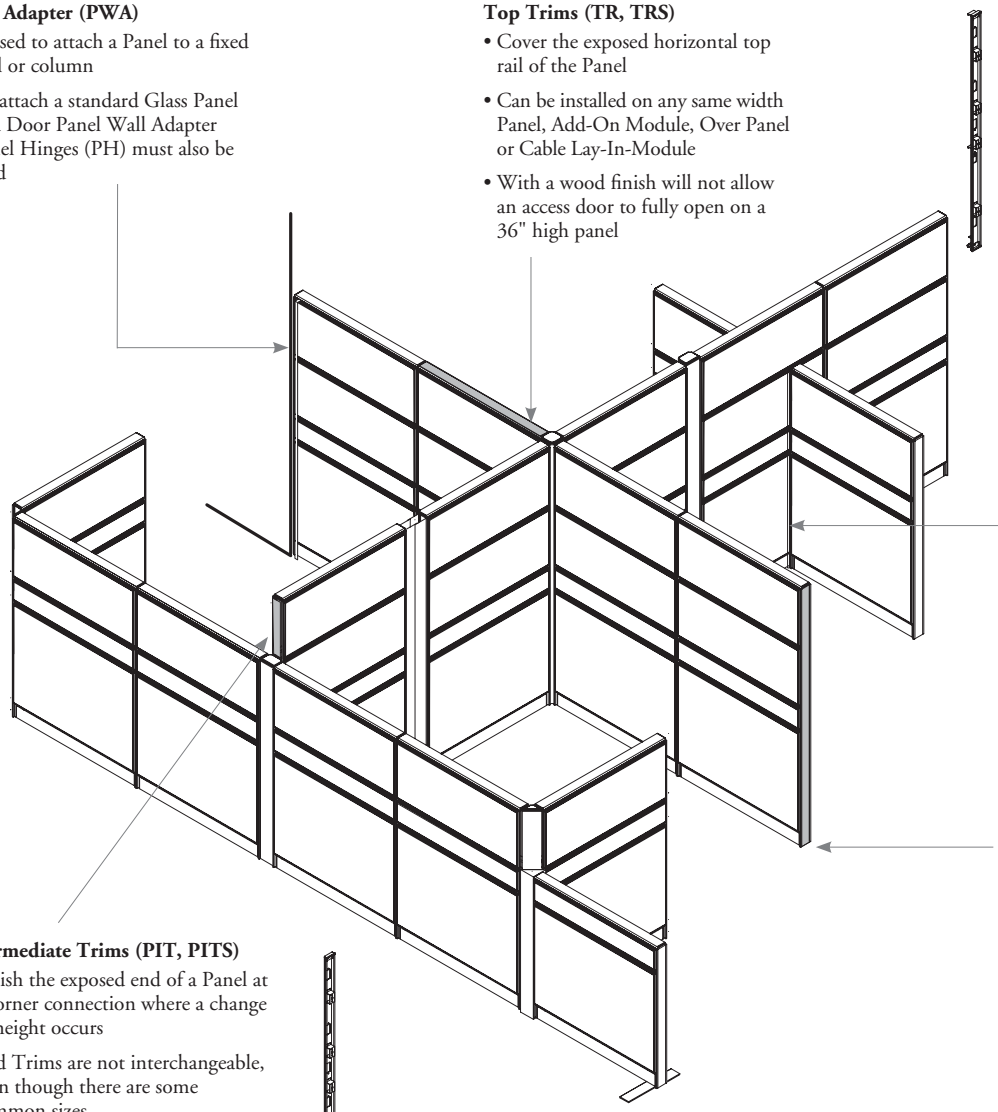
T/O/S trims finish the ends and tops of Panels.

- End Trims and Intermediate Trims must be ordered separately
- End Trims and Intermediate Trims are not interchangeable, even though they share some common sizes

Wall Adapter (PWA)
- Is used to attach a Panel to a fixed wall or column
- To attach a standard Glass Panel or a Door Panel Wall Adapter Panel Hinges (PH) must also be used

Top Trims (TR, TRS)
- Cover the exposed horizontal top rail of the Panel
- Can be installed on any same width Panel, Add-On Module, Over Panel or Cable Lay-In-Module
- With a wood finish will not allow an access door to fully open on a 36" high panel

Panel-to Panel-Adapter (PPA)
- Provides the ability to create an off-module 90° condition
- Cannot be attached to Door Panels
- An additional 1" width must be added to the panel run to accommodate the space taken up by the Panel-to-Panel Adapter
- Does not allow power to pass through
- Requires Panel Hinges to attach Glass Elements
- Modular Power Panels (PM) and Super Panels (PX) can be attached to Panels of the same height or shorter – Power Panels (PE) must be attached to Panels of the same height only



End Trims (PET, PETS)
- Finishes the exposed end of a Panel and is the full height of a Panel end
- Intermediate Trims are not interchangeable, even though there are some common sizes
- Must be installed on a **T/O/S** Panel of the same height
- Are available in Traditional and Square profiles

**Please be advised for panel manufactured before 1994 that the previous PET and PIT trims are still required for any reconfiguration application as a CR with no up charge. The following are the related CR numbers.*
PET – CR#1062729
PIT – CR#1062730

Intermediate Trims (PIT, PITS)
- Finish the exposed end of a Panel at a corner connection where a change of height occurs
- End Trims are not interchangeable, even though there are some common sizes
- Available in Traditional and Square profiles

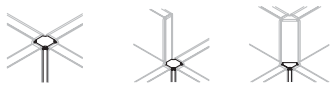
**Please be advised for panel manufactured before 1994 that the previous PET and PIT trims are still required for any reconfiguration application as a CR with no up charge. The following are the related CR numbers.*
PET – CR#1062729
PIT – CR#1062730

Finishes

Trims are available in Upholstery and a variety of Foundation and Mica colors

panel connections – corner basics

Corner Trims and Spacers are used on all corners of workstations, and where additional space is required along a Panel run within a workstation.



Corner Cover Four-Way 90° (CC_4, CCS_4)

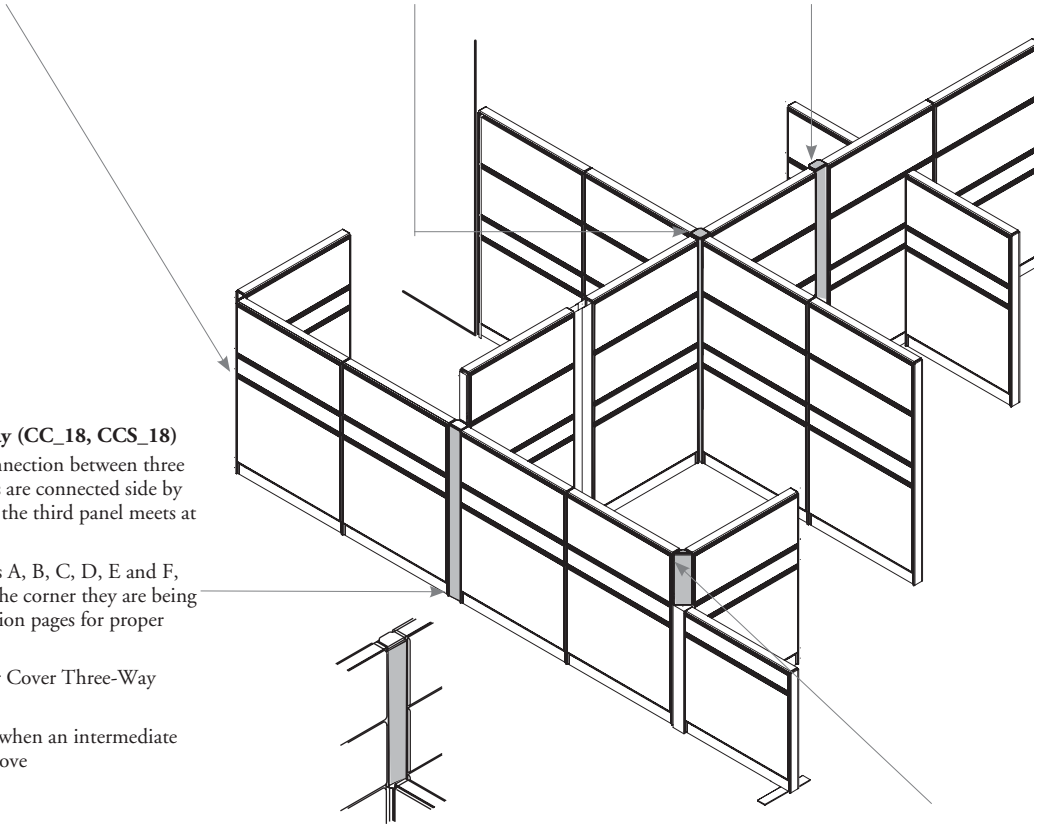
- Creates and covers a full-height connection between four Panels which meet at 90° angles
- Three configurations are available, A, B, and C, each finished to match the corner they are being applied to – see applications pages for proper corner required
- The same components are available in a No Cap Version
- CS-4 the cap is not required when an intermediate connector is installed above

Panel Spacer (CEC_18, CECS_18)

- Creates and covers a full-height space between two Panels which are connected side by side at 180°
- Is the same width as a three or Four-Way connector
- Is used to keep Panel runs equal length, when one run has an additional connector in it – it creates a 3 7/8" wide space between Panels
- Offers three configurations, G, H, and I each finished to match the corner they are being applied to – see applications pages for proper connector required

Corner Cover Two-Way 90° (CC_90, CCS_90)

- Creates a full-height connection between two Panels that join at 90°
- Three configurations available A-B, and C, each finished to match the corner they are being applied to – see applications pages for proper corner required



Corner Cover Three-Way (CC_18, CCS_18)

- Creates a full-height connection between three Panels where two Panels are connected side by side at a 180° angle and the third panel meets at a 90° angle
- Offers six configurations A, B, C, D, E and F, each finished to match the corner they are being applied to – see application pages for proper corner required
- Also available 3" Corner Cover Three-Way 180° No Cap (CC_18)
- The cap is not required when an intermediate connector is installed above

Finishes

Panel connectors are available in Foundation and Mica colors

Outside Corner Covers (EC, ECS) (Not Shown)

- Are finishing treatments similar to a Panel End Trim to be used in conjunction with Intermediate Three-Way Connectors
- Cover the exposed structural portion of specific corner connection types
- Also available Intermediate Outside Corner Cover (ECI, ECIS)

Two-Way Intermediate Corner Covers Two-Way 90° (CI_90, CIS_90)

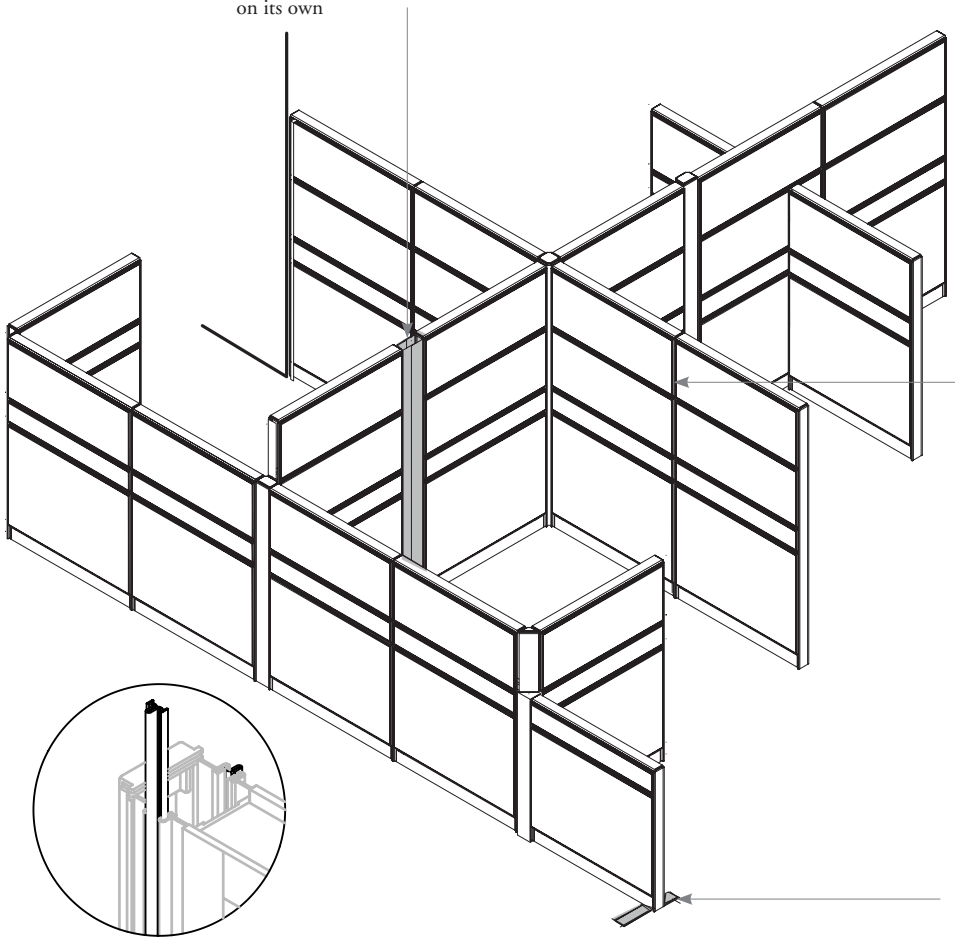
- Create an intermediate height connection between two Panels that join at a 90° angle
- Offer three configurations, A, B, and C, each finished to match the corner they are being applied to – see applications pages for proper corner required
- Also available Intermediate Corner Covers Three-Way 180° (CI_18 and CIS_18)

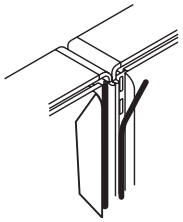
panel connections – universal basics

Additional Products are available for unique connection applications.

Adjustable Filler Panel (PF)

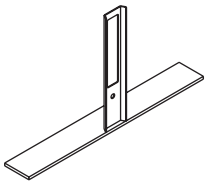
- Allows for adjustable short distance connection between two Panels
- Telescopes to cover a distance from either 4" to 6" or 6" to 9"
- Is not structural, the Panel run must be stable on its own





Slot Cover (PSC200)

- Is an optional treatment that covers slots on the Panel vertical upright, to conceal the increments
- Can only be used on Panel frames produced after March 1994, for Panels prior to that order (PSC100)



Flush Foot (FL280)

- Provides support for wing Panels where worksurfaces and storage are not attached to the Panel
- Cannot be used if the worksurface or storage are mounted to the Panel
- Cannot be used on panel runs longer than 8'
- Does not replace floor supports on worksurfaces
- If the Panels that the foot is being installed on are manufactured prior to March 1994, specify **FL180**

Panel Hinge (PH)

- Used to connect Panels in situations where posi-locks cannot be used
- Must also be used to connect Panels manufactured prior to November 1987
- Enables the Door Panel to be connected to the Wall Adapter (PWA)

Finishes

Panel Connectors are available in Foundation and Mica colors

panel connections simplified

To identify connector requirements, follow these steps:

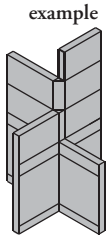
A complete series of corner configurations are included on the following pages for reference

The basic coding sequence is as follows:

example:

corner	height	angle	cap cover
CI	15	18	H

example



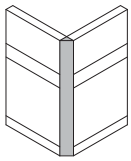
An outline of the steps to take are as follows:

step 1:

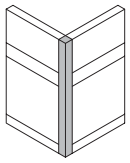
Identify which connection and trim style is required, Traditional Profile or Square Profile. The same style should be used throughout, as Panel connections must always be specified in the same styles as top trim. Universal Panel components can be specified with either Square Profile or Traditional Profile top trim styles

It is not required that trim style match Element style

traditional profile



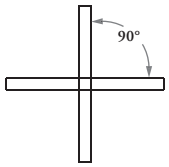
square profile



step 2:

Identify the footprint of the configuration. Specifically, is it a Two-Way, Three-Way, or a Four-Way configuration? What is the contained angle (example 90°)?

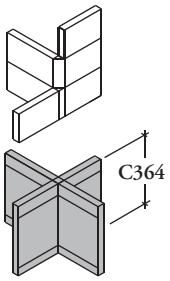
Footprint: Four-Way
Angle 90°



step 3:

Identify the height of the first section and whether or not there will be a requirement for a cap. The height of the shortest Panel determines the height of the first section

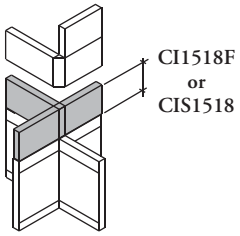
Height: 36"
Cap Required: No
Code: C364



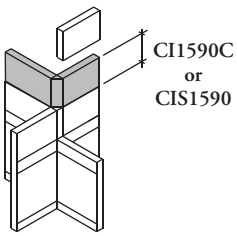
step 4:

Identify the footprint and height of the remaining sections and whether or not a cap will be required. See the examples on the following pages to identify cap options

Footprint: Three-Way
Angle: 180°
Height: 15"
Cap Required: Yes
Code:
Traditional Profile: CI1518F
Square Profile: CIS1518



Footprint: Two-Way
Angle: 90°
Height: 15"
Cap Required: Yes
Code:
Traditional Profile: CI1590C
Square Profile: CIS1590

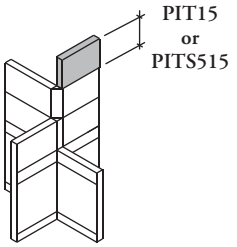


step 5:

Specify finishing trims

Trim: Intermediate
Height: 15"
Code:

Traditional Profile: PIT15
Square Profile: PITS515

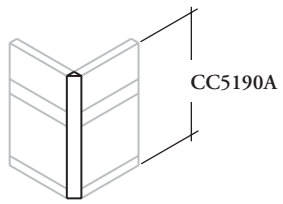


panel connections – traditional profile

The following examples can be used to determine the proper connectors needed in specific installations.

two-way connectors

CC_ _90



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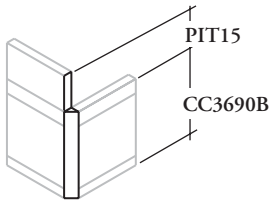

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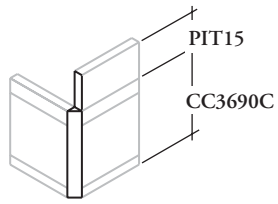
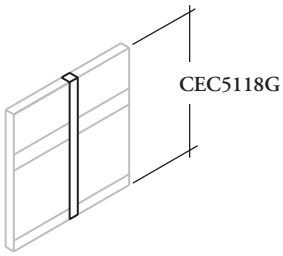


3

CEC_ _18



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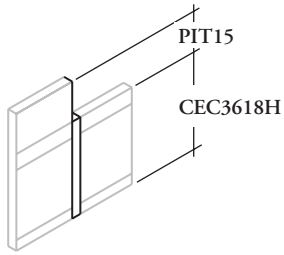

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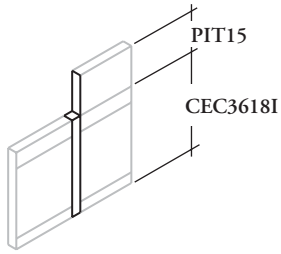


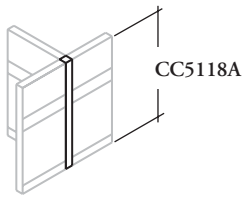
12

panel connections – traditional profile (continued)

The following examples can be used to determine the proper connectors needed in specific installations.

three-way connectors

CC_ _18



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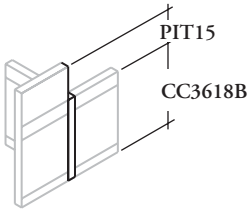

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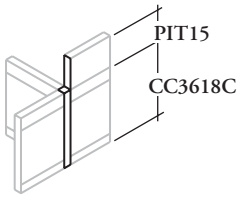

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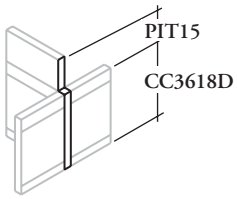

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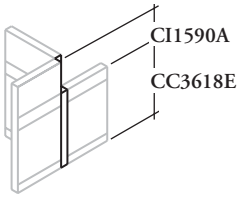

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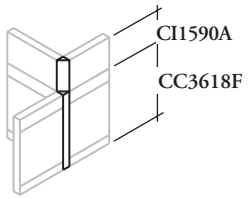

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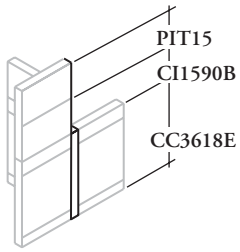

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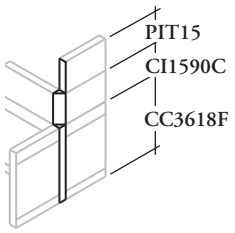

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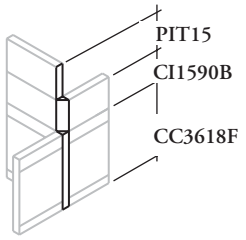

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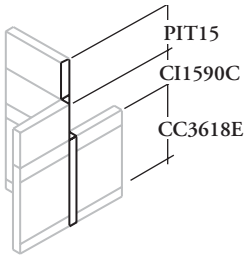
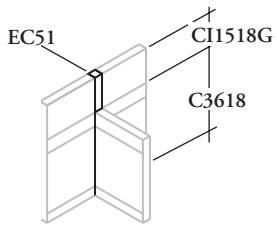


22

C_ _18



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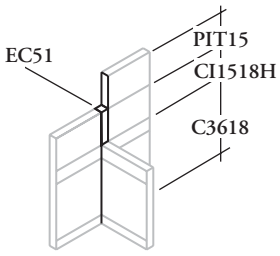

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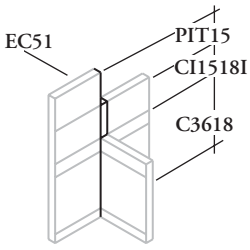
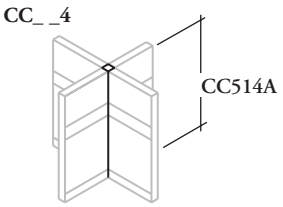


25

panel connections – traditional profile (continued)

The following examples can be used to determine the proper connectors needed in specific installations.

four-way connectors



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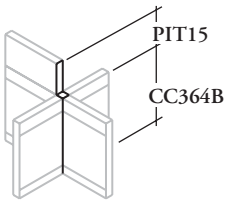

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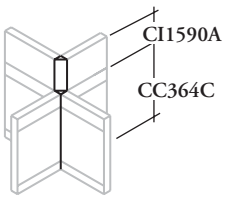

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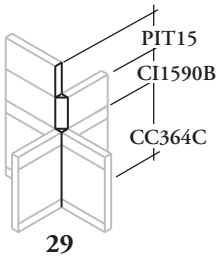

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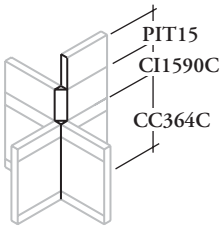

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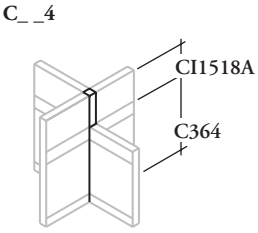

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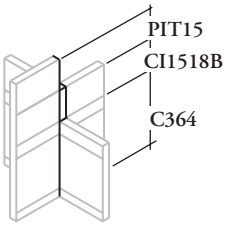

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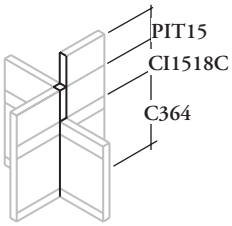

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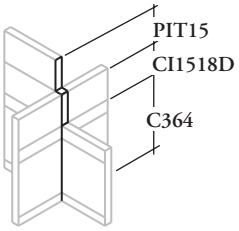

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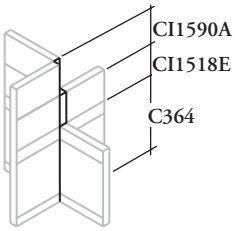

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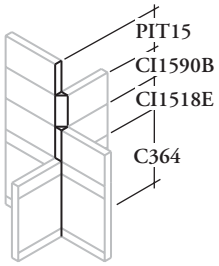

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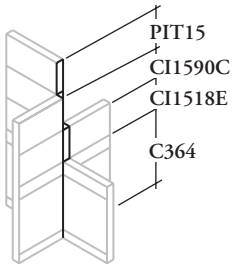

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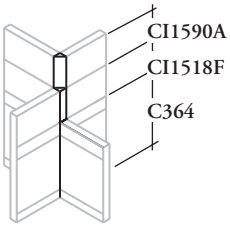

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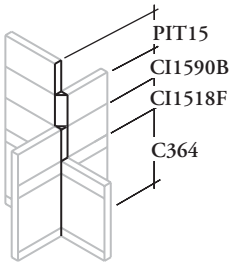

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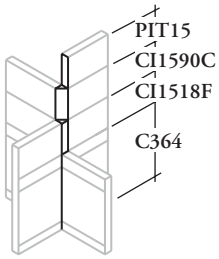

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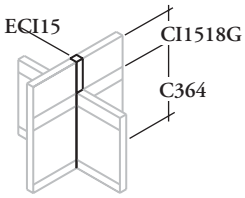

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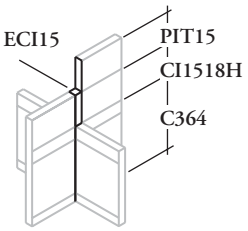

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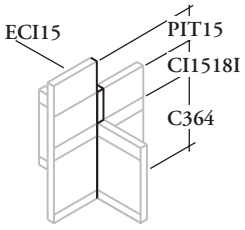

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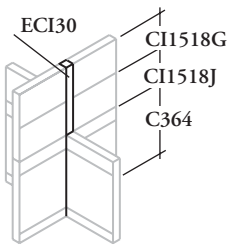


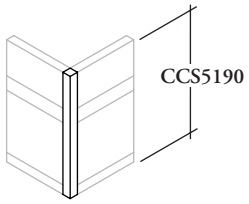
44

panel connections – square profile

The following examples can be used to determine the proper connectors needed in specific installations.

two-way connectors

CCS_ _90



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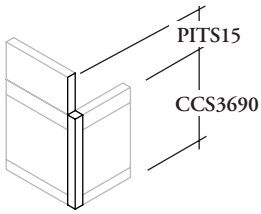
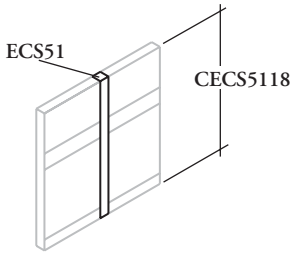


2

CECS_ _18



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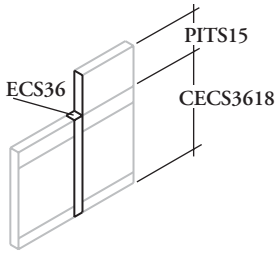
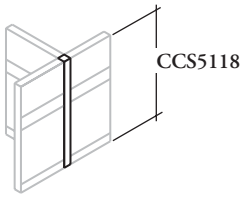


4

three-way connectors

CCS_ _18



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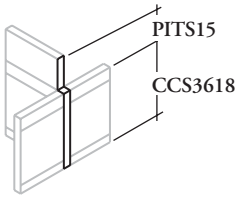

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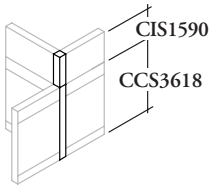

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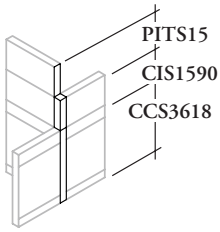

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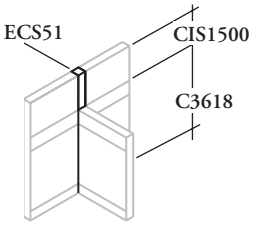
C_ _18



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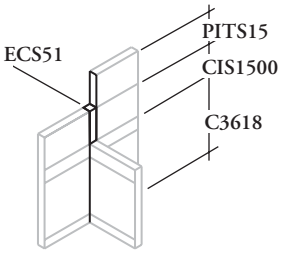


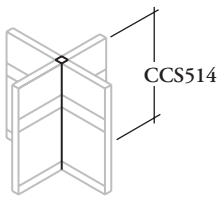
10

panel connections – square profile (continued)

The following examples can be used to determine the proper connectors needed in specific installations.

four-way connectors

CCS_ _4



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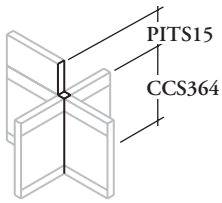
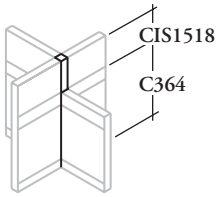


12

C_ _4



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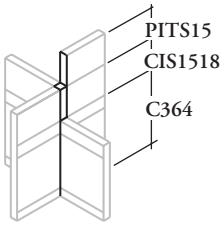

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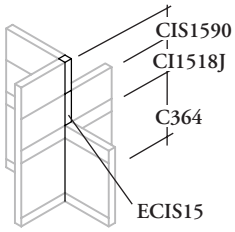

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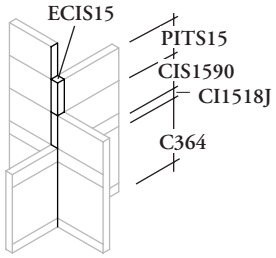

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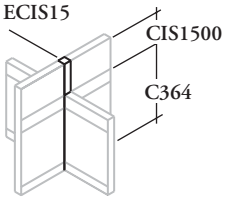

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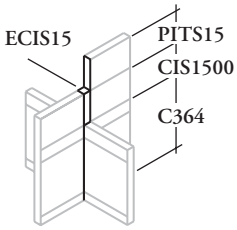

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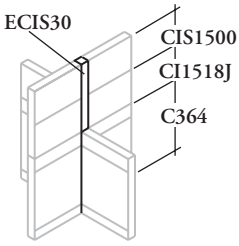
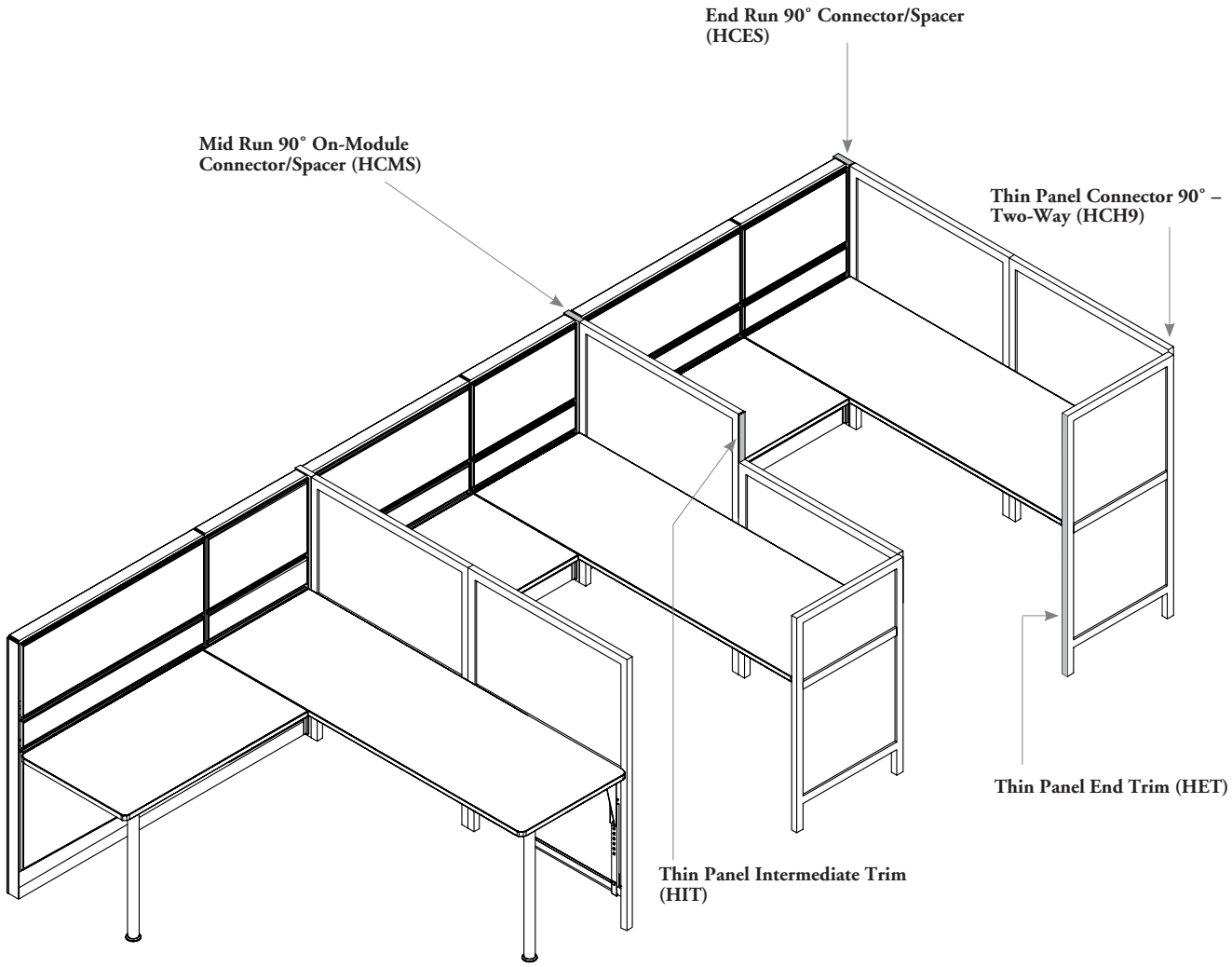


19

lyft panels & connections overview

Lyft Connectors are used to connect Lyft Thin Panels and Screens to T/O/S Panels at various angles and maintain worksurface to Panel alignment.



Finishes

Lyft connectors are available in a variety of Foundation and Mica colors

lyft end run, mid run & off-module 90° connector basics

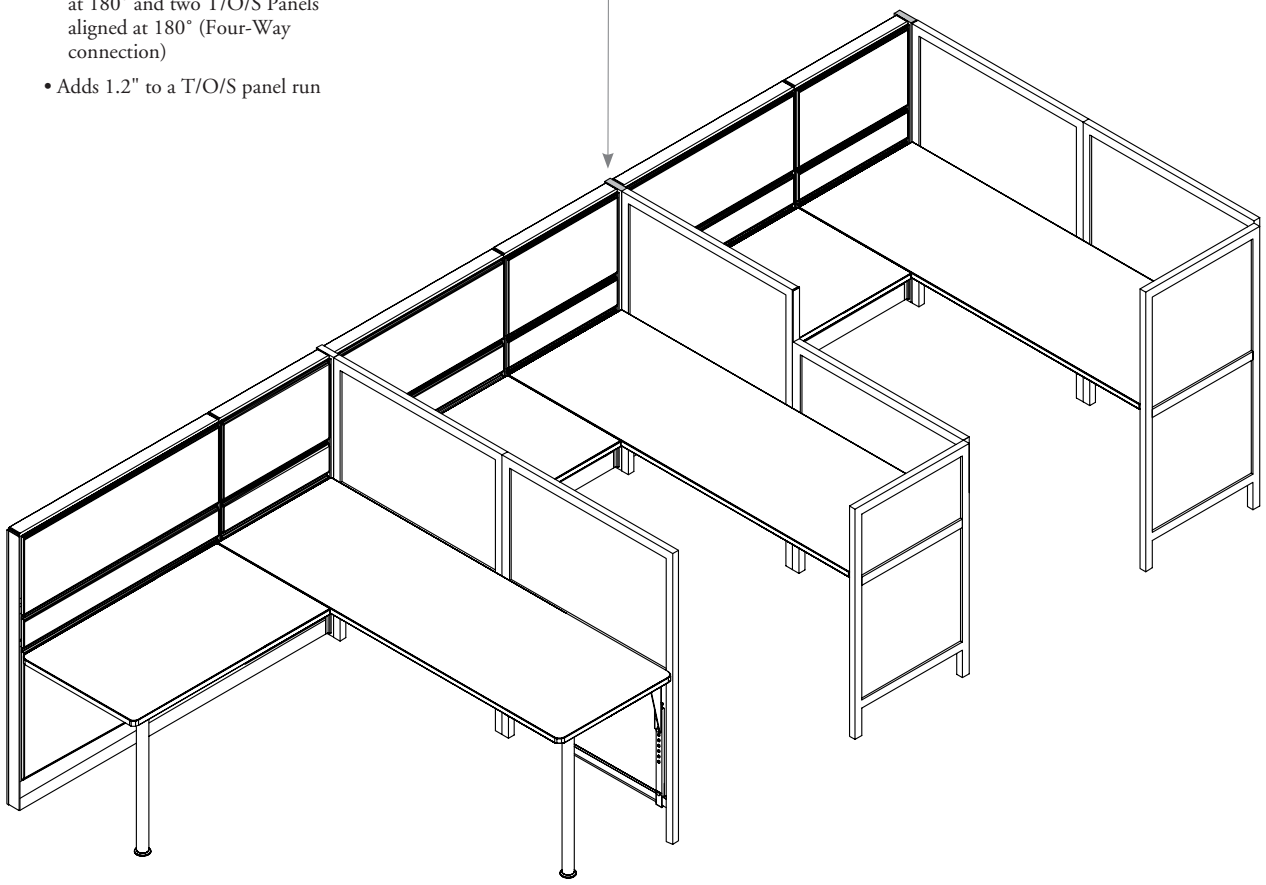
Lyft Connectors are used to connect Lyft Thin Panels to T/O/S panels at various angles.

Mid Run 90° On Module Connector/ Spacer (HCMS)

- Creates a full height 90" Mid-Run Connection at the junction between the following:
  - a Lyft Thin Panel and two T/O/S Panels aligned at 180° (Three-Way connection)
  - Two Lyft Thin Panels aligned at 180° and two T/O/S Panels aligned at 180° (Four-Way connection)
- Adds 1.2" to a T/O/S panel run

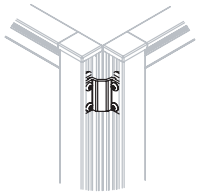
End Run 90° Connector/Spacer (HCES)

- Creates a finished full height 90° angle end run connection between a Lyft Panel and a T/O/S Panel (Two-Way connection) or two Lyft Panels and a T/O/S Panel (Three-Way connection)
- Replaces T/O/S Panel End Trim

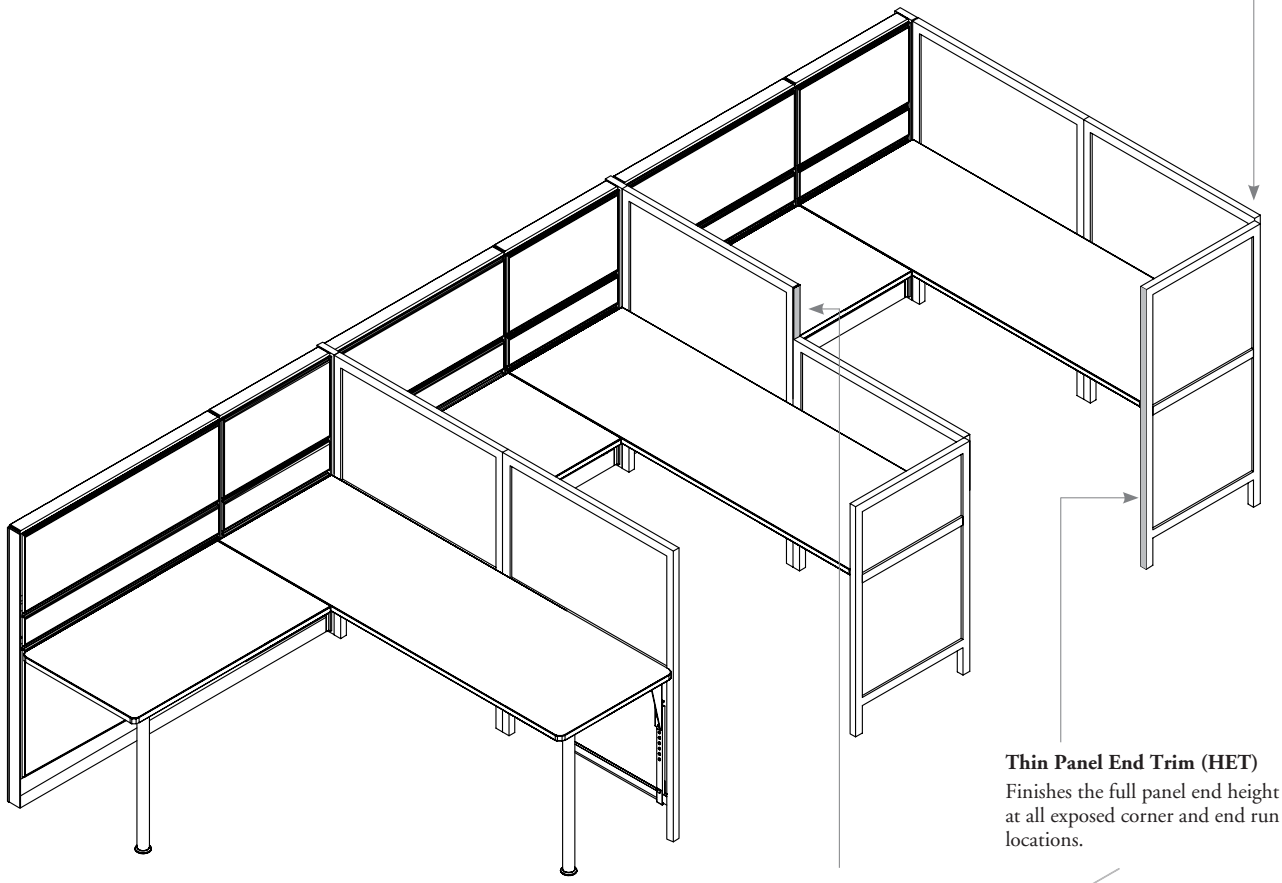


lyft trims & connections basics

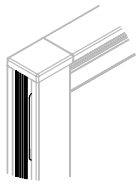
Lyft offers a number of connectors and trims that finish ends and corners, or connect to T/O/S.



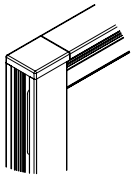
Thin Panel Connector 90° – Two-Way (HCH9)
Creates a full-height 90° connection between two Lyft Thin Panels



Thin Panel End Trim (HET)
Finishes the full panel end height at all exposed corner and end run locations.



Thin Panel Intermediate Trim (HIT)
Finishes exposed portions of Lyft Thin Panels where a full end trim is not required



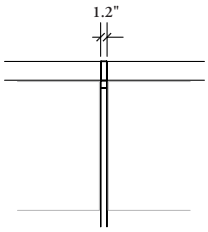
Finishes
Lyft trims and connectors are available in a variety of Foundation and Mica colors

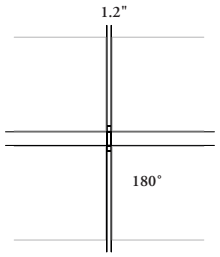
connecting lyft thin panels to t/o/s panels

A number of connectors are available for connecting Lyft Thin Panels to T/O/S panels. The following rules apply when.

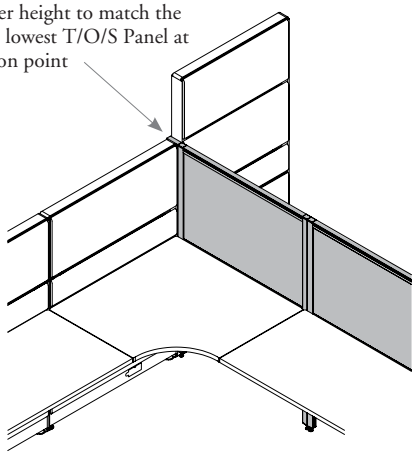
mid run 90° on-module connector/spacer (HCMS)

Creates a spacer between a Lyft Thin Panel and two T/O/S Panels or two Lyft Thin Panels aligned at 180° and two T/O/S Panels aligned at 180°

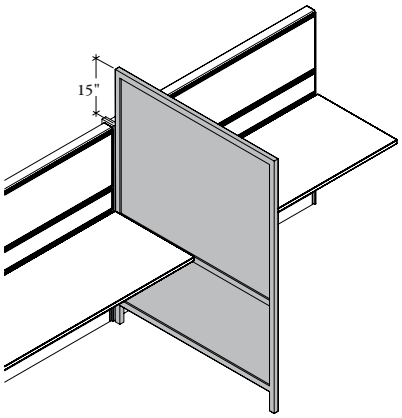




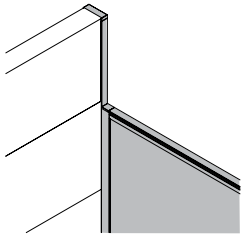
Specify Spacer height to match the height of the lowest T/O/S Panel at the connection point



- When the Lyft Thin Panel is being used to support a T/O/S Panel, a worksurface is required at the corner where the Thin Panel and the T/O/S Panel meet
- This connection can occur without a worksurface if the Lyft thin panel is stabilized with a Stabilizer Foot and no support is required from the Lyft Thin Panel



- Lyft Thin Panels can be no more than 15" higher than the T/O/S Panel to which it is attached
- Thin Panel Intermediate Trims (HIT) must be specified separately when Lyft Thin Panel height exceeds T/O/S Panel height

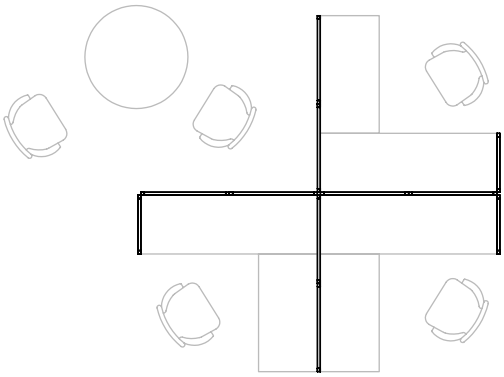


end run 90° connector/spacer (HCES)

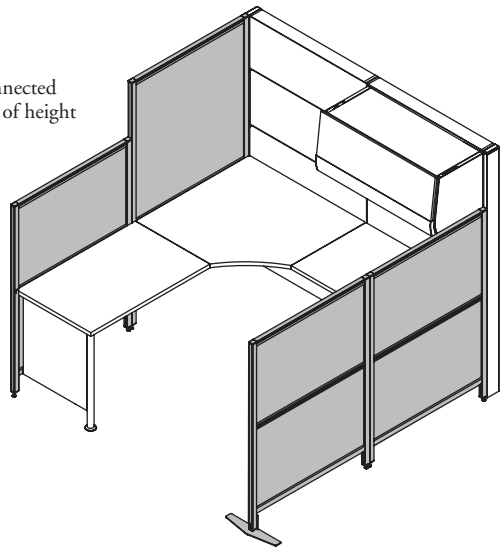
- Creates a finished full-height 90° angle end run connection between a Lyft Panel and a T/O/S Panel or two Thin Panels and a T/O/S Panel
- Specify Spacer height to match height of T/O/S Panel
- Connections for two Thin Panels is included
- Replaces T/O/S Panel End Trim
- Follows all other guidelines indicated for the Mid-Run 90° On-Module Connector/Spacer (HCMS)

connecting thin panels to other thin panels

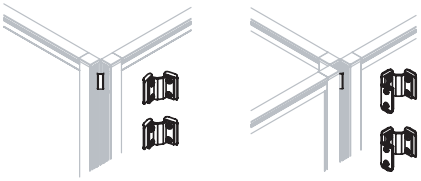
The following rules apply when connecting Thin Panels to other Thin Panels.

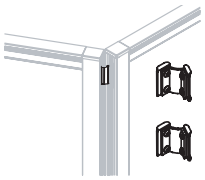


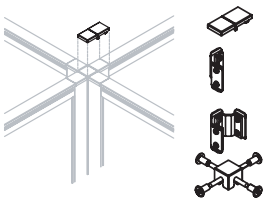
Lyft Thin Panels can be connected to each other with a change of height up to 15"

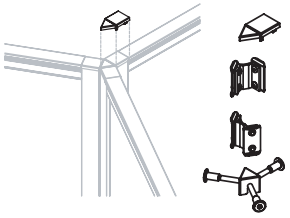


- On-module connections only can be made when connecting Lyft Thin Panels to other Lyft Thin Panels
- Connectors can be specified for two-way, three-way and four-way 90°. Angle for two-way or three-way 120° on-module connections between Lyft Thin Panels







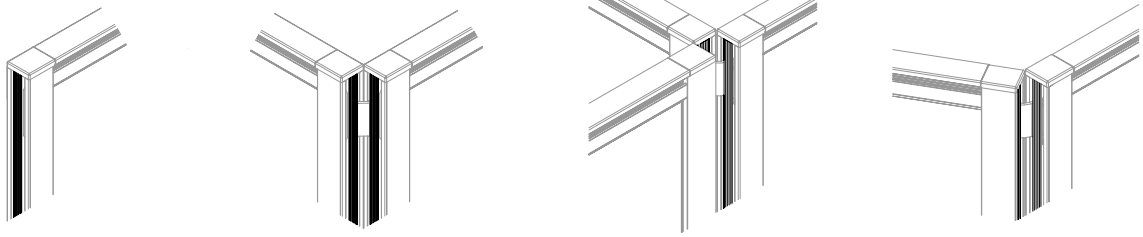


- For Four-Way 90° Connections, a Four-Way Top Cap (included with a Four-Way 90° Thin Panel Connector) replaces the Top Cap of the lower most Lyft Thin Panel
- For Three-Way 120° Connections, a Three-Way Top Cap (included with a Three-Way 120° Thin Panel Connector replaces the Top Cap of the lower most Lyft Thin Panel
- If a Two-Way or Three-Way 90° or a Two-Way 120° Thin Panel Connector is specified, Lyft Thin Panel End Trims (HET) (two or three) are required (specified separately)
- If a Four-Way 90° or a Three-Way 120° Panel Connector is specified, Lyft Thin Panel Intermediate Trims (HIT) are required for change of height panel connections (specified separately)
- Thin Panel 180° Connections are included with Lyft Thin Panels – 90° and 120° are specified separately. Thin Panel trims (end or intermediate) are required for Two-Way 90° Connections, Three-Way 90° Connections, Four-Way 90° Connections with a change of height, Two-Way 120° Connections, and Three-Way 120° Connections with a change of height
- Freestanding application opportunities using Monolithic Panels only include space division for common work/meeting areas, open areas, and individual workstations

planning with thin panel ends & intermediate trims

The following rules apply when planning with End Trims and Intermediate Trims.

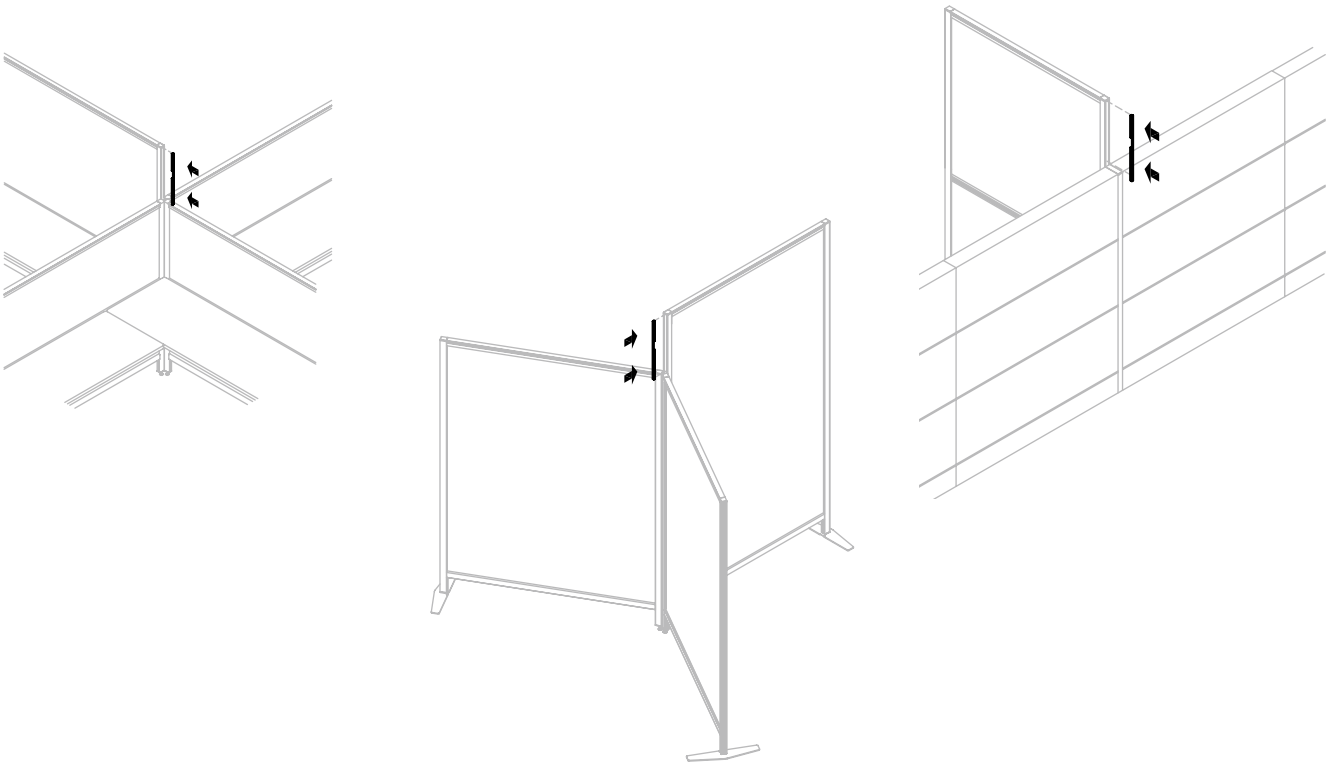
- Covers exposed Thin Panel ends at the end of a panel run, and Lyft-to-Lyft Thin Panel Two-Way 90° Connection (two end trims), a Three-Way 90° (three end trims) and a Two-Way 120° (two end trims)
- Thin Panel End Trim is notched at all potential locations for connections



One Trim | Two Trims | Three Trims | Two Trims

intermediate trims

- Thin Panel intermediate Trim is applied to Lyft Thin Panels in three configurations:
  1) Four-Way 90° Lyft Thin Panel connections with a change of Panel height
  2) Three-Way 120° Lyft Thin Panel connections with a change of Panel height
  3) Lyft to T/O/S Panels on-module connections where Lyft Thin Panels are higher than T/O/S Panels
- Thin Panel Intermediate Trim is notched at all potential locations for connections



elements

elements

element basics

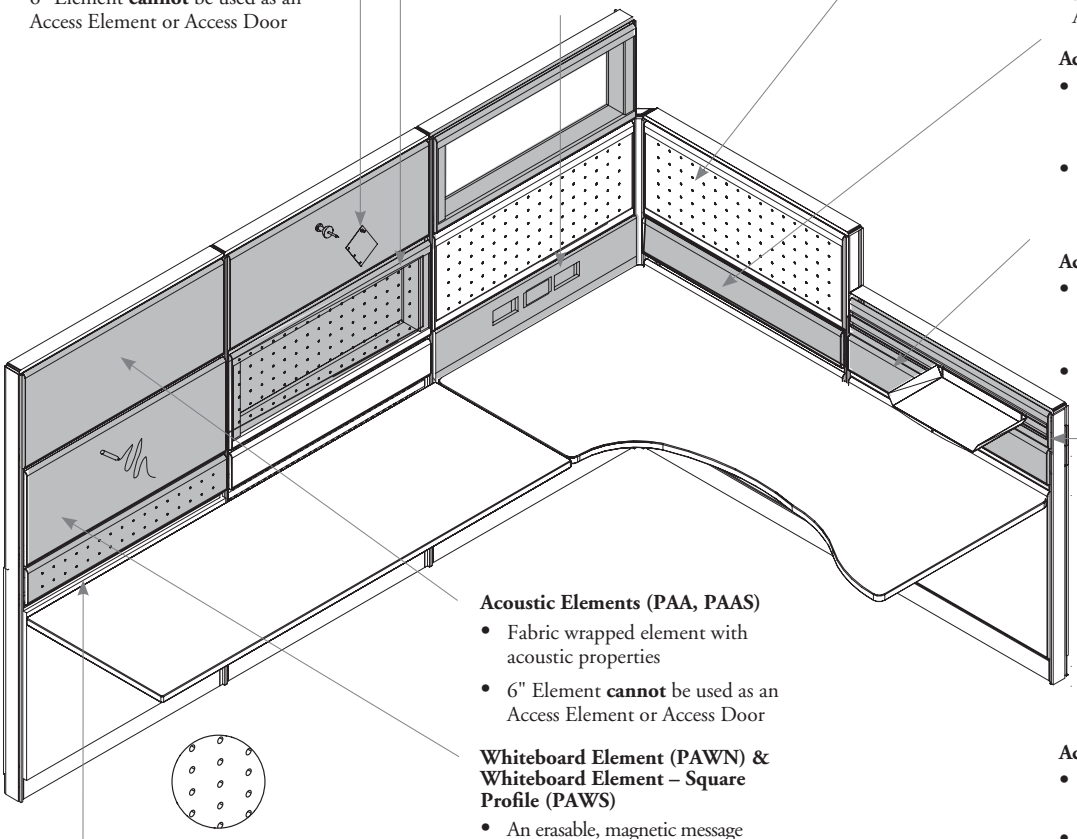
The following diagram illustrates Elements that would commonly be used on the inside of a workstation.

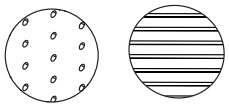
- Two profiles are available: Traditional & Square. Square profile is available in fabric only, but can be combined with non-fabric traditional elements
- Elements are interchangeable in the field if required

Open Element (PTN)
- Creates an opening by providing a frame that finishes both sides of the panel
- Is "Self locking" and requires no additional mounting hardware

Tackable Element (PTA, PTAS)
- A fabric wrapped, tackable bulletin board with acoustic properties
- Not available for the base level of the panel
- 6" Element **cannot** be used as an Access Element or Access Door

Face Mounted Power/ Communications Element – Square Profile (APCS)
- Provides direct access to power and communications at desk height
- A Face Mounted Power/ Communication Element (APC) is also available for use when planning with traditional T/O/S Acoustic and Tackable Elements
- The snap on hinged design provides access to Panel Raceway with 26" to 29" high worksurfaces





Dot Solo **Louvered**

Architectural Glass Elements – Single or Double (PAG)
- Made of a single or double pane of tempered glass in a variety of patterns
- Single pane makes a shallow sill on one side
- 15" high can be used at all levels without a raceway
- 30" high can only be applied to 30" Add-On Module

Access Cover – Square Profile (ADSC)
- Provides a fixed cover to the Panel Raceway when planning with 26" Square Profile Base Elements
- Permits power and data access by snapping on and off without providing hinged access

Access Door (AD)
- Single hinged door that allows for desk height access to power and communications
- **Cannot** be used in place of a 6" high Element

Acoustic Elements (PAA, PAAS)
- Fabric wrapped element with acoustic properties
- 6" Element **cannot** be used as an Access Element or Access Door

Whiteboard Element (PAWN) & Whiteboard Element – Square Profile (PAWS)
- An erasable, magnetic message board
- 30" element can be used to replace two 15" elements
- Tray can be specified on the PAWN and PAWS and will be the same width as the element

Dot Solo

Architectural Access Door (PAD)
- Perforated and Embossed Elements have paramagnetic qualities
- The Perforated Element provides limited visual access and passive air circulation
- The Embossed Element has an Indented Pattern

Accessory Element (PAE)
- Designed to support Personal Organizers
- Cannot be used in an access door location
- Available in 6" and 15" heights

element basics (continued)

The following diagram illustrates elements that would commonly be used on the outside of a workstation, where power access would not likely be required.

- Two profiles are available: Traditional & Square. Square profile is available in fabric only, but can be combined with non-fabric traditional elements
- Elements are interchangeable in the field if required

Architectural Element (PAM)

- Perforated and embossed Elements have paramagnetic qualities
- The perforated Element provides limited visual access and passive air circulation
- The embossed Element has an indented pattern

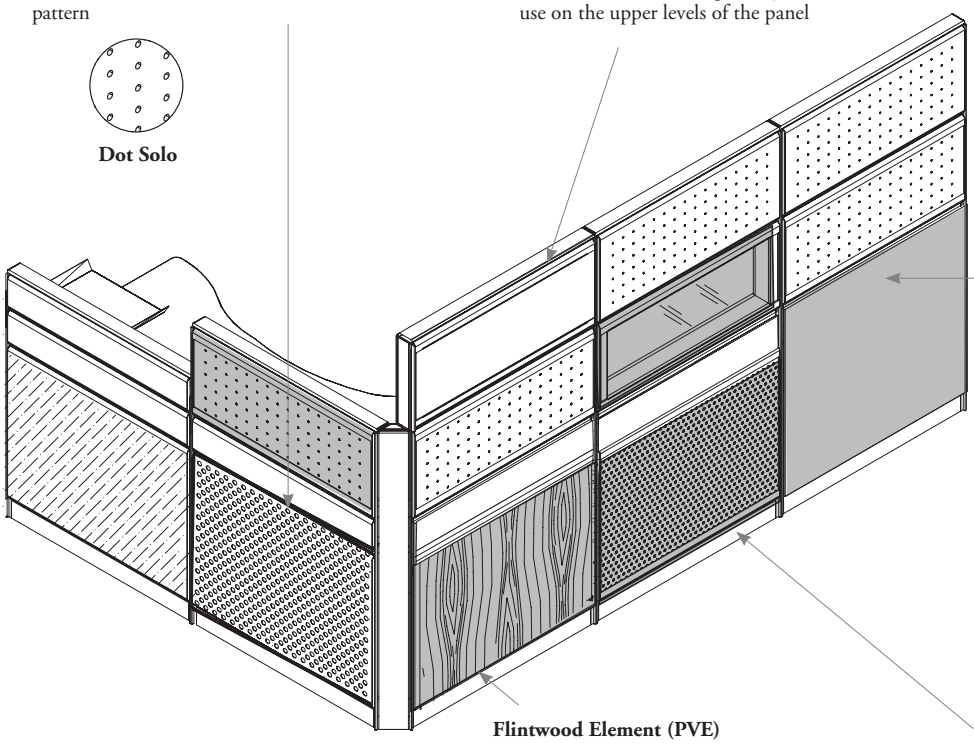
Dot Solo

Glass Elements – Single or Double (PT)

- Made of a single or double pane of tempered glass
- Single pane creates a shallow window sill on one side
- Available in the 15" height only and are for use on the upper levels of the panel

Acoustic Base Elements (PAAB, PAASB)

- Fabric wrapped Element used only at the base of a T/O/S Panel
- 32" Element provides a Single Element alternative when access to the panel raceway is not required and worksurface supports are on-modular (the 26" Element must be used in combination with an Access Door (AD), Access Cover (ADSC) or Face Mounted Power/Communications Element (APC) or (APCS))
- Off-module worksurface supports (CM29, BEM, BSE, BSL) cannot be used where 32" high Base Elements are applied



Flintwood Element (PVE)

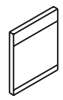
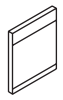
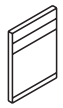
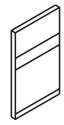
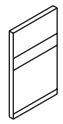
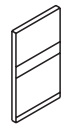
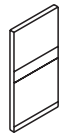
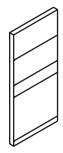
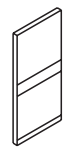
- Provides a wood finish for the panel surface
- 6" Element cannot be used as an Access Element or Access Door
- 26" Element is for use only on the base of the Panel

Grill Element (PHF)

- Has 50% open area for effective passage of air between workstations
- Finishes one side of the Panel and should be used with another Grill Element to finish the other side

element/panel compatibility chart

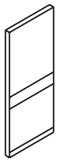
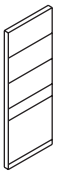
Please use the chart below to determine which elements can be used at different panel frame levels.

Panel Height		Frame Style	Element Height											
			PAA	PAAS	PAAB PAASB	PTA PTAS	AD ADSC APC APCS	ADH PADE/P	PTS	PTD PAGS/D PTN	PAE	PHF PAME/P	PAWN PAWS	PVE
36"		PE	26	n/a	26, 32	n/a	06	06	n/a	n/a	n/a	26	n/a	26
		PM	26, 36	n/a	26, 32	n/a	06	06	n/a	n/a	n/a	26	n/a	26
		PX	26	n/a	26, 32	n/a	06	06	n/a	n/a	n/a	26	n/a	26
42"		PE	06, 26	06	26, 32	06	06	06	n/a	n/a	06	26	n/a	06, 26
51"		PE	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15	15, 26
		PE_2	15, 26	15	26, 32	15	06	06	n/a	n/a	15	15, 26	15	15, 26
		PM	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15	15, 26
		PM_2	15, 26	15	26, 32	15	06	06	n/a	n/a	15	15, 26	15	15, 26
		PX	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15	15, 26
60"		PE	24, 26	24	26, 32	24	06	06	n/a	n/a	n/a	26	n/a	26
66"		PE	26, 30	30	26, 32	30	06	06	n/a	n/a	n/a	26	30	26
		PM	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15, 30	15, 26
		PM_2	15, 26	15	26, 32	15	06	06	n/a	n/a	15	15, 26	15, 30	15, 26
		PX	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15, 30	15, 26
72"		PE	26, 30	36	26, 32	36	06	06	n/a	n/a	n/a	26	n/a	26

PE = Power Panel | PM = Modular Power Panel | PX = Super Power Panel

element/panel compatibility chart (continued)

Please use the chart below to determine which elements can be used with Panel Add-Ons.

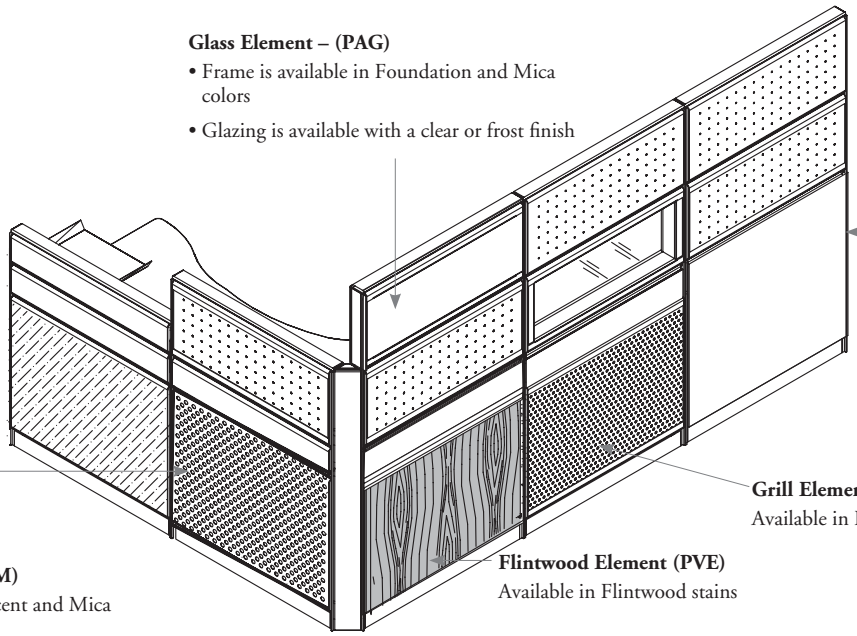
Panel Height		Frame Style	Element Height											
			PAA	PAAS	PAAB PAASB	PTA PTAS	AD ADSC APC APCS	ADH PADE/P	PTS	PTD PAGS/D PTN	PAE	PHF PAME/P	PAWN PAWS	PVE
81"		PE	26, 45	45	26, 32	45	06	06	n/a	n/a	n/a	26	n/a	26
		PM	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15, 30	15, 26
		PM_2	15, 26	15	26, 32	15	06	06	n/a	n/a	15	15, 26	15, 30	15, 26
		PX	15, 26	15	26, 32	15	06	06	15	15	15	15, 26	15, 30	15, 26

Add-On Height		Frame Style	Element Height										
			PAA PAAS	PAAB PAASB	PTA PTAS	AD ADSC APC APCS	ADH PADE/P	PTS PTD PTN PHF	PTD PAGS/D PTN	PAE	PAME/P	PAWN PAWS	PVE
06"		PX	06	n/a	06	n/a	n/a	n/a	n/a	06	n/a	n/a	06
		PXD	06	n/a	06	n/a	n/a	n/a	n/a	06	n/a	n/a	06
15"		PX	15	n/a	15	n/a	n/a	15	15	15	15	15	15
		PXD	15	n/a	15	n/a	n/a	15	15	15	15	15	15
		PXD_2	15	n/a	15	n/a	n/a	n/a	n/a	15	15	15	15
		PXL	15	n/a	15	n/a	n/a	n/a	n/a	15	15	15	15

PE = Power Panel | PM = Modular Power Panel | PX = Super Power Panel

element finishes

Elements are available in a variety of fabrics and finish colors.



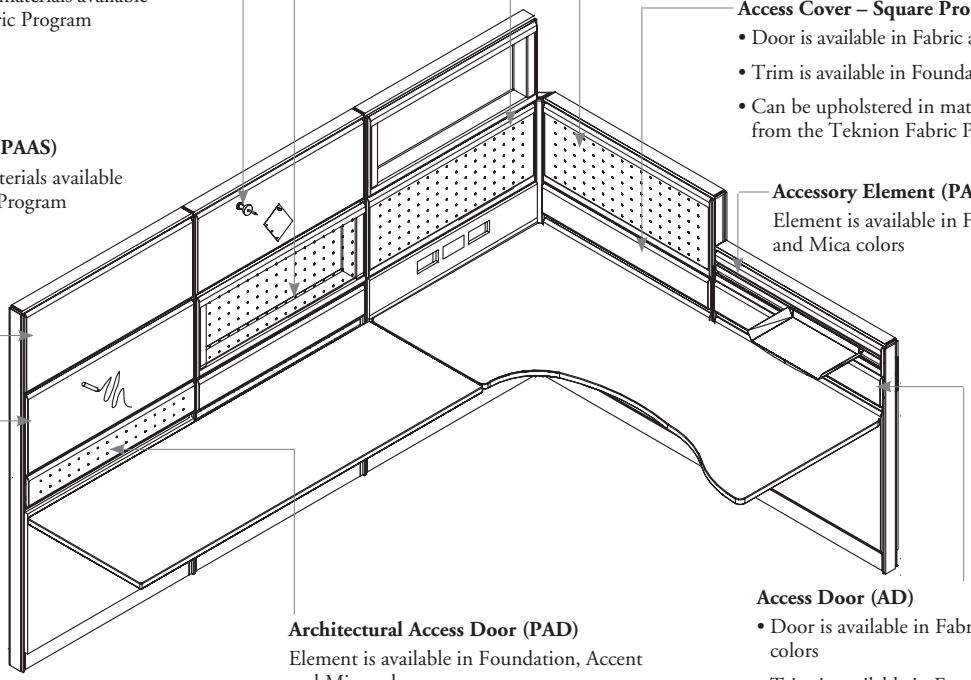
Glass Element – (PAG)
- Frame is available in Foundation and Mica colors
- Glazing is available with a clear or frost finish

Acoustic Base Element (PAAB, PAASB)
Can be upholstered in materials available from the Teknion Fabric Program

Grill Element (PHF)
Available in Foundation and Mica colors

Flintwood Element (PVE)
Available in Flintwood stains

Architectural Element (PAM)
Available in Foundation, Accent and Mica colors



Face Mounted Power/Communications Element – Square Profile (APCS)
- Trim is available in Foundation and Mica colors
- Can be upholstered in materials available from the Teknion Fabric Program

Open Element (PT)
Frame is available in Foundation and Mica colors

Architectural Glass Element (PAG)
Frame is available in Foundation and Mica colors

Tackable Element (PTA, PTAS)
Can be upholstered in materials available from the Teknion Fabric Program

Access Cover – Square Profile (ADSC)
- Door is available in Fabric and Flintwood colors
- Trim is available in Foundation and Mica colors
- Can be upholstered in materials available from the Teknion Fabric Program

Acoustic Element (PAA, PAAS)
Can be upholstered in materials available from the Teknion Fabric Program

Accessory Element (PAE)
Element is available in Foundation, Accent and Mica colors

Architectural Access Door (PAD)
Element is available in Foundation, Accent and Mica colors

Access Door (AD)
- Door is available in Fabric and Flintwood colors
- Trim is available in Foundation and Mica colors
- Can be upholstered in materials available from the Teknion Fabric Program

Whiteboard Element (PAWN/PAWS)
Tray finish is available in Foundation and Mica colors

worksurfaces & countertops

worksurfaces & countertops

worksurfaces & countertops basics

Worksurfaces and countertops are panel-mounted and designed for use with all T/O/S panel types.

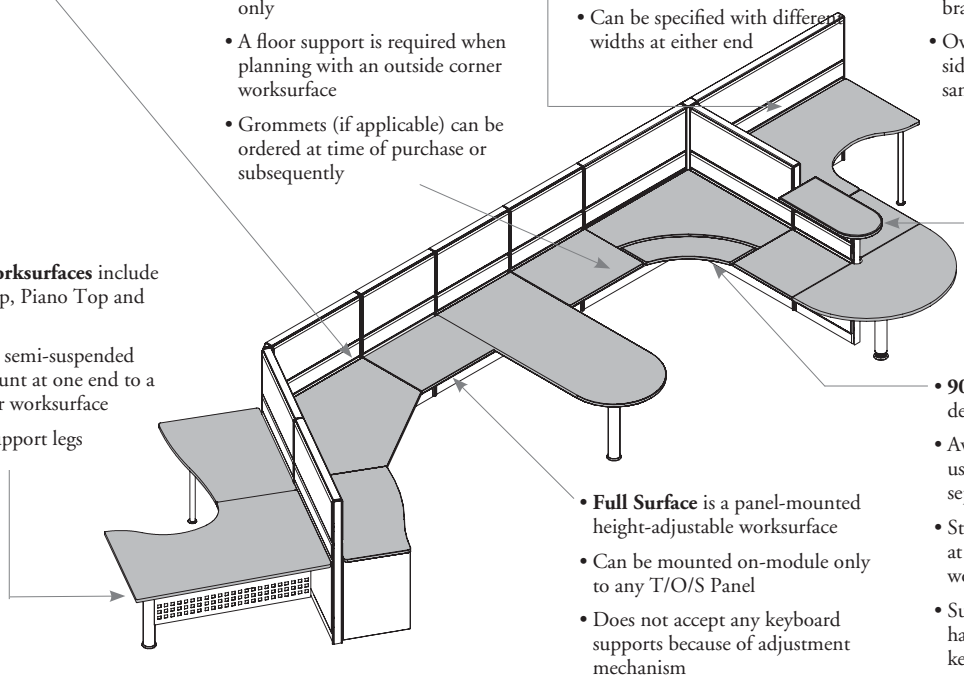
- Worksurfaces may not span more than 60" without additional support
- Can be panel-mounted on-or off-module
- Worksurface support hardware must be ordered separately
- If the countertop specified is wider than 36", it is possible for it to span two panels (e.g. one 72" wide countertop over two 36" wide connected panels)

- **120°Corner Worksurfaces** are designed for use in 120° corners
- The straight edge is ideal for mounting a keyboard support
- Can be mounted on- or off-module
- One grommet is included at the back corner of the worksurface

- **Straight Worksurfaces** include Rectangular , EDP (straight and curved), Straight Transition and Outside Corner Worksurfaces
- Are panel-mounted and provide a primary or secondary surface
- Can be used on- or-off module when suspended from a panel, except on the Outside Corner Worksurface, which is on-module only
- A floor support is required when planning with an outside corner worksurface
- Grommets (if applicable) can be ordered at time of purchase or subsequently

- EDP surface can be specified with either a straight or curved profile to work in conjunction with a Standard Corner Surface
- **Extended Corner Worksurfaces** combine a rectangular and corner worksurface to provide one continuous surface
- Can be mounted on- or off-module
- Can be specified with different widths at either end

- Can be specified with a grommet on the back corner
- **Countertops** can be used alone or together with other counter top types to create transaction surfaces and fit any T/O/S panel
- Top Trim (Metal or Flintwood) of the panel to which the countertop is being mounted must be specified so that proper support brackets can be supplied
- Overlap the panel by 7" on either side, and should be specified the same width as the panel

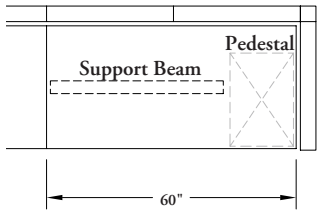


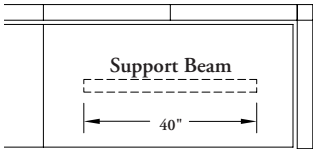
- **Guesting Worksurfaces** include the Bullet Top, Piano Top and D-Top
- All except are semi-suspended and must mount at one end to a panel or other worksurface
- All include support legs

- **Full Surface** is a panel-mounted height-adjustable worksurface
- Can be mounted on-module only to any T/O/S Panel
- Does not accept any keyboard supports because of adjustment mechanism

- **90° Corner Worksurfaces** designed for use in 90° corners
- Available with straight or curved user edges which will support a separate keyboard
- Standard with one grommet at the back corner of the worksurface
- Surfaces with keyboard cut-outs have a 1" gap surrounding the keyboard surface

- **Seamless Finish Worksurface** widths greater than 48" will be accompanied by an adjustable support beam
- Support beam can be fitted to the left or right when applying pedestal storage underneath
- Accept Keyboard Trays and Accessories
- With a support beam must include a Spacer Bracket. Please see Complements: *Teknion's Ergonomics & Accessories Program*
- With a support beam will **not** accept Pelican Drawers (DPD21, DPD61)
- Will not accept Stretch Pedestals or Two-High Laterals with worksurfaces greater than 48" in width





Finishes

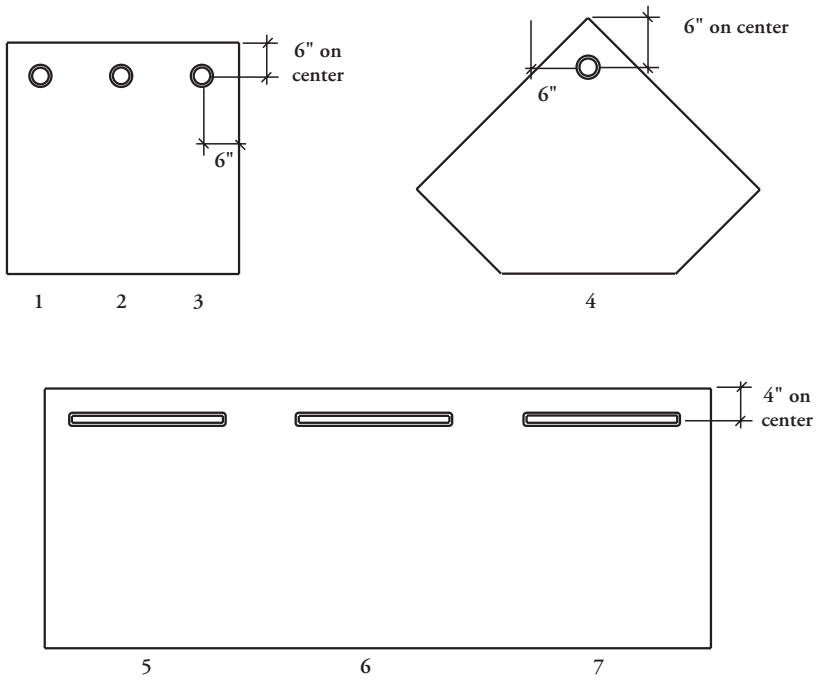
- Worksurfaces are available in Foundation Laminate, Flintwood stains and Seamless Colors
- Edge trim styles include Slim, Bullnose, Straight, Flintwood Straight, Flintwood Slim, Seamless Knife, Seamless Flat and Seamless Eased
- Flintwood and Seamless edge trims will be finished to match the surface
- Supports, when included are available in Foundation, Mica and Accent colors
- Not all finishes are available on every worksurface. Please see individual product pages for details

grommet & monoleg styles

The following illustrates the grommet locations offered on T/O/S worksurfaces.

The following restrictions apply when using seamless worksurfaces

grommet styles



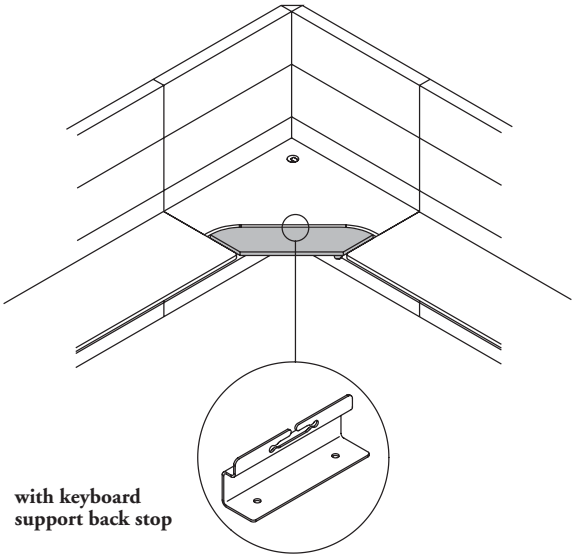
grommet locations

1 Wire Left
2 Wire Center
3 Wire Right
4 Wire Five-Sided Corner
5 Paper Left
6 Paper Center
7 Paper Right

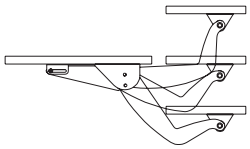
keyboard support surfaces

90° Split Corner Worksurfaces with Keyboard Support provide a wide tray and mouse-support solution in panel-mounted environments.

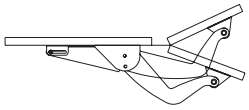
- Must be panel-mounted using Handed Cantilevers (CT) with panels on both sides
- Can be panel-mounted at 1" increments in height. The surface has a secondary adjustable keyboard surface that adjusts independently in height and tilt



with keyboard support back stop



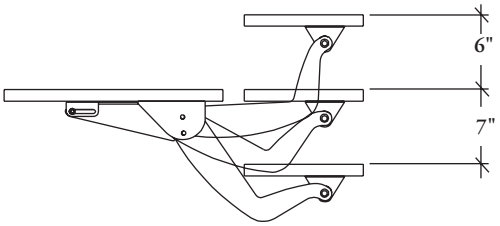
90° Split Corner Worksurface with Curved Keyboard Support (WSCX)

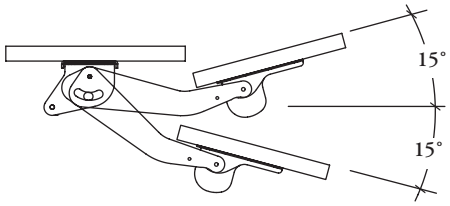


90° Split Corner Worksurface with Keyboard Support (WPSX)

All split corner worksurfaces with keyboard support include a keyboard support backstop which prevents keyboards from sliding off the worksurface when placed in its negative tilt position

keyboard support adjustment mechanism



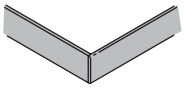
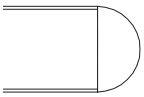
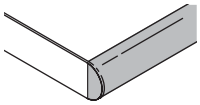
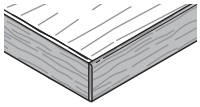
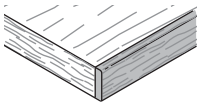
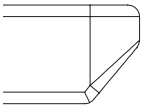
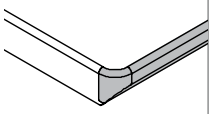
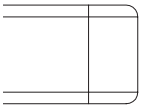
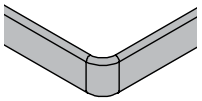
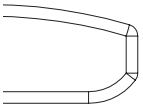
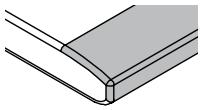


- The standard keyboard height adjustment range is, 13" overall (7" above the worksurface and 6" below the worksurface)
- Height adjustment is activated by a release paddle located on the right underside of the support the tilt adjustment range is +15° to -15°
- It is adjusted with a tension knob located on the underside of the support

edge trim style overview

The chart below indicates which edge trim can be specified with all T/O/S worksurfaces.

Shading indicates user edge

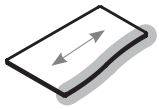
	Foundation Laminate Surface	Seamless Color Surface	Flintwood Surface	Non-User Edge
Straight (6)  **All Edges**		n/a	n/a	Straight (6)
Bullnose (2)  **User Edge Only**		n/a	n/a	Finished to coordinate with the worksurface
Flintwood Straight (7)  **All Edges**	n/a	n/a		Flintwood Straight (7)
Flintwood Slim (4)  **User Edge Only**	n/a	n/a		Finished to coordinate with the worksurface
Seamless Knife (K)  **User Edge Only**	n/a		n/a	Finished in a coordinating flat trim
Seamless Flat (G)  **All Edges**	n/a		n/a	Seamless Flat (G)
Seamless Eased (E)  **User Edge Only**	n/a		n/a	Finished in a coordinating flat trim

grain direction / user edge

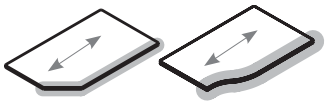
The illustrations below show the grain direction of Laminate worksurfaces.

- Grain direction is an important factor when planning workstation configurations, if a different grain direction is required, please contact your Teknion Customer Service Representative
- The pattern/grain direction of Laminate and worksurfaces varies depending on the type of worksurface specified
- Shading indicates user edge

Rectangular Worksurface (WS)



Straight Transition Worksurface (WST)



EDP Worksurface Straight & Curved (WST)

90° Corner Worksurface (WPS)

90° Split Corner Worksurface with Curved Keyboard Support (WSCX)

90° Split Worksurface with Keyboard Support (WPSX)

90° Corner Worksurface with Curve (WSC) (Grain Direction dependent on width specified. See price guide)

90° Extended Radius Corner Worksurface (WERC)

120° Corner Worksurface (WFS)

Outside Corner Worksurface (WR)

Bullet Top (WSR)

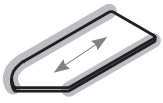
Piano Top (WSN)

Transition Corner Worksurface with Return (WSTR)

D-Top (WSD)

Rectangular Countertop (WC)

Bullet Countertops (WC)



90° Curved Countertop (WCC90)

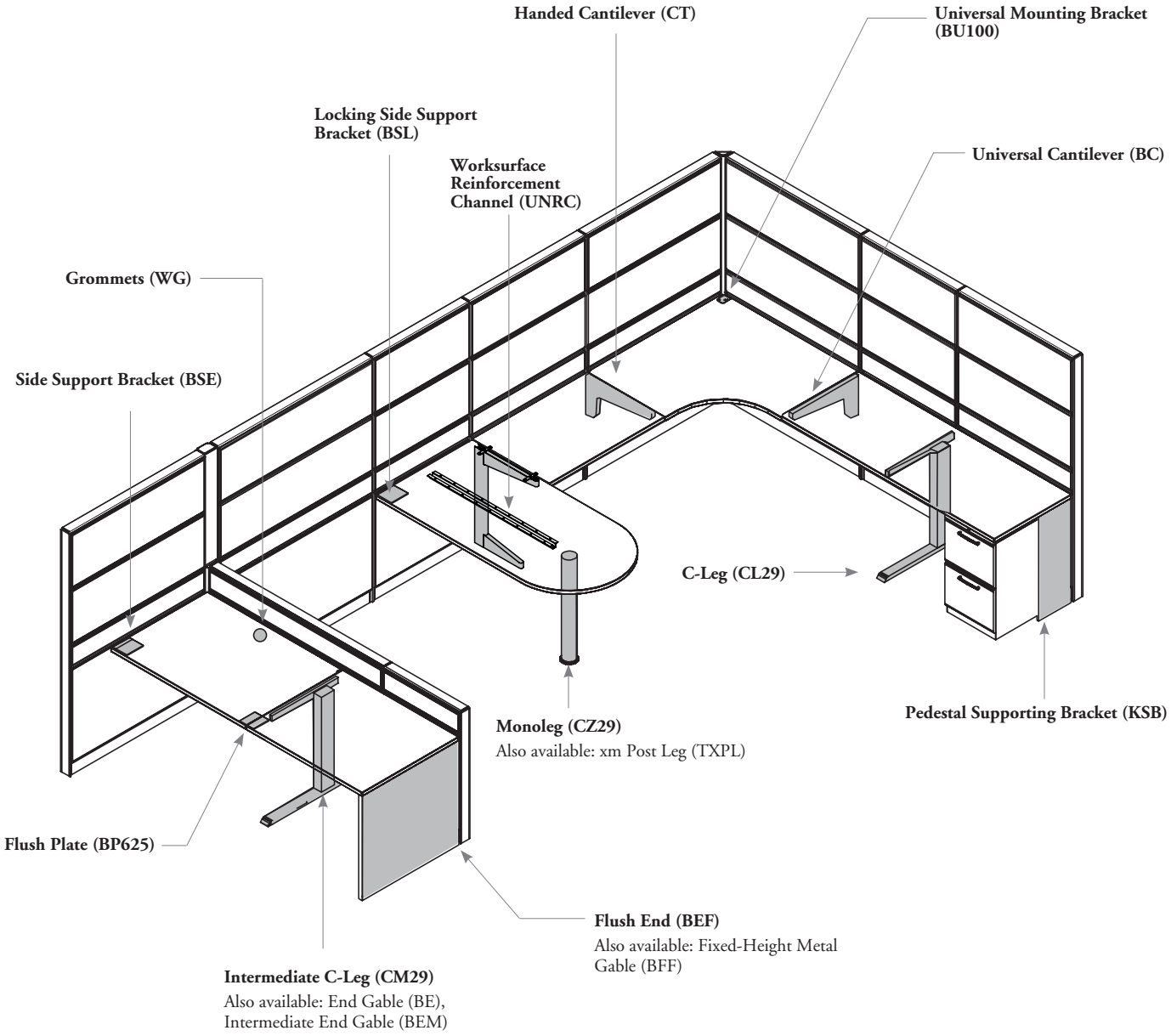
worksurface supports & accessories

worksurface supports & accessories

worksurface support & accessory overview

Worksurface Supports are used to provide stability and support both on- and off-module as primary and secondary supports for T/O/S worksurfaces.

- One support is required at the end of each worksurface (may be shared)
- Worksurfaces may not span more than 60" without additional support or 120" without additional floor support
- Always use the longest support available for the worksurface depth chosen



worksurface floor support basics

In workstation configurations, floor support is required at specific intervals to provide adequate support. The following components can be used.

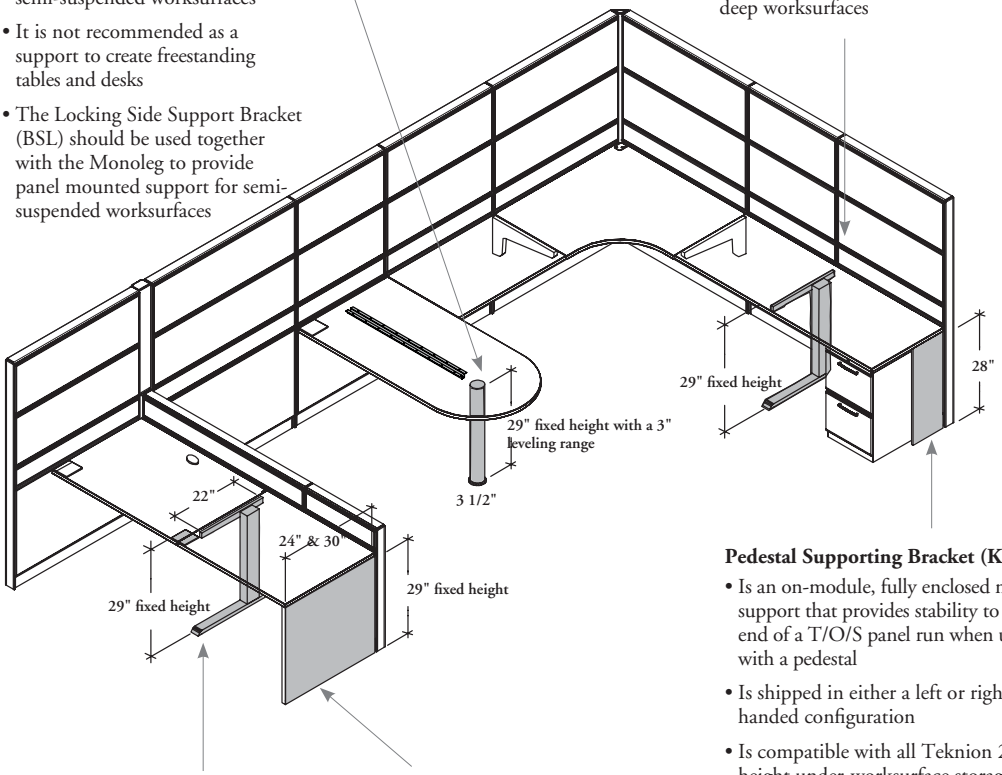
- Worksurfaces may not span more than 60" without additional support
- C-Legs and gables are and pre-assembled as left or right however they can be easily changed in the field
- C-Legs and gables can be used for single or dual support

Monoleg (CZ29)

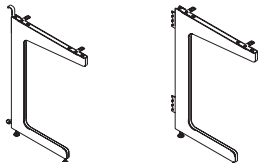
- The monoleg is a single, cylindrical leg designed to be used in conjunction with panel mounted supports to support semi-suspended worksurfaces
- It is not recommended as a support to create freestanding tables and desks
- The Locking Side Support Bracket (BSL) should be used together with the Monoleg to provide panel mounted support for semi-suspended worksurfaces

C-Leg (CL29)

- A panel-mounted non handed,on-module primary worksurface support
- Can be used to support 24" and 30" deep worksurfaces



Also Available:



End Gables (BE and BEM)

- Are panel-mounted, non-handed, off module primary worksurface supports
- Can be used to support 24" and 30" deep worksurfaces
- Are designed with an integral safety hook that prevents dislocation from the panel
- Flush Plates (BP625) are recommended for joining and aligning worksurfaces

Pedestal Supporting Bracket (KSB)

- Is an on-module, fully enclosed metal support that provides stability to the end of a T/O/S panel run when used with a pedestal
- Is shipped in either a left or right handed configuration
- Is compatible with all Teknion 27" height under-worksurface storage products
- Is designed to match the depth of all standard worksurfaces

Intermediate C-Leg (CM29)

- Is a panel-mounted non handed, off-module primary worksurface support
- Can be used to support 24" and 30" deep worksurfaces
- Has integral safety hook to prevent dislocation from the Panel
- Cannot be applied to panels where 32" Base Elements (PAAB and PAABS) are used

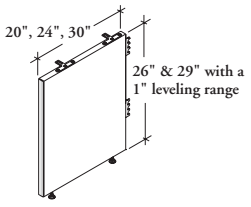
Flush End (BEF)

- Is an on-module primary support that can be used for single or dual worksurface support in a left, right or shared position
- Is designed to match the depth of all standard worksurfaces

or

Fixed-Height Metal Gable (BFF)

- An alternative panel-mounted, handed support providing fully enclosed support at the end of a run of panel-mounted worksurfaces
- Designed to match 24" and 30" deep worksurfaces
- Is handed and can be installed on either the left or right hand side



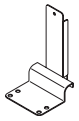
Finishes

- The following items are available in Foundation and Mica colors
  - End Gables
  - C-Legs
  - Monoleg
  - Pedestal Supporting Brackets
- Flush Ends are available in Foundation Laminates and Flintwood stains with Slim and Flintwood Slim end style options
- Fixed-Height Metal Gables are available in Grade 1 and Grade 2 colors
- xm Post Leg levelers are Anodized Aluminum

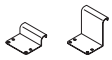
worksurface support basics

The following supports are used to support worksurface corners and the connection between two worksurfaces, and are used when no additional floor support is required.

- Cantilevers are height-adjustable in increments of 1" and are designed with an integral safety hook preventing dislocation from the Panel
- For maximum stability, specify the largest Cantilever possible (i.e., 18" Cantilever to support 19" and 20" deep worksurfaces, 22" Cantilever to support 24" deep + worksurfaces)
- Side Support Brackets (BSE, BSL) cannot be applied to panels where 32" Base Elements (PAAB and PAABS) are used

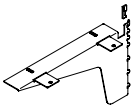


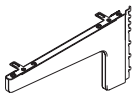
Locking Side Support Bracket (BSL)
- Is a lockable, off-module bracket that supports the ends of a Semi-Suspended worksurface
- Must be used for all Semi-Suspended Worksurface Tops (WSR, WSP, WPC, WSN)
- Supports worksurfaces at 29" height



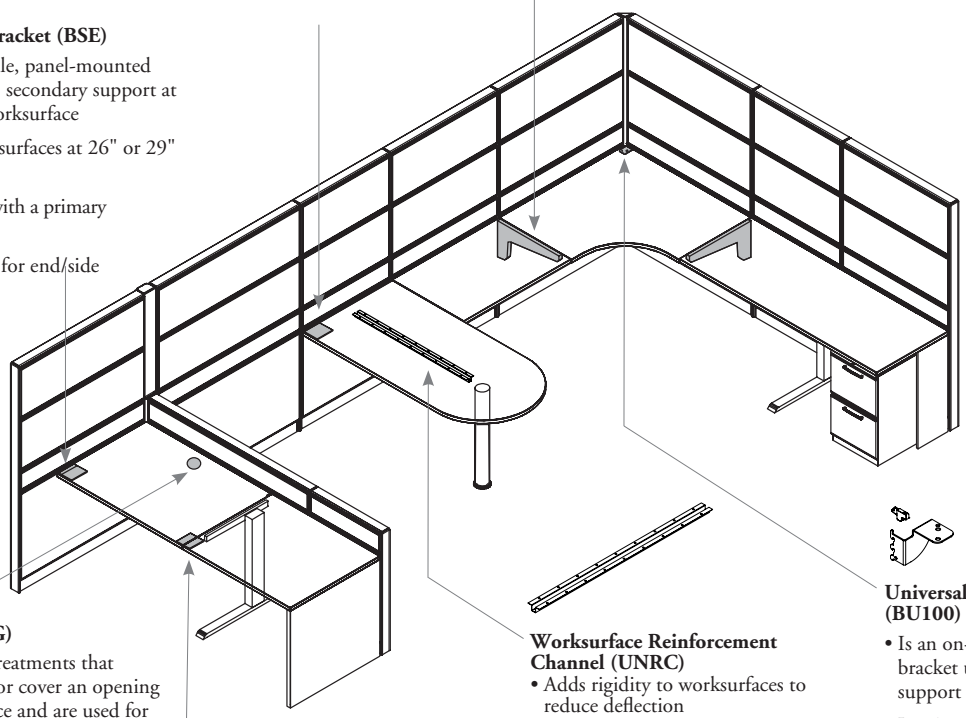
Side Support Bracket (BSE)
- Is an off-module, panel-mounted bracket used as secondary support at the end of a worksurface
- Supports worksurfaces at 26" or 29" height
- Must be used with a primary support
- Is mainly used for end/side support

Handed Cantilever (CT)
- Provides on-module primary support for a single worksurface or two worksurfaces in a shared situation
- 12" provides support for 24" deep split corner surfaces
- Flush Plates (BP625) are recommended for use with 30" deep surfaces

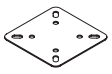




Universal Cantilever (BC)
- Is a non handed, on-module, single or dual primary support which can be applied as a left, right or central support
- Is pre-assembled as a left or right, however can be easily changed in the field
- Flush Plates (BP625) are recommended for use with 30" deep surfaces



Grommets (WG)
- Are finishing treatments that surround and/or cover an opening in a worksurface and are used for wire and paper management
- WG300 – Wire Grommet is used for wire and cable management
- WG117 – Paper Grommet brings paper from a tray below the worksurface to a printer on the worksurface
- When specified and installed subsequent to worksurface purchase, it is the responsibility of the customer to arrange grommet installation
- Are available as a standard with many worksurface types



Flush Plate (BP625)
- Aligns adjacent worksurfaces
- Is used with other worksurface supports
- Provides additional alignment in situations where cantilevers are recessed from the user edge when joining two 30" deep worksurfaces

Worksurface Reinforcement Channel (UNRC)
- Adds rigidity to worksurfaces to reduce deflection
- Must be used on all worksurfaces with an unsupported span over 48" wide
- Reinforcement Channel is specified 12" shorter than the unsupported span of the worksurface it is being applied to (6" on either side to allow for mounting plates of other supports)

Universal Mounting Bracket (BU100)
- Is an on-module panel-mounted bracket used as a secondary support for a worksurface
- Is primarily used for end/side and corner support
- Must be used with a primary support

Finishes
- The following items are available in Foundation and Mica colors
  - Cantilevers
  - Universal Mounting Brackets
  - Side Support Brackets
- Flush Plates are Black

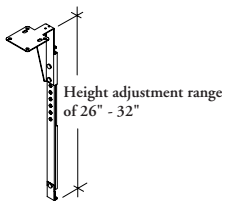
lyft worksurface support basics

The Lyft system requires specific supports for mounting to either Lyft Thin Panels or T/O/S Panels.

Worksurface spans cannot extend beyond the end of a Lyft Thin Panel Run

Adjustable-Height Thin Panel Mount Bracket (HWBA)

- Mounts to the mid rail and lower rail of Lyft Standard and Segmented Thin Panels, providing worksurface support
- The Bracket positions the back edge of worksurfaces to Lyft Panels with the same spacing as T/O/S Panels to worksurfaces
- Can be used in a shared configuration off-module
- Cannot be used with Lyft End Gables (HEG) or Lyft Worksurface Supporting Pedestal Kits (HWP) at heights other than 29"

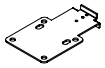


End Gable (HEG)

- Connects to Lyft Thin Panels and worksurfaces to provide structural support at the end of a worksurface run
- Is non-handed and can be mounted on- or off-module to Standard Lyft Thin Panels and Segmented Lyft Thin Panels
- Cannot be mounted to a T/O/S panel
- Is not to be used as a shared worksurface support
- Worksurfaces are supported at a fixed height of 29" with leveling capability
- Match End Gable depth specification to the depth of the worksurface it is applied
- An optional non-handed Infill Panel is available to enclose the under-worksurface area to the same raised height as Lyft Thin Panels

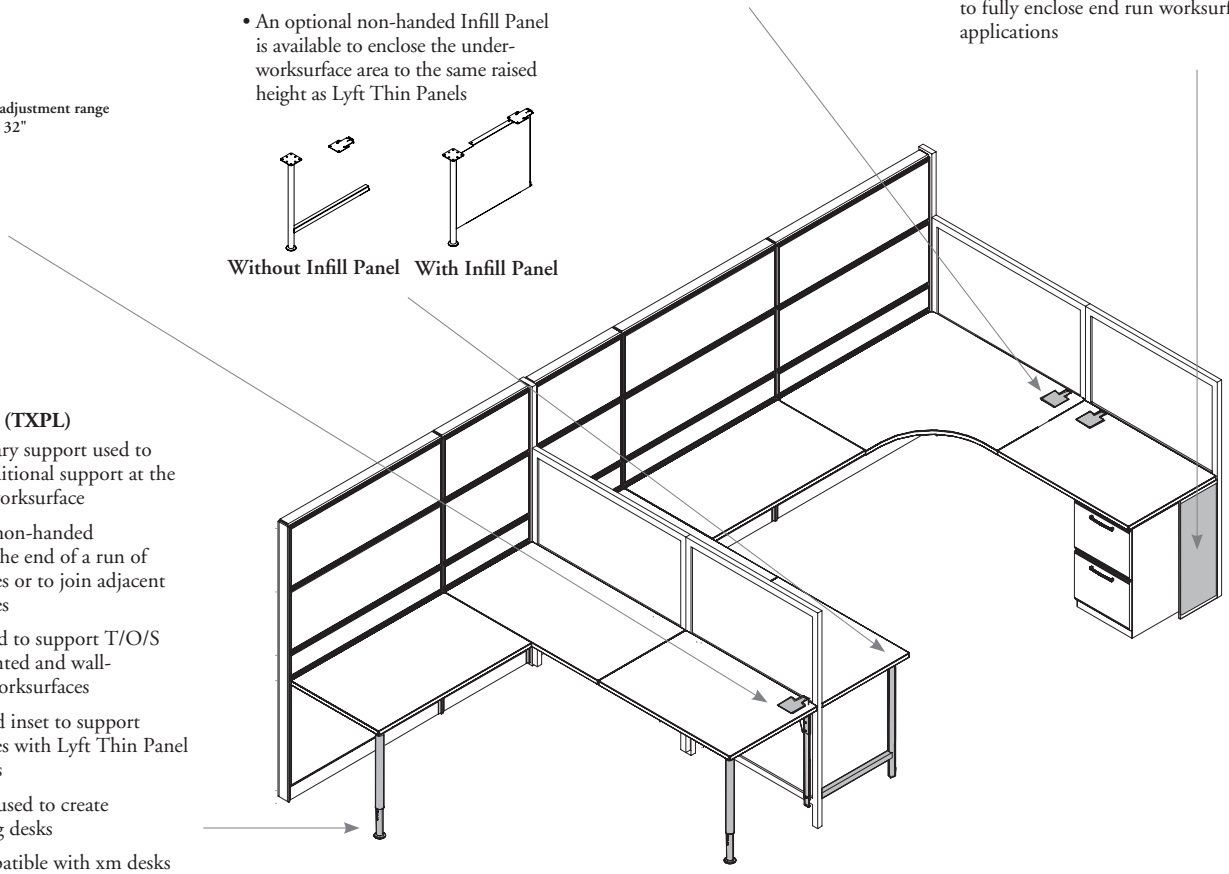
Fixed-Height Thin Panel Mount Bracket (HWB)

- Mounts to the mid rail of Lyft standard and segmented Thin Panels
- Provides worksurface support at a height of 29"
- Positions the edge of the worksurface to Lyft Thin Panels with the same spacing as T/O/S panels to the worksurface
- Is also required mid span for single worksurfaces that span over 60"



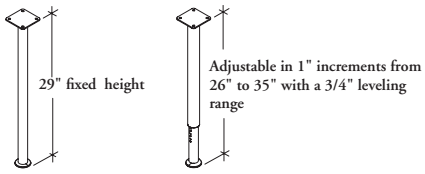
Worksurface Supporting Pedestal Kit (HWP)

- In combination with a pedestal provides structural support when mounted to worksurfaces and Lyft Thin Panels used
- The kit is non-handed
- Pedestal depth must be less than the worksurface depth to which it is applied
- Is not to be used as a shared worksurface support. Its' application is to support end of worksurface runs
- Is compatible with Lyft Standard and Segmented Thin Panels only
- An optional Filler Panel is available to fully enclose end run worksurface applications



xm Post Leg (TXPL)

- Is a secondary support used to provide additional support at the front of a worksurface
- Provides a non-handed support at the end of a run of worksurfaces or to join adjacent worksurfaces
- May be used to support T/O/S panel-mounted and wall-mounted worksurfaces
- Can be used inset to support worksurfaces with Lyft Thin Panel applications
- Cannot be used to create freestanding desks
- Is not compatible with xm desks



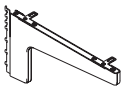
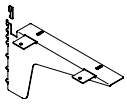
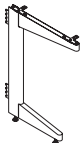
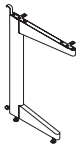
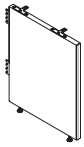
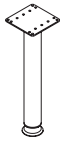
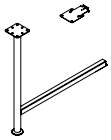
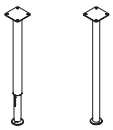
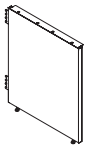
Finishes

Lyft products are available in Foundation and Mica colors

worksurface support features chart

The following chart identifies T/O/S worksurface support features.

cantilevers and legs

	Universal Cantilever (BC)	Handed Cantilever (CT)	C-Leg (CL29)	Intermediate C-Leg (CM29)	Flush End (BEF)	Monoleg (CZ29)	End Gable (Lyft) (HEG)	xm Post Leg (TXPL)	Fixed Height Metal Gable (BFF)
									
worksurface depth / height options	18", 22" Depths	12", 18", 22" Depths	22" Depth 29" Height	22" Depth 29" Height	20", 24", 30" Depths 26", 29" Heights	3 1/2" Dia.	20", 30" Depths 29" Height	26" to 35" Heights	24", 30" Depths
On-module						n/a		n/a	
Off-module						n/a		n/a	n/a
Integral safety hook						n/a		n/a	n/a
Single support only									
Single and dual support									
Fixed-height									
Adjustable height									
Left, right or shared position						**n/a**	**n/a**	**n/a**	

	Does Not Have Feature		Has Feature	n/a	Not Applicable

worksurface support features chart (continued)

The following chart identifies T/O/S worksurface support features.

brackets

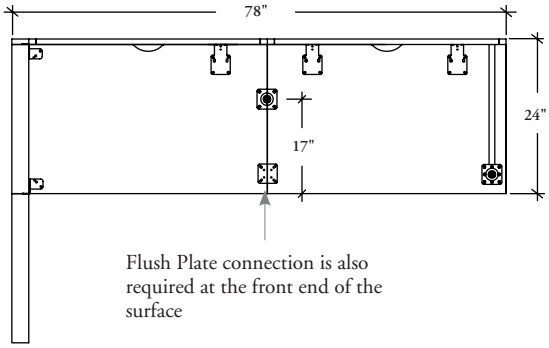
	Universal Mounting Bracket (BU100)	Side Support Bracket (BSE)	Locking Side Support Bracket (BSL)	Pedestal Supporting Bracket (KSB)	Worksurface Supporting Pedestal Kit (Lyft) (HWP)	Fixed Height Thin Panel Mount Bracket (HWB)	Adjustable Height Thin Panel Mount Bracket (HWBA)
worksurface depth / height options	n/a	26", 29" Heights	29" Height	24", 30" Depths 29" Height	24", 30" Depths 29" Height	29" Height	26" to 32" Height
On-module	■			■	■	■	■
Off-module		■	■	■	■	■	■
Integral safety hook	■						
Single support only	■	■	■	■	■		
Single and dual support						■	■
Fixed-height		■	■	■	■	■	
Adjustable height	■						■

	Does Not Have Feature	■	Has Feature

planning with worksurface supports for lyft

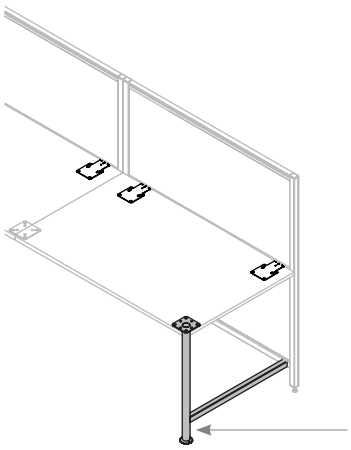
The following rules apply when planning worksurface support for Lyft Thin Panels.

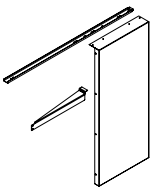
Worksurface spans cannot extend beyond the end of a Lyft Thin Panel run



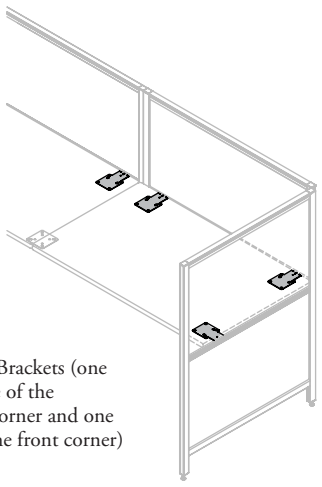
worksurface spans

- On Lyft Thin Panel runs with one or more worksurfaces, an inset xm Post Leg (TXPL) is required to provide additional support to the following worksurface spans:
  - 24" deep worksurface span over 78"
  - 30" deep worksurface span over 60"
- xm Post Legs are inset 17" from the user edge and should be used at mid span on a single worksurface or at the junction of two worksurfaces (Flush Plate connection is also required at the front end of the surface)
- A Fixed-Height Thin Panel Mount Bracket (HWB) is also required mid span for single worksurfaces that span over 60"





Worksurface Support Pedestal Kit (HWP)



Thin Panel Mount Brackets (one bracket at back edge of the worksurface at the corner and one at the side edge at the front corner)

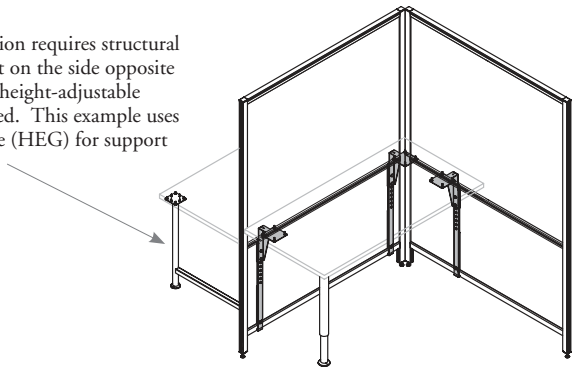
supporting the end of a worksurface run

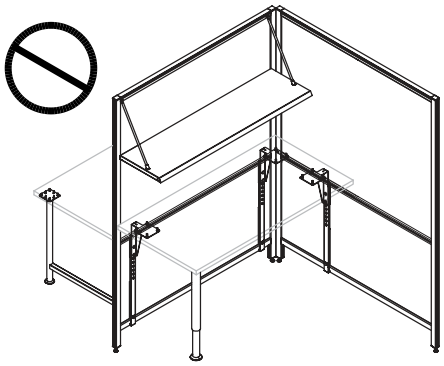
- At the end of a worksurface run, where the back edge of the worksurface is connected to a Lyft Standard or Segmented Thin Panel, one of the following support options is required at the worksurface end:
  - Lyft End Gable
  - Lyft Worksurface Supporting Pedestal Kit
  - Lyft return Panel with Fixed-Height Thin Panel Mount Brackets (one bracket at back edge of the worksurface at the corner and one at the side edge at the front corner)
  - Lyft return Panel with height-adjustable Thin Panel Mount Brackets (one bracket at back edge of the worksurface at the corner and one at the side edge at the front corner)

planning with worksurface supports for lyft (continued)

The following rules apply when planning worksurface support for Lyft Thin Panels.

This application requires structural panel support on the side opposite to where the height-adjustable post leg is used. This example uses an End Gable (HEG) for support





Adjustable Height Thin Panel Mount Brackets (HWBA)

- Follow the same application guidelines as Fixed-Height Thin Panel Mount Brackets (HWB) with the following exceptions:
  - The Adjustable Height Thin Panel Mount Bracket is to be used with Variable Height xm Post Legs (TXPL2). Variable Height Post Legs do not provide panel support
  - The Adjustable Height Thin Panel Mount Bracket cannot be used with Lyft End Gables (HEG) or Lyft Worksurface Supporting Pedestal Kits (HWP) at heights other than 29"
  - Mounted storage is not permitted on a Lyft Thin Panel run stabilized by a height-adjustable Post Leg and Adjustable Height Thin Panel Mount Brackets. Please see the Mounted Storage section for Lyft Thin Panel Applications

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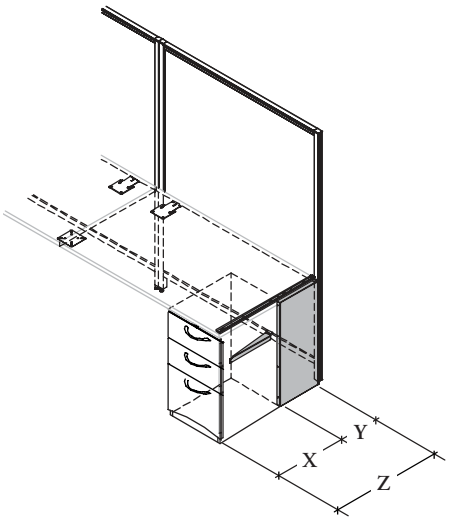
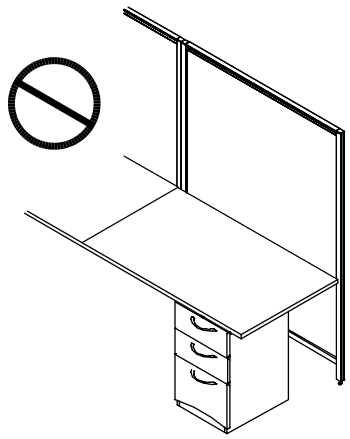
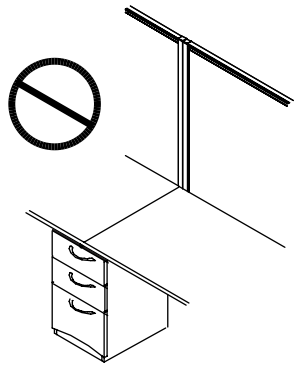
Worksurface Supporting Pedestal Kit (HWP)



X = 18"-22" For 24" Worksurface Depth
X = 18"-22"-28" For 30" Worksurface Depth
Y = Gap Range
Z = 24" or 30" Worksurface Depth



To be used only as and end of worksurface run support



Not to be used as a shared worksurface support

mounted storage & accessories

mounted storage & accessories

mounted storage basics

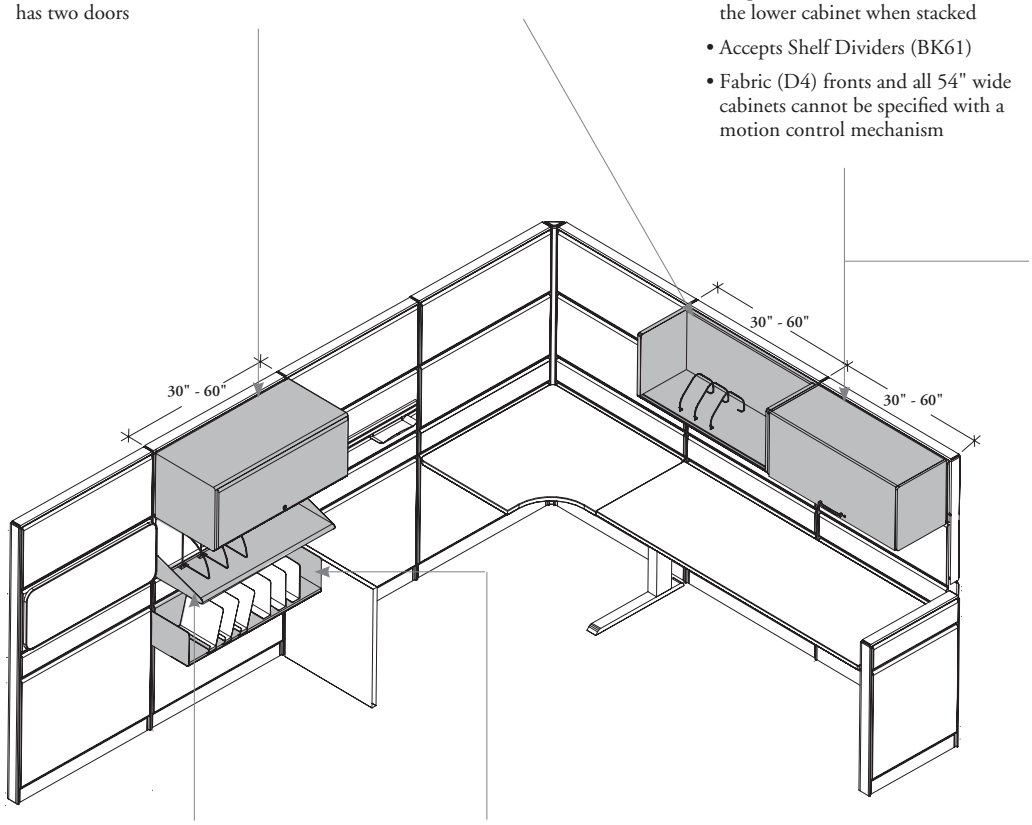
T/O/S offers a variety of panel-mounted on-module storage units that provide open storage within the workstation.

- On-Module Hooks are available and must be specified if required
- Cabinets are available with locks keyed alike to match other storage components or keyed randomly for a dedicated lock
- The Universal Light (TU200) and Utility Light (TY) can be mounted to the underside of cabinets and shelves

Flipper Door Unit (S)
- Must be hung on-module when hung on Power Panels (PE)
- Door retracts inside if case is metal
- 30" - 48" has one door, 54" & 60" has two doors

Shelves (Double Wall/Open Storage) (S)
- Must be hung on-module when hung on Power Panels (PE)
- Accept Wire Book Organizers (BK60)

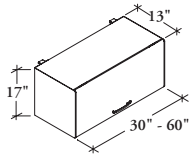
Overhead Cabinet (DSF)
- Must be hung on-module when hung on Power Panels (PE)
- Door retracts outside/over the cabinet
- Requires a 2" door clearance above the lower cabinet when stacked
- Accepts Shelf Dividers (BK61)
- Fabric (D4) fronts and all 54" wide cabinets cannot be specified with a motion control mechanism



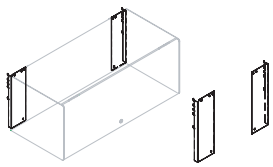
- When applying the Utility Light to an Overhead Cabinet (DSF) or a Shelf (DSO) specify width one size smaller than the width of the Cabinet or Shelf, (e.g., 24" shelf specify an 18" Utility Light, 42" Cabinet, specify a 36" Utility Light

or

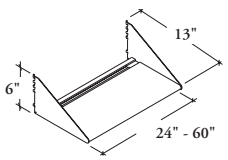
A4 Overhead Cabinet (DSFM)
- A metric-height panel-mounted, on- or off-module lockable storage on it for A4 files
- Cannot be applied on a 30" high element
- 30" - 48" has one door, 54", 60" has two doors



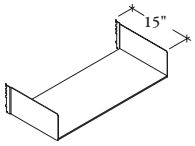
On-Module Hooks (SFOM)
- Can be attached to the back of the Overhead Cabinet (DSF) or A4 Overhead Cabinet (DSFM) to enable on-module mounting to any straight T/O/S Panel
- Incorporates an integral safety hook, which prevents the overhead cabinet from being dislodged from the panel when struck from the bottom



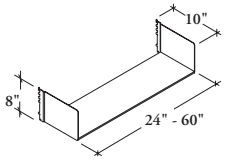
Shelf (DSO)
- Bracket (of the DSO, the Single Wall and the EDP shelf) incorporates an integral safety hook which prevents the shelf from being dislodged from the Panel when struck from the bottom
- Accepts Shelf Dividers (BK61)
- When applying the Utility Light to an Overhead Cabinet (DSF) or a Shelf (DSO) specify width one size smaller than the width of the Cabinet or Shelf, (e.g., 24" shelf specify an 18" Utility Light, 42" Cabinet, specify a 36" Utility Light



Shelves (Single Wall/EDP) (S)
- Can be hung on-module only

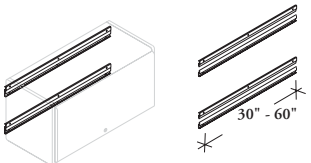


EDP Shelf



Single Wall Shelf

Wall Adapters (Horizontal, Single/ Double Component) (FC)
- Allow overhead storage and accessories to mount to walls
- Are intended to be wall mounted. It is the customer's responsibility to ensure that it is securely installed and that the wall is appropriately prepared
- Width of the horizontal component wall adapter should match the width of the cabinet
- Are for use with Overhead Cabinets (DSF, DSFM), Double Wall Shelf (SS), Open Storage Shelf (SO) and Flipper Door Units (SF/SFC)



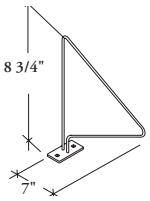
Finishes
- Cabinet cases and shelves are available in Foundation and Mica colors
- Metal door fronts will match case finish
- Fabric door fronts can be upholstered in fabrics from Teknion's standard fabric program
- Handles are finished in Foundation colors

mounted accessory basics

T/O/S offers a variety of accessories that can be hung inside or outside a workstation to facilitate organization of the workstation.

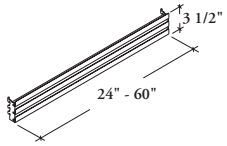
Shelf Divider (BK61)

- Separates books, paper, binders and other items on the Shelf (DSO) and in the Overhead Cabinet (DSF) only
- Inserts into the rail at the back of the Overhead Cabinet (DSF) or Shelf (DSO) and can be positioned anywhere along its length



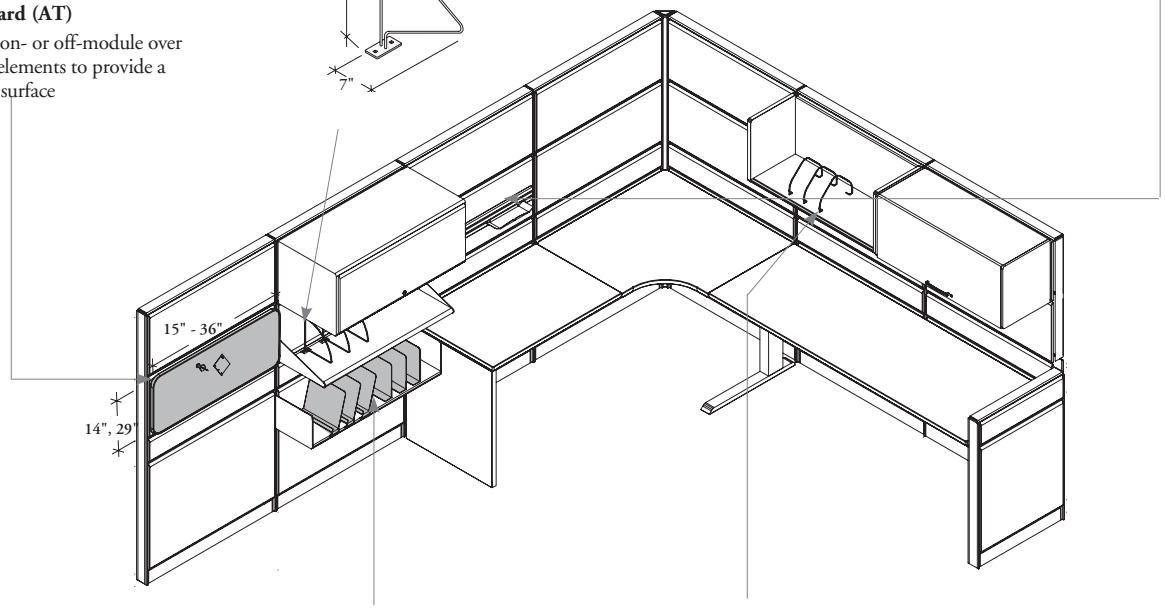
Accessory Rail (PAR)

- Is designed to support Personal Organizers (PAX)
- Can only be attached into the hingeway on a Fabric Covered Element (PAA, PTA)
- Fits all panels
- Two rails are required on-module to provide adequate support for Binder Bins (PAX95). Up to three rails can be attached over a single 15" element
- Cannot be attached at the same level when coming together in a corner situation
- Lighting wire management clips cannot be attached in the same hingeway



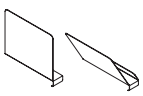
Tackboard (AT)

Mounts on- or off-module over existing elements to provide a tackable surface



Shelf Divider and Paper Organizer (BK)

- Organizes paper and books on a Single Wall Shelf (SB) or EDP Shelf (SE)
- Sits vertically on a shelf(s) on an angle



Wire Book Organizer (BK60)

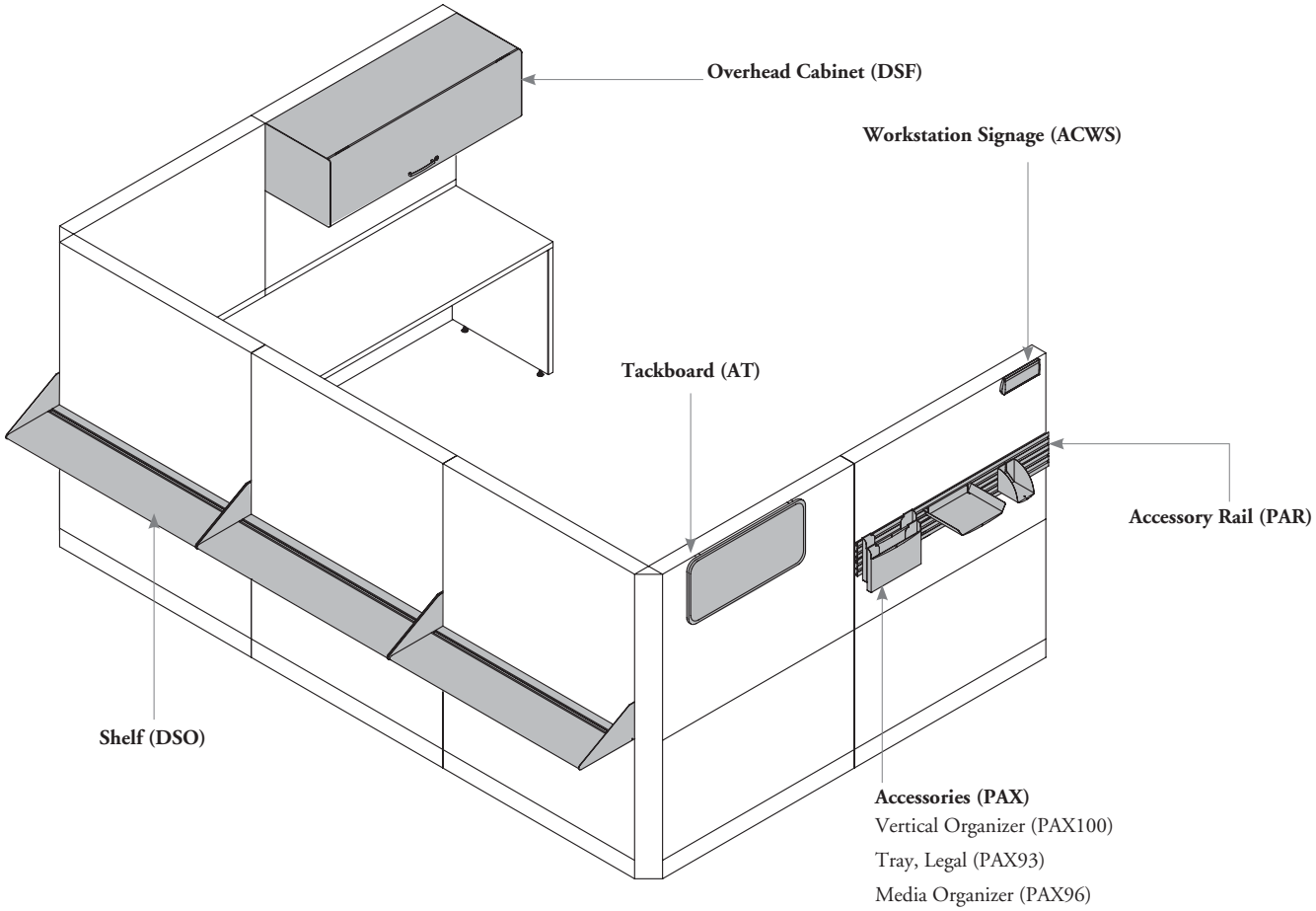
- Facilitates the organization of books and binders in a Double Wall Shelf (SS), Open Storage Shelf (SO), or Flipper Door Unit (SF/SFC)
- Mount into the channels at the front and back shelf bottom anywhere along the length of the shelf

Finishes

- Accessories are available in Foundation, Mica or Accent colors, unless otherwise specified
- Tackboard is available in Panel Fabric selections

planning with mounted storage

The following illustrates how Mounted Storage and Accessories can be applied to the inside or outside of a workstation.



- Applications of T/O/S mounted storage are not limited to the interior of the workstation
- The exterior of the panels can accept mounted storage to facilitate the organization of items shared by a group
- The Workstation Signage (ACWS), Vertical Organizer (PAX100), Tray;Legal (PAX93) and Media Organizer (PAX96) must be ordered through Complements: *Teknion's Ergonomics & Accessories* Program
- Two levels of storage can be hung to a maximum height of 66" provided there is a return panel at least 30" wide

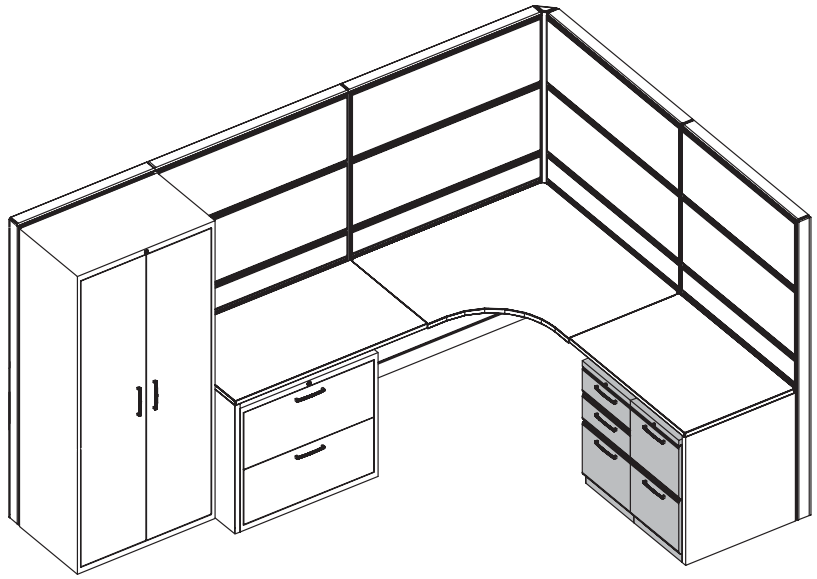
freestanding storage & accessories

freestanding storage & accessories

pedestal basics

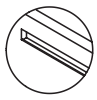
T/O/S offers various options for pedestal cabinets.

- Pedestals are available with locks keyed alike to match other storage components or keyed randomly for a dedicated lock
- Counterweights are required for all pedestals with or without casters, with the exception of 27.2" high pedestals (BBF, LF) permanently situated under a worksurface
- Levelers can be adjusted up to 1"

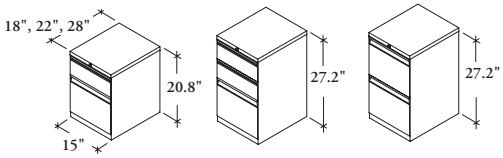


Pedestal (DSN)

- Provides storage below the worksurface and is available in a variety of drawer configurations and depths
- Box file configuration will fit under height-adjustable, panel-mounted worksurfaces
- May be specified to support worksurface when (BBF) Box, Box, File or (LF) Large File, File Drawer Configurations are selected
- Drawer interiors extend the full interior depth of the pedestal except for 28" deep Box (B). For these drawer sizes the interior drawer depth is actually 22"



Full Pull



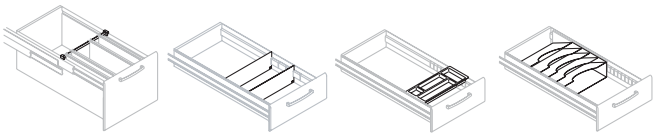
Box, File

Box, Box, File
(Shown in layout)

Large File, File
(Shown in layout)

Pedestal Accessories (DA)

Included with pedestals as noted on the product page; additional accessories may be ordered separately as necessary



Hanging File Bar

Drawer Divider

Pencil Tray

Stationary Insert
Can be specified for drawer depths of 18", 22" and 28"

Finishes

- Cabinets are available with metal fronts available in Foundation or Mica colors
- Locks have a Brushed Chrome finish
- Accessories are Black except for Hanging File Bars which have a Chrome finish

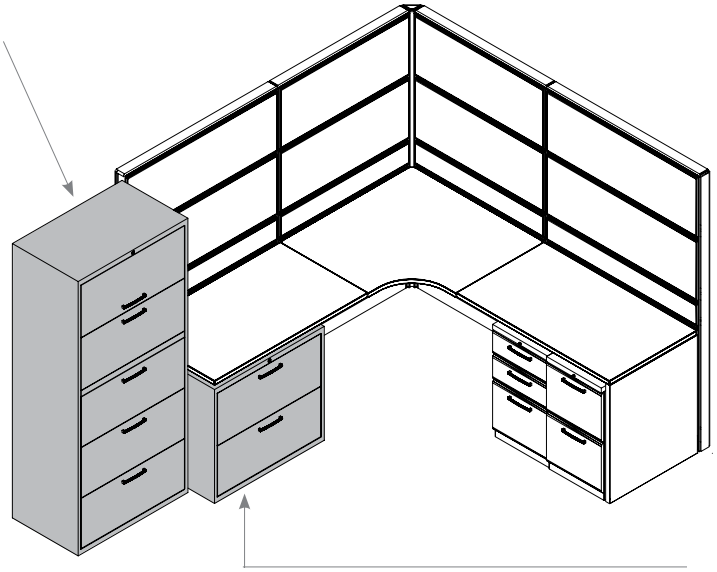
lateral file basics

T/O/S offers various options for lateral filing cabinets.

- Lateral Cabinets are available with locks keyed alike to match other storage components or keyed randomly for a dedicated lock
- Counterweights are required for all cabinets not located under a worksurface
- Levelers can be adjusted up to 1"

Lateral File Cabinets (LTL)

- Are available in a variety of heights to provide high-density filing and organized storage
- Heights are designed to align with Storage Cabinet (LTS)
- One-high can be stacked on top of another file unit (only one per unit). They must be bolted together and a counterweight installed in the lower unit
- Four-high units available in 51" and 54" heights based on drawer configuration
- 51" & 66" high storage cabinets align with panel heights



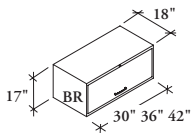
Full Pull

Standard Pull
(Shown in layout)

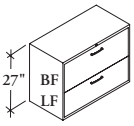
Standard Pull
(Shown in layout)

Workstation Lateral (DLSN)

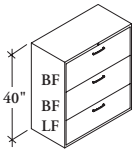
- Provides storage beneath the worksurface
- Is designed to match aesthetically with the standard pull pedestal



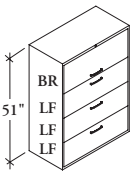
One-High



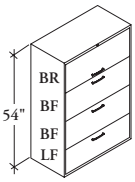
Two-High



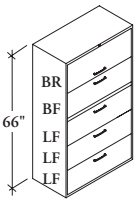
Three-High



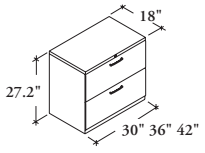
Four-High



Four-High

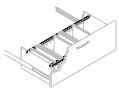


Five High

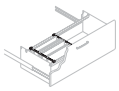


Lateral File Accessories (FA)

Included with laterals as noted on the product page; additional accessories may be ordered separately as necessary

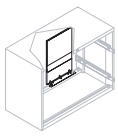


Hanging File Bars

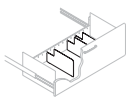


Cross File Bars

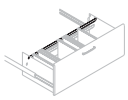
Counterweight A



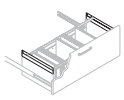
Counterweight B



Divider Plates



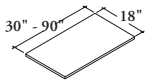
Legal-to-Letter



EDP Adapter

Lateral File Top (FA)

- Available in the same finishes as T/O/S worksurfaces and can be applied to the top of a Lateral File (DLSN/LTL), Storage Cabinet (LTS), or Wardrobe Cabinet (LTW)
- Accepts all T/O/S trim styles. Available trims are applied to the finished edge only, remaining sides have a Flat Edge
- Flintwood edge trims will be finished to match the surface



Finishes

- Cabinets are available with metal fronts in Foundation or Mica colors
- Locks have a Brushed Chrome finish
- Standard handle pulls are available in Foundation colors while full pull handles will be finished to match the case
- Accessories are Black except for Cross File Bars which have a Chrome finish

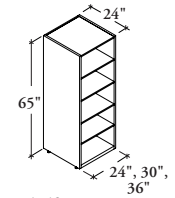
freestanding storage basics

T/O/S freestanding storage is an extensive storage system that responds to a variety of diverse information management needs.

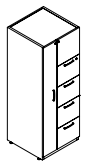
- Storage Cabinets are available with locks keyed alike to match other storage components or keyed randomly for a dedicated lock
- Levelers can be adjusted up to 1"

Hi-Fiver Cabinets (GSF, GS)

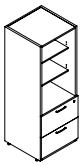
- Are freestanding and provide enclosed and open storage space in the workstation
- Cannot support a worksurface
- The coat rod is installed on the left side of the Hi-Fiver Coat Storage (Divided) but can be retrofitted to the right
- File drawers store letter and legal-size documents
- All shelves are adjustable in approximately 1" increments



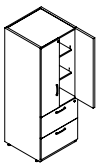
Shelf Storage (GSS) (Shown in layout)



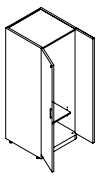
Coat & File Storage (GSF) (Shown in layout)



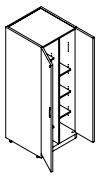
Shelves & File Storage (GSW)



Cupboard & File Storage (GSU)

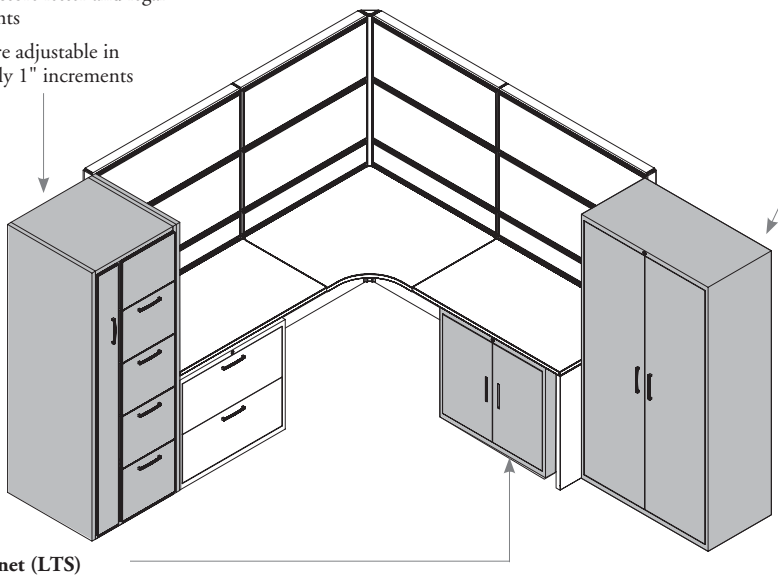


Coat Storage - Undivided (GSC)



Coat Storage -Divided (GSCD)

Standard Pull



Wardrobe Cabinet (LTW)

- Are available in a divided or undivided configuration
- Interior options are factory-installed, the coat rod is hung front-to-back (not side-to-side) to accommodate hangers
- Knockouts are located in the side panels for hanging cabinets
- Walls are slotted in 1" increments for shelf adjustment
- Hat shelves in the 36" and 42" wide divided cabinets are the same size
- Height matches all other Five-High Storage Cabinets

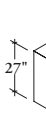
Available for LTW and LTS Cabinets

Full Pull

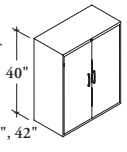
Standard Pull

Storage Cabinet (LTS)

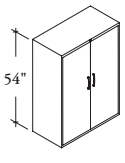
- Are available in a variety of heights with adjustable shelves to provide enclosed storage
- Heights are designed to align with Lateral Files (FF)
- Knockouts are located in the side panels for ganging of cabinets
- Walls are slotted in 1" increments for shelf adjustment
- Four-high units are available in 50", 54" heights based on drawer configuration
- 50" high lateral file aligns with panel heights



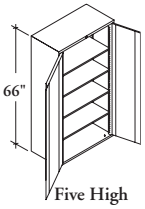
Two-High



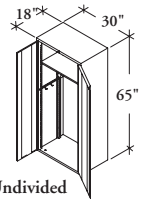
Three-High



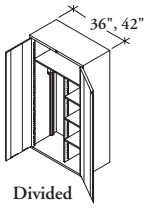
Four-High



Five High



Undivided

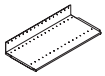


Divided

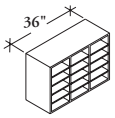
Cabinet Accessories (SA)

Included with cabinets as noted on the product page; additional accessories may be ordered separately as necessary

Shelf



Slotted Shelf



Max Storage Module (freestanding unit)

Max Storage Trays

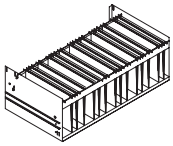
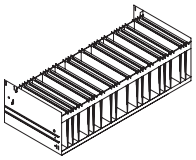
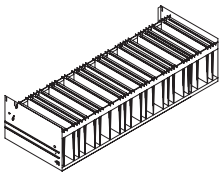
Finishes

- Cabinets are available with metal fronts in Foundation or Mica colors
- Locks have a Brushed Chrome finish
- Standard handle pulls are available in Foundation colors while full pull handles will be finished to match the case
- Accessories are available in Foundation and Mica colors

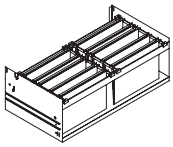
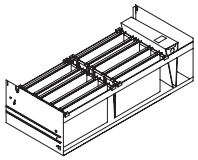
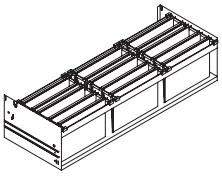
lateral file drawer capacity

The following charts indicate the filing capacity of Lateral File Drawers (LF).

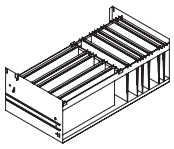
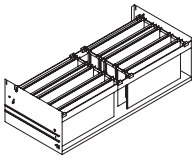
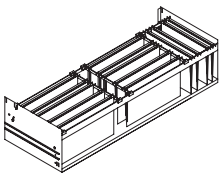
All measurements are in lineal inches and centimeters

Side-to-side	30" w	36" w	42" w
One-High	26-5/8" / 68 cm	32-5/8" / 83 cm	38-5/8" / 98 cm
Two-High	53-1/4" / 135 cm	65-1/4" / 166 cm	77-1/4" / 196 cm
Three-High	79-13/16" / 203 cm	97-13/16" / 249 cm	115-13/16" / 294 cm
Four-High	106-1/2" / 271 cm	130-1/2" / 331 cm	154-1/2" / 392 cm
Five-High	133-1/4" / 338 cm	163-1/4" / 414 cm	193-1/4" / 490 cm

Front-to-back/Letter	30" w	36" w	42" w
One-High	30-1/2" / 77 cm	37" / 94 cm	45-3/4" / 116 cm
Two-High	61" / 155 cm	74" / 188 cm	91-1/2" / 232 cm
Three-High	91-1/2" / 232 cm	111" / 282 cm	137-1/4" / 349 cm
Four-High	122" / 310 cm	148" / 376 cm	183" / 465 cm
Five-High	152-1/2" / 387 cm	185" / 470 cm	228-3/4" / 581 cm

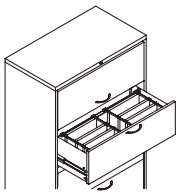
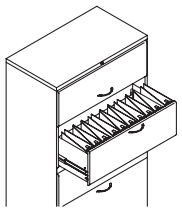
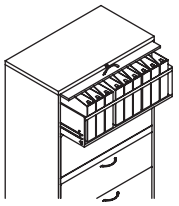




Front-to-back/Legal	30" w	36" w	42" w
One-High	25-1/4" / 64 cm	30-1/2" / 77 cm	37" / 94 cm
Two-High	50-1/2" / 128 cm	61" / 155 cm	74" / 188 cm
Three-High	75-3/4" / 192 cm	91-1/2" / 232 cm	111" / 282 cm
Four-High	101" / 257 cm	122" / 310 cm	148" / 376 cm
Five-High	126-1/4" / 320 cm	152-1/2" / 387 cm	185" / 470 cm

lateral file drawer types

Lateral files consist of a few drawer types. Below is a guide on how to choose the right type of drawer for your application.

The location of each drawer type as labeled on each product page, is fixed. See appropriate product page for details

Module Code	Drawer Type	Drawing	Applications
LF	Fixed Drawer, Letter Size		• Drawer extends for easy access to files from any position • Drawer for hanging files • Accommodates letter and A4 size documents, but not binders
BF	Fixed Drawer, Binder Size		• Drawer extends for easy access to files from any position • Drawer for binders • Accommodates binders as well as hanging files of letter and A4 size documents
BR	Receding Front, Binder Size		• Easy access to storage is provided by pull-out shelf • Drawer recedes into cabinet • Accommodates binders as well as hanging files of letter and A4 size documents

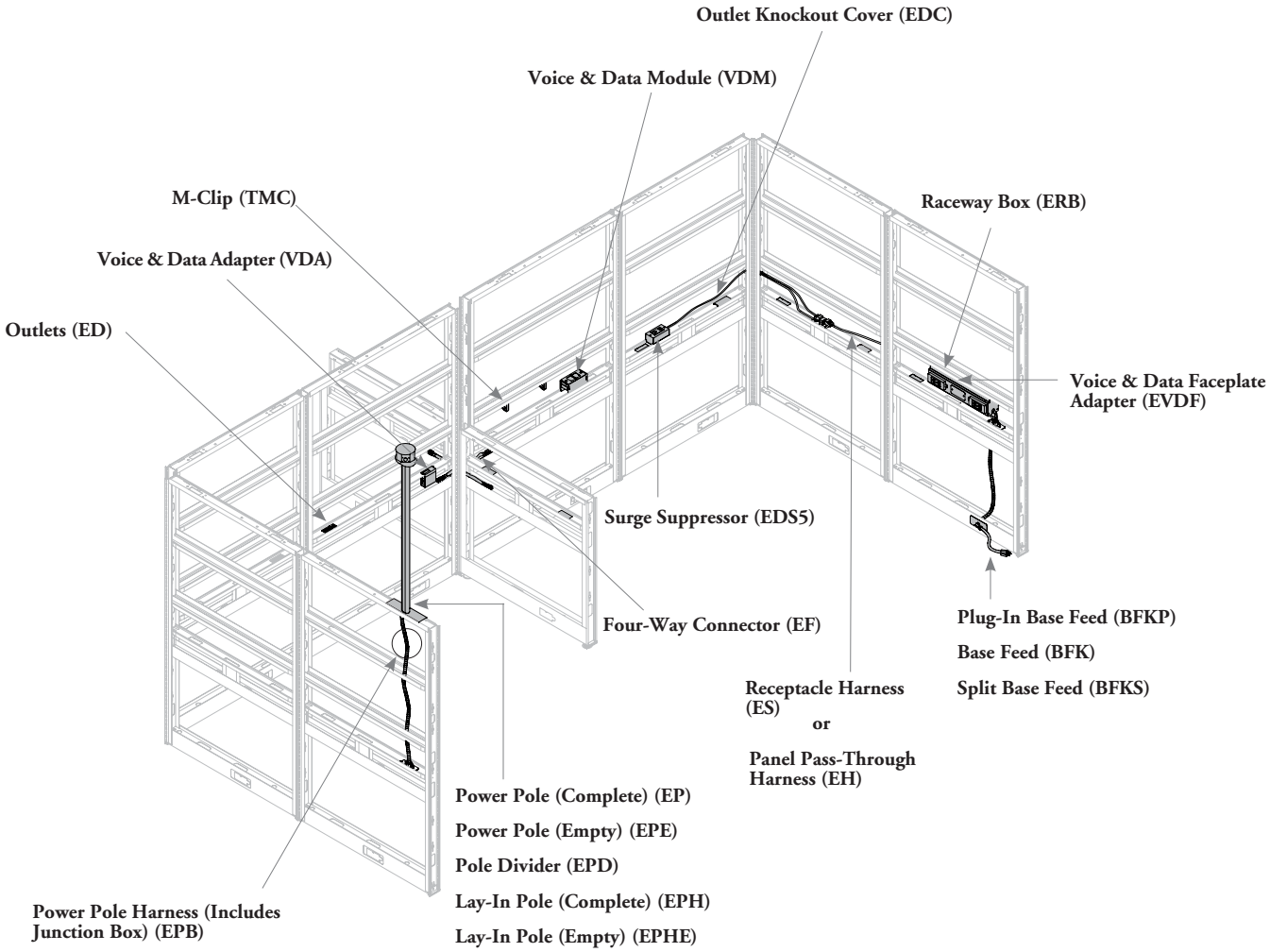
lighting, electrics & communications

lighting, electrics & communications

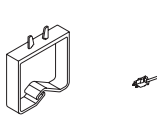
lighting, electrics & communications overview

T/O/S offers a variety of lighting, electrical and communications components.

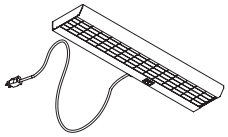
- Local codes must be checked to ensure compliance
- The electrical contractor is responsible for power distribution in order to obtain a balanced system within the limits of the building



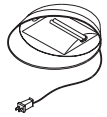
Also available but not illustrated:



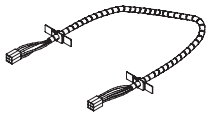
M-Clip (TMC)



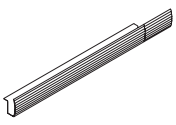
Slim Profile Utility Light (TYRT)

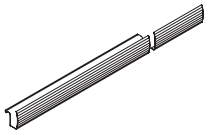


Universal Light (TU)

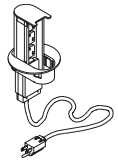


No Raceway Jumper (EI)





Worksurface Tray (TZW), Panel Tray (TZP) or Bridge Tray (TZB)

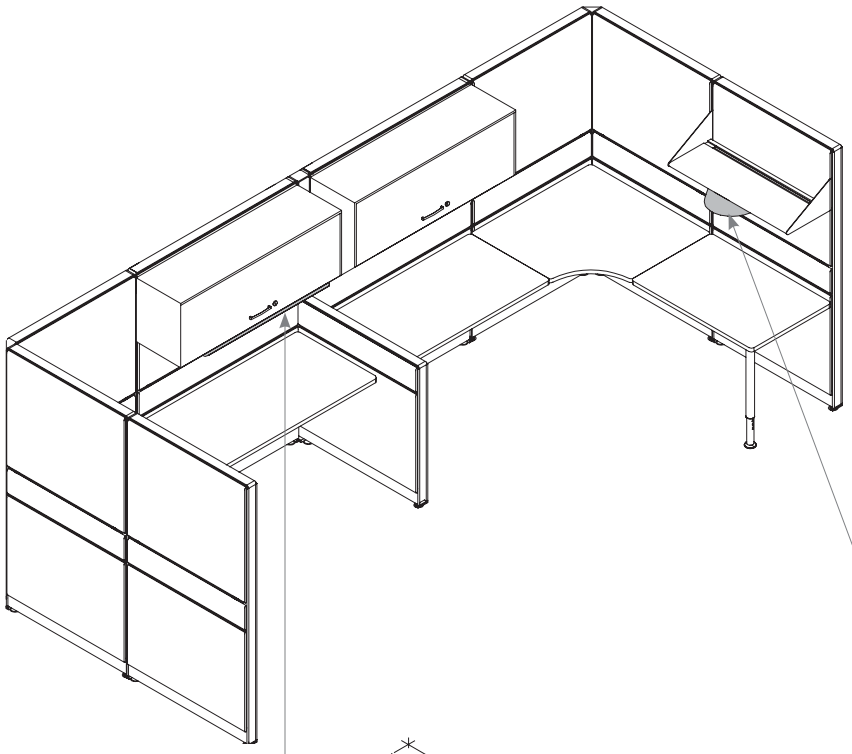


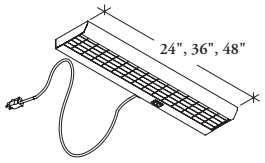
Retractable Power Center (EPC)

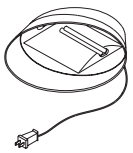
lighting basics

A variety of lighting options are available, to provide both ambient and task lighting.

All lighting products include energy-efficient fluorescent tubes





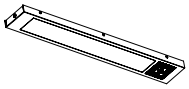


Slim Profile Utility Light (TYRT)

- Is clip-mounted to the underside of the Overhead Cabinet (DSF), Shelf (DSO) and Hutch with Flipper Door (GHF)
- Provides movable side-to-side task lighting for the worksurface
- Has a 108" long cord that can be concealed with a wire management clip that routes the wire to power to the outlets at the access door level
- Electronic ballasts (normal power factor) are cooler, quieter and more energy efficient than standard ballasts

Universal Light (TU)

- Is magnetic and provides task lighting for the worksurface
- Has a 108" long cord that can be concealed in the vertical upright of the Panel and is managed with a wire management clip that routes it to power and the access level
- Built-in resettable breaker option is available for installation in Canada/ U.S.A. only

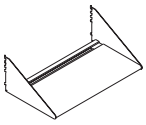
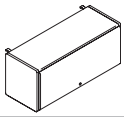
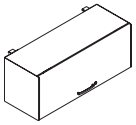
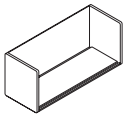
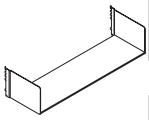
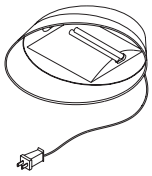
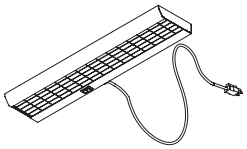


Also Available:

Conflux Undercabinet (YLCU)
Please see Complements: *Teknion's Ergonomics & Accessories Program*

storage/lighting compatibility chart

This compatibility chart illustrates which lights can be mounted on T/O/S storage products.

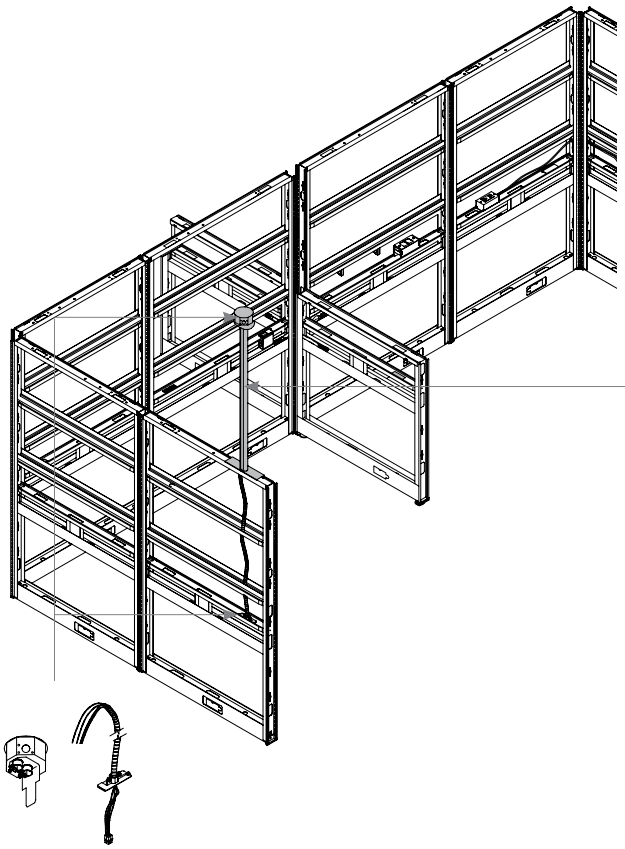
	Shelf (DSO) 	Flipper Door (S) 	Overhead Cabinet (DSF) 	Shelves/ Double Wall/Open Storage (SS/SO) 	Shelves (S) 	Hutch with Flipper door (GHF) 
Universal Light (TU) 						
Slim Profile Utility Light (TYRT) 						

Not Compatible	Compatible

ceiling feed basics

Power is supplied to workstations through a ceiling feed or base feed. The following outlines the features of the ceiling feed.

- Power Poles can be used to house either electrical harnesses or communication cables. A Pole Divider (EPD) is available to ensure safety if power and communications are to be run together. A Pole Divider must be ordered separately
- Pole heights are provided with a 111" harness
- Lay-In Power Poles are equipped with a divider; therefore, it can be used to enclose both electrical harnesses and communication cables which travel from the ceiling to the top of the panel



Power Pole Harness (Includes Junction Box) (EPB)

- Is designed for use with Power Poles (Empty) and Lay-In Poles (Empty)
- Includes a harness that is used to bring power down into the Panel from the ceiling and a junction box for making hard-wired connections to the power supply within the ceiling
- Once the harness is routed into the Panel, it can be connected (at the raceway level) to any compatible Receptacle Harness (ES), Panel Pass-Through Harness (EH), or Four-Way Connector (EF)
- The 111" or 135" length represents portion of harness encased in flexible conduit. An additional 12" of exposed wires is provided on the interior portion of the harness for connection within the raceway to an appropriate Receptacle Harness (ES, EH, EF)

Pole Divider (EPD)

- Enables the separation of electrical harnesses and communication cables within a Power Pole
- Is a divider plate designed specifically for use with the Power Pole (EP or EPE). It is applied when total separation is required between electrical power and communication cables routed through the same pole

Lay-In Pole (Empty) (EPHE)

- Does not include electrical harnesses or a junction box and provides an enclosure larger than the Power Pole (Empty) (EPE) to route power or communications from the ceiling to the top of the Panel
- Does not include a power pole harness or junction box. These items can be ordered separately

Power Pole (Empty) (EPE)

Does not include electrical harnesses or a junction box but provides a safe enclosure with which to route power or communications from the ceiling to the top of the Panel

Lay-In Pole (Complete) (EPH)

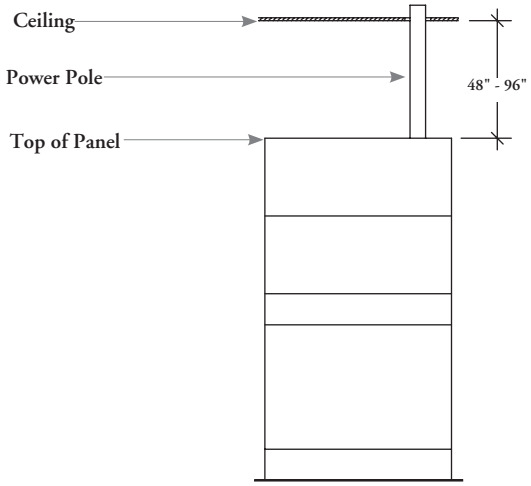
Includes an electrical harness and junction box and provides an enclosure larger than the Power Pole (EP) for routing power and communications directly from the ceiling through the top of the panel and down to raceway

Power Pole (Complete) (EP)

- Includes an electrical harness and a junction box and routes power or communications directly from the building supply in the ceiling to the raceway level of the Panel
- Encloses electrical harnesses which travel from the junction box at the ceiling into the top of the Panel

planning with ceiling feed

Building power is fed from the plenum above the ceiling down to the workstation using power pole products.

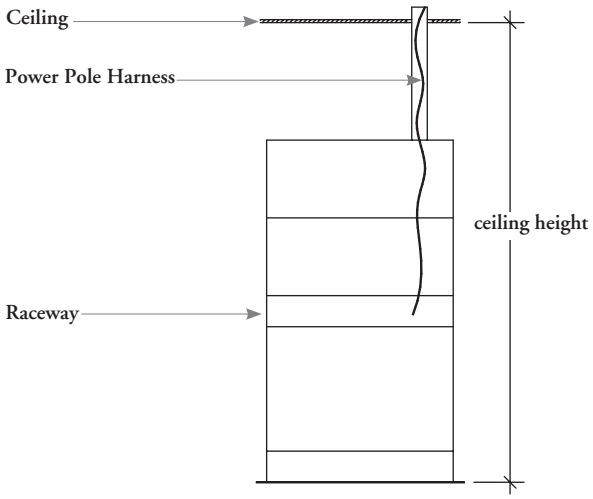


determining power pole (EPE) height

- The dimension between finished ceiling and the top of the panel plus 4" determines power pole height
- The power pole is available in 48", 72" and 96" heights and is cut in the field to specific height requirements
- Use the following chart to determine height required:

X	Power Pole Height
up to 44"	48"
44" to 68"	72"
68" to 92"	96"

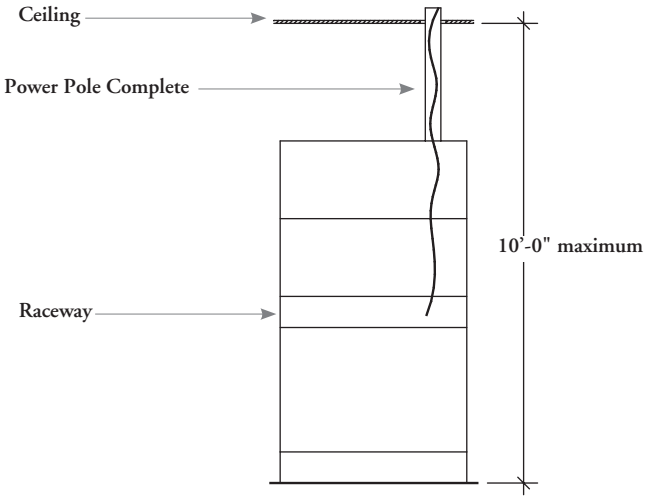
X= Ceiling Height – Panel Height



determining power pole harness (EPH) length

- The overall ceiling height determines the length of the power pole harness required
- The power pole harness is available in 111" and 135" lengths and is specified as follows:

Ceiling Height	Power Pole Harness Length
up to 10'-0"	111"
10'-0" to 13'-0"	135"



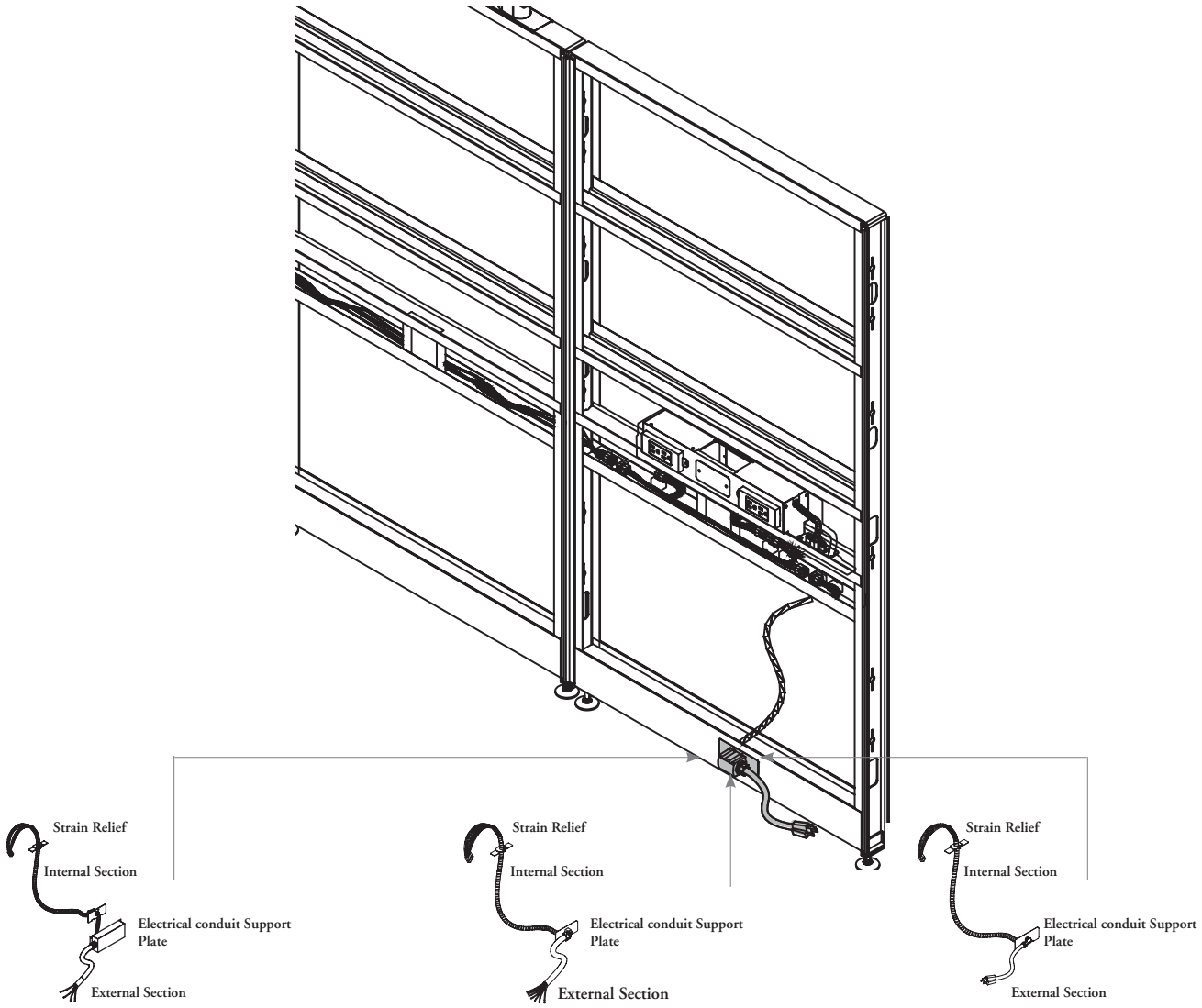
determining power pole complete (EP) height

- When specifying the power pole component height of the power pole complete, use the Power Pole Height chart above
- Please note, use of the power pole complete is restricted to ceiling heights of 10'-0" and lower. This is because the power pole harness component measures 111" in length
- For ceiling heights above 10'-0", specify the Power Pole (EPE) and Power Harness (EPB) separately

base feed basics

Power is supplied to workstations through a ceiling feed or base feed. The following outlines the features of the base feed.

- Base Feeds can be connected to any compatible Receptacle Harness (ES), Panel Pass-Through Harness (EH), or Four-Way Connector (EF)
- Base Feeds transport power to the raceway level only. Additional harnesses are required to carry power through other panels and must be ordered separately



Split Base Feed (BFKS)

- Is hard-wired to the building power supply in two places and is installed in the base opening of the panel and feeds power up into the panel raceway
- Is prepared for hard-wiring within the floor monument and at the base feed junction box. It is designed to comply with specific safety requirements in certain jurisdictions
- The external section measures 72" and is designed for hard-wiring. The internal end is 30" long and is designed to be secured within the panel

Base Feed (BFK)

- Is hard-wired to the building power supply and is installed in the base opening of the panel and feels power up into the panel raceway
- External harness is enclosed in liquid-tight, PBC covered, flexible steel conduit. It measures 72" long and is designed for hard-wiring. The internal end is 30" long and is designed to be secured within the panel

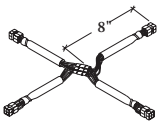
Plug-In Base Feed (BFKP)

- Can be plugged into the building power supply and is installed in the base opening of the Panel and feeds power up into the Panel raceway
- External harness of the Plug-In Base Feed comes in 24" or 72". The internal end is 30" long and must be secured within the Panel
- Outlet types that may be specified with this system are outlets on circuit 1 (i.e. Duplex ED11 and Triplex ED111). These items are ordered separately

power distribution basics

Power is distributed through the panel system with a combination of harnesses, connectors and clips.

- Harnesses can make turns around corners to meet the requirements of all Two-Way Panel connections
- Harnesses are equipped with Clips that attach to the edge of the Raceway and ground the Harness
- The 36" long Receptacle Harness is recommended for 18", 24" and 30" wide panels. For all other panels use the 66" long Harness



Four-Way Connector (EF)

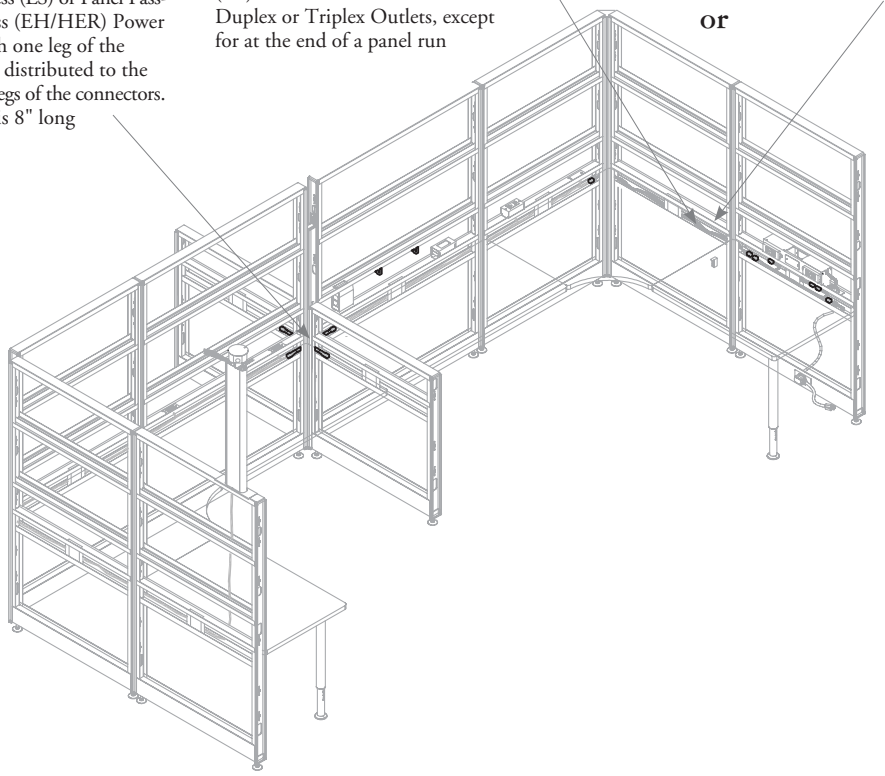
- Routes power in four directions for distribution between two to four adjacent panels without connecting to outlets
- Enters the panel through an opening at the raceway level and routes power through to adjacent panel raceways. This item does not allow for power access
- Can be connected to any compatible Receptacle Harness (ES) or Panel Pass-Through Harness (EH/HER) Power comes in through one leg of the connector and is distributed to the remaining three legs of the connectors. Each connector is 8" long

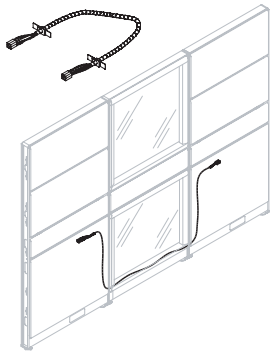
Panel Pass-Through Harness (EH)

- Routes power at the raceway level through to adjacent panels but does not connect to outlets. This item is for use with panels which do not require worksurface height power access
- Can be connected to any compatible Receptacle Harness (ES), to other Panel Pass-Through Harnesses (EH/HER), or Four-Way Connectors (EF). It cannot be connected to Duplex or Triplex Outlets, except for at the end of a panel run
- Is equipped with clips that attach to the edge of the raceway and ground the harness
- Must be specified at least 6" longer than the width of the panel into which it is being installed
- 36" length is recommended for 24" and 30" wide panels. All other panels should be outfitted with the 66" or 102" long harness

Receptacle Harness (ES)

- Routes power to outlets in panel access areas and also carries power through the raceway to adjacent panels
- Can be connected to any compatible Duplex or Triplex Outlet (ED), Raceway Box (ERB) and any other Receptacle Harness (ES), Panel Pass-Through Harness (EH), or Four-Way Connector (EF)
- Equipped with clips that attach to the edge of the raceway and ground the harness
- 36" length is recommended for 18", 24" and 30" wide panels. All other panels should be outfitted with the 66" long harness





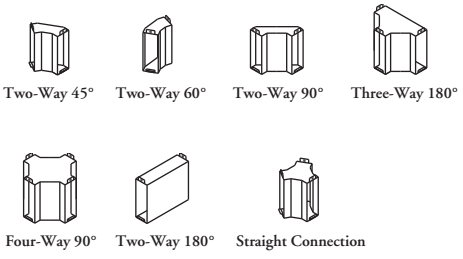
No Raceway Jumper (EI)

- Designed for use in glass panels
- Allows power to pass through the access door section of the panel
- Should be specified so that the length and the product code corresponds to the width of the glass panel

Also available:

Chicago Corner Ducts (CH)

- Enclose electrical cables in between corner panel connections
- Are designed to meet electrical requirements for inter-panel connections in Chicago
- Installed at the raceway height within all inter-panel connections where raceways exist



wire systems

The following is some general information about the wiring systems offered in T/O/S.

It is important to specify each power and cable management product according to the wire system in use, see examples below

	No. Regular Circuits	No. Isolated Circuits	Panels
4-Wire (4b) Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green)	2	0	
5-Wire (5d) Circuit 1 (Black) Circuit 2 (Red) Circuit 3 (Blue) Neutral (White) Ground (Green)	3	0	
7-Wire Isolated (7g) Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange)	2	1	
8-Wire Separate Neutral (8n) Circuit 1 (Black) Circuit 2 (Red) Neutral (White/Red) Ground (Green) Isolated Circuit 5 (Orange) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange)	2	1	
8-Wire Isolated (8t) Circuit 1 (Black) Circuit 2 (Red) Circuit 3 (Blue) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange)	3	1	
8-Wire Dual Isolated (8k) Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Circuit 6 (Blue) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange)	2	2	
Not Compatible	**Not Compatible**		

- Example, if the system in use is 7-Wire Isolated (7G), each Base Feed, Power Pole, Receptacle Harness etc. must also be specified for 7G, as follows:

System	Product Name	Complete Product Code
7G	Base Feed Kit	BFK7G72A
	High Capacity Power Pole (Complete)	EPHT7G72A
	Quadrex Receptacle Harness	ET7G36A

- This specification is not required for lighting products. However, not all products are available for all wire systems. For more information, see Electrics Compatibility Chart in this section
- There is a standard color coding for each wiring system and for the connector patterns in conjunction with these:

Standard Circuit 1, Hot Wire: black
Standard Circuit 2, Hot Wire: red
Standard Circuit 3, Hot Wire: blue
Isolated Circuit, Hot Wire: orange
Standard Neutral Wire: white
Standard Neutral Wire: white/red
Standard Ground Wire: green
Isolated Neutral Wire: white/orange stripe
Isolated Ground Wire; green/orange stripe

- In wiring systems with more than one incoming hot wire, except for the 8N wiring system, some or all of the hot wires use the same neutral and ground. For example, in the 5-wire system, there are three hot wires. All three hot wires use the same neutral/return wire and the same ground wire

power access basics

Power is accessed in the workstation through outlets inside of an access door, access cover, or through power boxes accessible on a Face Mounted Element.

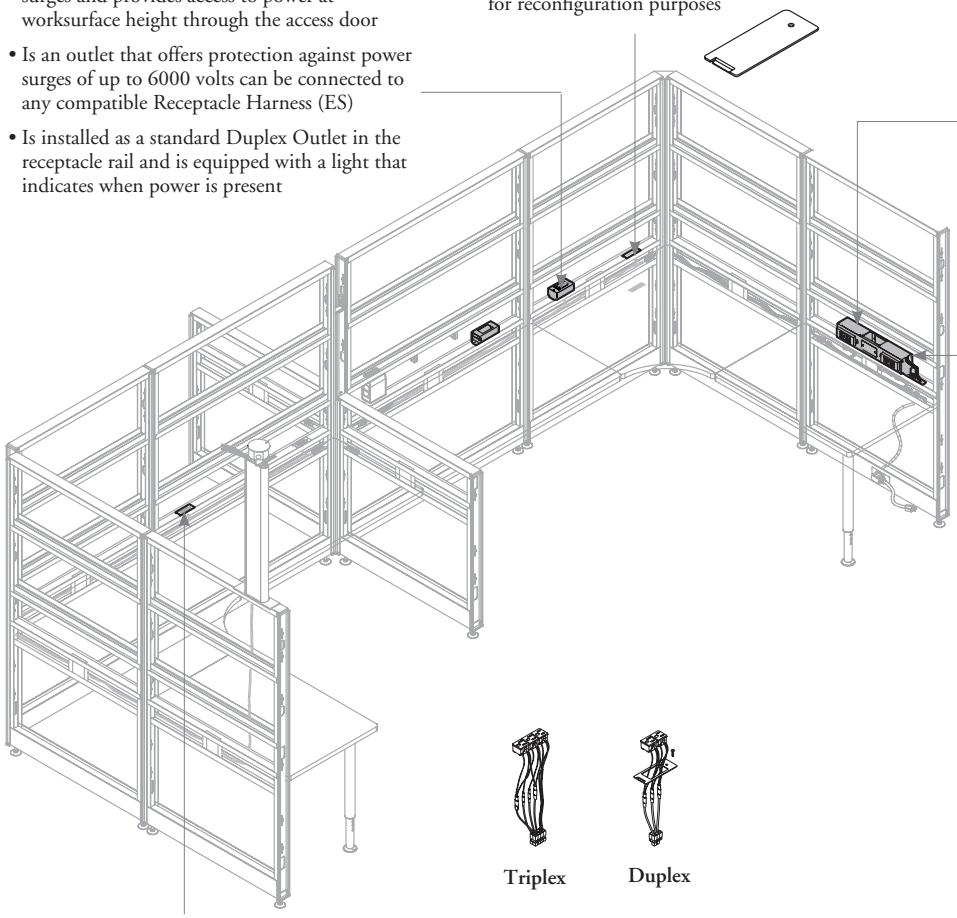
All outlet knockouts in the panel access rail are for triplex outlets, so all duplex outlets are equipped with an adapter plate

Surge Suppressor (EDS5)

- Is an isolated ground outlet which protects sensitive equipment against electrical power surges and provides access to power at worksurface height through the access door
- Is an outlet that offers protection against power surges of up to 6000 volts can be connected to any compatible Receptacle Harness (ES)
- Is installed as a standard Duplex Outlet in the receptacle rail and is equipped with a light that indicates when power is present

Outlet Knockout Cover (EDC)

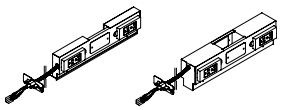
Is an opening in the receptacle rail when an outlet or surge protector has been removed for reconfiguration purposes



Triplex Duplex

Raceway Box (Dual Isolated) (ERB8K)

- Is for the 8K wiring system only
- For Raceway Boxes that do not handle the Isolated circuits, Circuits 5 and 6, the regular raceway boxes can be used for the 8K system



Single Double

Raceway Box (ERB)

- Is available for single and double sided applications and provide face mounted access to power/communications at desk height and must be specified with face mounted power/communication elements (APC or APCS)
- May be used in combination with internal panel outlets. The Raceway Box is mountable at worksurface height on any panel width between 36"-60" (not 18", 24" and 30" wide Panels)
- Double-sided Raceway Box requires a Face Mounted Power/Communication Element (APC or APCS) on each side
- Includes two duplex outlets and one communication opening (1.850" x 2.875") on each side
- Duplex outlets can be assigned to specific circuits
- Can be installed on existing T/O/S Panels
- Cannot be used with 8N (8-wire separate neutral system). ERB8N Raceway Boxes must be used with 8N option
- Handles only Circuit 1 and/or 2 can be used with the 8K wiring option
- That also or exclusively handle the isolated circuits, Circuits 5 and 6, raceway box (Dual Isolated ERB8K) must be specified for use with the 8K wiring option

Outlets (ED)

- (Duplex and triplex) Provide access to power at worksurface height through the access door
- Are available for a variety of systems and connect to any compatible Receptacle Harness (ES)
- Cannot be used with 8N (8 wire separate neutral) system. ED8N outlets must be used with 8N wire option
- That handle only Circuit 1 and/or Circuit 2 can be used with the 8K wiring option. For outlets that also or exclusively handle the isolated circuits, Circuits 5 and 6, Outlets (Dual Isolated – ED8K) must be specified for use with the 8K wiring option

Outlets (Separate Neutral) (ED8N)

- (Duplex and triplex work with separate neutral systems) Provide access to power at worksurface height through the access door and can only be used with the 8N (separate neutral) wiring system
- Can connect to Receptacle Harness (ES) with 8N wiring option

Outlets (Dual Isolated) (ED8K)

- Provide access to power at worksurface height through the access door and can only be used with the 8K (Dual Isolated) wiring system
- Connect to Receptacle Harness (ES) with 8K wiring option
- That do not handle the isolated Circuits, Circuits 5 and 6, the regular outlets, ED, can be used for the 8K system

electrics compatibility chart

The following chart outlines electrics compatibility.

	Compatible Base Feeds	Compatible Power Poles & Power Harness	Compatible Receptacle Harnesses	Compatible Pass-Through Harnesses	Compatible Four-Way Connectors	Compatible Outlets
4-Wire (4B) Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green)	BFK4B BFKP4B* BFKS4B	EP4B EPH4B EPB4B	ES4B	EH4B	EF4B	ED11* ED111* ED22 ED222
5-Wire (5D) Circuit 1 (Black) Circuit 2 (Red) Circuit 3 (Blue) Neutral (White) Ground (Green)	BFK5D BFKS5D	EP5D EPH5D EPB5D	ES5D	EH5D	EF5D	ED11 ED111 ED22 ED222 ED33 ED333 ED123
7-Wire Isolated (7G) Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange)	BFK7G BFKS7G	EP7G EPH7G EPB7G	ES7G	EH7G	EF7G	ED11 ED111 ED22 ED222 ED55 ED125 ED555 EDS5A
8-Wire Separate Neutral (8N) Circuit 1 (Black) Circuit 2 (Red) Neutral (White/Red) Ground (Green) Isolated Circuit 5 (Orange) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange)	BFK8N BFKS8N	EP8N EPH8N EPB8N	ES8N	EH8N	EF8N	ED8N11 ED8N22 ED8N55 ED8N111 ED8N222 ED8N125 ED8N555
8-Wire Isolated (8T) Circuit 1 (Black) Circuit 2 (Red) Circuit 3 (Blue) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange)	BFK8T BFKS8T	EP8T EPH8T EPB8T	ES8T	EH8T	EF8T	ED11 ED111 ED22 ED222 ED33 ED333 ED55 ED123 ED125 ED135 ED555 EDS5A
8-Wire Dual Isolated (8K) Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Circuit 6 (Blue) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange)	BFK8K BFKS8K	EP8K EPH8K EPB8K	ES8K	EH8K	EF8K	ED8K55 ED11 ED8K56 ED22 ED8K6 ED111 ED8K555 ED222 ED8K666 ED8K125 ED8K126 ED8K156 ED8K256

outlet compatibility chart

The following chart indicates which outlets are compatible with each wire system type.

Wire System Code (see chart at left for details)

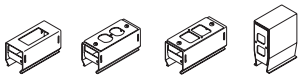
Outlet Type (Code)*	4B	5D	7G	8T	8N	8K
ED11	■	■	■	■		■
ED111	■	■	■	■		■
ED123		■		■		
ED125			■	■		
ED135				■		
ED22	■	■	■	■		■
ED222	■	■	■	■		■
ED33		■		■		
ED333		■		■		
ED55			■	■		
ED555			■	■		
EDS5			■	■	■	■
ED8N11					■	
ED8N22					■	
ED8N55					■	
ED8N111					■	
ED8N222					■	
ED8N125					■	
ED8N555					■	■
ED8K55						■
ED8K56						■
ED8K66						■
ED8K555						■
ED8K666						■
ED8K125						■
ED8K126						■
ED8K256						■

Not Compatible	Compatible

- T/O/S Panels are available with raceways. A raceway is a built-in wire and cabling management duct which combines unparalleled access to power and cabling at desk-top height with minimum visibility. See Application Guidelines, in the Panels section for further details
- T/O/S raceways are designed to allow separation of power from data/telephone lines
- How much power? Each piece of electrical equipment uses a specified number of amperes. For example, the average personal computer draws 2 to 4 amps. For every 10 amps, add another circuit. Never push the system to the limit – always overestimate the requirement and keep future requirements in mind
- For use with a computer, a wire system with an isolated circuit is recommended to reduce interference

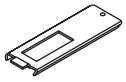
communications access basics

T/O/S offers adapters to provide access to communication outlets.



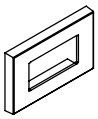
Voice & Data Module (VDM)

- Is an adapter which provides usable access to communication connectors at worksurface height through the access door
- Are installed in the communication duct opening in the Panel raceway and can accommodate a variety of connectors as indicated under Connector Compatibility options on the product page
- Power outlets cannot be mounted on VDMs
- A Voice & Data Adapter (VDA)
- Must be specified for situations where it is desirable to have the VDM hanging upside down (when communication cables enter from the top of the Panel)



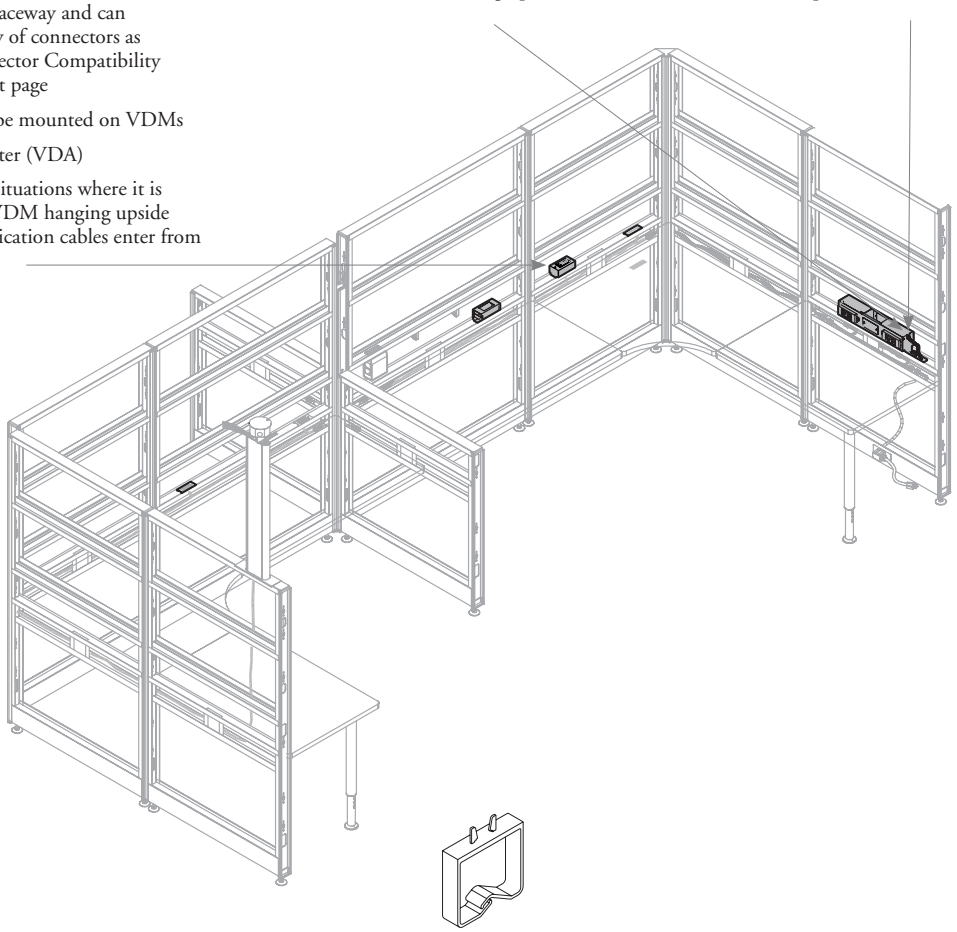
Voice & Data Adapter (VDA)

- Provides an interface with the VDM when communications are being brought in from the top of the panel
- Allows the VDM to hang upside down



Voice & Data Faceplate Adapter (EVDF)

- Allows the installation of Modular Furniture Voice & Data Faceplates in Decora faceplate size cutouts
- Compatible with T/O/S Raceway Boxes (ERB)



M-Clip (TMC)

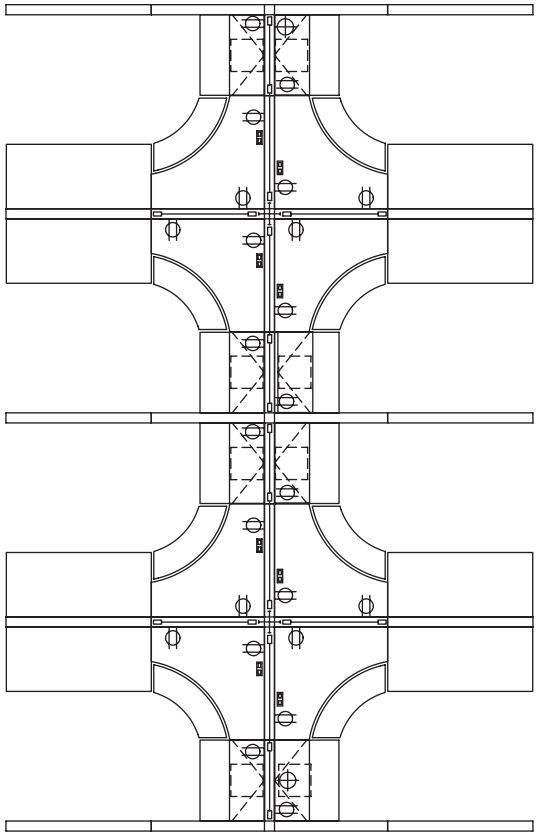
- Routes cabling and wiring within the access door to maximize the space available for routing
- Attaches to Panel horizontal rails behind upper elements and are provided with a standard panel to be used at 36" high – extras are only required for mounting at 51", 66" and 81" high

Finishes

These products are finished in Black

typical specifications

The following illustration shows a typical specification for a T/O/S eight-station cluster.



LEGEND

- BASE FEED (BFK) OR POWER POLE (EPT)
- OUTLET (ED)
- VOICE DATA MODULE (VDM)
- FOUR-WAY CONNECTOR (EF)
- UNIVERSAL LIGHT (TU)
- RECEPTACLE HARNESS (ES)

Please see 8-Station Cluster Charts on the following pages

- The illustration shown and its specification can be used as a guideline for planning T/O/S Lighting, Electrics and Communications requirements
- This product specification also corresponds to the suggested Lighting, Electrics and Communication Packages listed on the following pages
- These suggested packages serve as a general guideline only – a starting point to identifying an office's lighting, electrics and communications' needs
- Consult with appropriate professionals to determine electrical, communications and lighting needs

product specification:

TYPICAL LIGHTING, ELECTRICS & COMMUNICATIONS PACKAGE PRODUCT SPECIFICATION FOR A T/O/S 8-STATION CLUSTER

Qty	Product Code	Description
12	ES	Receptacle Harness
24	ED	Outlets
2	EF	Four-Way Connectors
8 (or 16*)	VDM	Voice Data Module
8	TU	Universal Light
For Base Feed Application Include:		
2	BFK	Base Feed
For Ceiling Feed Application Include:		
1	EPT	Power Pole Complete
1	EPHT	High Capacity Power Pole Complete
1	EPD	Pole Divider

* Two Voice Data Modules (VDM) per workstation for dual computer package (8K Electrical System)

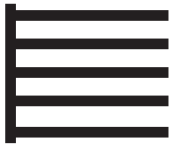
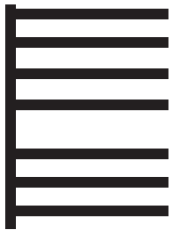
The suggested packages can be enhanced by the following products:

ENHANCEMENTS TO THE TYPICAL LIGHTING, ELECTRICS & COMMUNICATIONS PACKAGE FOR A T/O/S 8-STATION CLUSTER

Qty	Product Code	Description
Ambient Lights provide indirect lighting to the work area.		
4	TAT	Ambient Light
Surge Suppressors are isolated ground outlets that protect sensitive equipment against electrical power surges of up to 6,000 volts.		
8	EDS5	Surge Suppressor

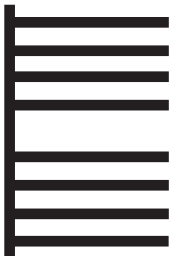
suggested packages for 8-station cluster

The following chart suggests lighting, electrics and communication packages that meet the diverse requirements of the office. These packages correspond to the typical specification listed in a previous page.

T/O/S Electrical System	Description	Benefits
Budget Basic Package (4B Electrical System)		
 Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green) **4-Wire (4B),** 2 general circuits per 4 workstations.	• Most basic combination • NOT recommended for computer applications or sensitive electronic equipment • Each workstation has sufficient power for devices such as a typewriter, two bin lights and a pencil sharpener	• Low cost for workstations without computers and sensitive electronic equipment • Separation from data cables • Desk-height termination • Flexible wire harnesses – non-Panel width specific and easy-to-handle angles
Budget General Package (5D Electrical System)		
 Circuit 1 (Black) Circuit 2 (Red) Circuit 3 (Blue) Neutral (White) Ground (Green) **5-Wire (5D),** 3 general circuits per 4 workstations.	• More power than the Budget Basic Package • NOT recommended for computer applications or sensitive electronic equipment • One or two of circuits can be designated for specific equipment • Designated circuits are necessary for equipment that requires a continuous draw of electricity (e.g. a coffee maker, fan and heater) or have high amperage (e.g. laser printer, small photocopiers and paper shredder)	• Provides designated circuits for high amperage equipment or equipment that require a continuous draw • Separation from data cables • Desk-height termination • Flexible wire harnesses – non-Panel width specific and easy-to-handle angles
Computer Basic Package (7G Electrical System)		
 Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange) **7-Wire, Isolated Ground (7G),** 2 general circuits and 1 isolated circuit per 4 workstations.	• Basic package for workstations with computers • Includes isolated circuit that should be designated to computers • Remaining two general circuits meet other electrical needs such as lighting	• Low cost for workstations with computers • Isolated circuits prevent interference from regular circuits that disrupts computer use • Separation from data cables • Desk-height termination • Flexible wire harnesses – non-Panel width specific and easy-to-handle angles

suggested packages for 8-station cluster (continued)

The following chart suggests lighting, electrics and communication packages that meet the diverse requirements of the office. These packages correspond to the typical specification listed in a previous page.

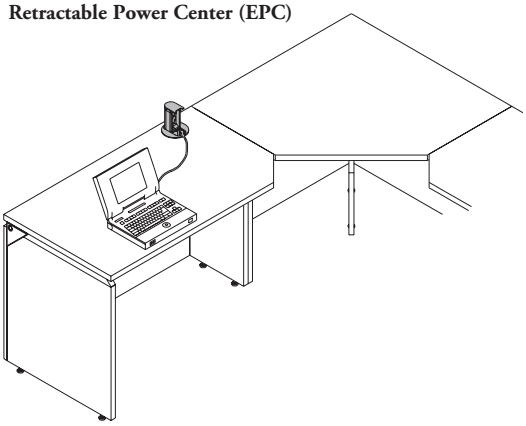
T/O/S Electrical System	Description	Benefits
Computer General Package (8T Electrical System)		
 Circuit 1 (Black) Circuit 2 (Red) Circuit 3 (Blue) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange) **8-Wire, Isolated Ground (8T),** 3 general circuits and 1 isolated circuit per 4 workstations.	• Recommended for workstations with computers • More power than the Computer Basic Package • Includes isolated circuit that should be designated to computers • One or two of circuits can be designated for specific equipment	• Isolated circuits prevent interference from regular circuits that disrupts computer use • Allows designated circuits for high amperage equipment or equipment that require a continuous draw • Separation from data cables • Desk-height termination • Flexible wire harnesses – non-panel width specific and easy-to-handle angles
Computer Plus Sensitive Electronic Equipment Package (8N Electrical System)		
 Circuit 1 (Black) Neutral (White) Circuit 2 (Red) Neutral (White/Red) Ground (Green) Isolated Circuit 5 (Orange) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange) **8-Wire, Isolated Ground (8N),** 2 general circuits and 1 isolated circuit per 4 workstations.	• Ideal for computers and sensitive electronic equipment such as laser printers, scanners, digitizers • Sharing neutrals may cause interference between circuits • Computers can be designated to isolated circuit and other equipment to two circuits with separate neutral	• Isolated circuits prevent interference from regular circuits that disrupts computer use • Separate neutral for each circuit prevents interference between equipment on different circuits • Separation from data cables • Desk-height termination • Flexible wire harnesses – non-panel width specific and easy-to-handle angles
Dual Computer Package (8K Electrical System)		
 Circuit 1 (Black) Circuit 2 (Red) Neutral (White) Ground (Green) Isolated Circuit 5 (Orange) Isolated Circuit 6 (Blue) Isolated Neutral (White/Orange) Isolated Ground (Green/Orange) **8-Wire, Isolated Ground (8K),** 2 general circuits and 2 isolated circuit per 4 workstations.	• For workstations with two computers or with a computer and sensitive electronic equipment • Offers 4 circuits that can handle high load requirements • Two circuits are isolated sharing an isolated ground and isolated neutral, making it ideal for computer use	• Two isolated circuits accommodate two computers and prevent interference from regular circuits that disrupts computer use • Total of 4 circuits can handle high electrical load requirements • Separation from data cables • Desk-height termination • Flexible wire harnesses – non-panel width specific and easy-to-handle angles

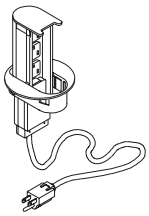
Please Note: These suggested packages serve as a general guideline only. Consult with appropriate professionals to ensure a safe installation and that appropriate local codes are met.

casual wire basics

T/O/S offers options for casual wire management.

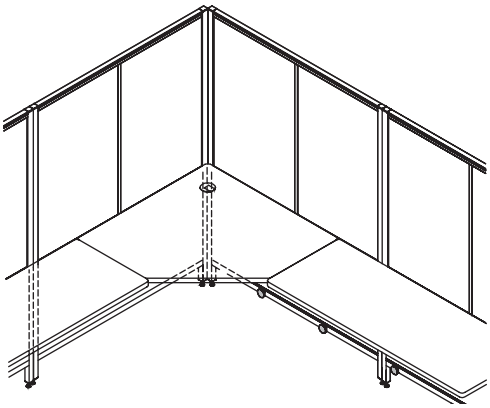
Retractable Power Center (EPC)

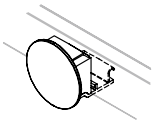




- Slides up through the worksurface to provide easy access to outlets concealed beneath the surface and retracts to allow use of entire worksurface
- Includes three electrical outlets and is equipped with a circuit breaker. The retractable feature allows concealment of the outlets
- Field-installed using the template provided with the product. When installing on Freestanding Modules Desks, take care to ensure that the location does not interfere with the wire troughs

Base Cable Clips (Lyft) (HBCC)





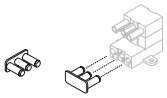
- Base cable clips attach to the rail of Lyft Thin Panels to support casual wire routing
- No tools are required for securing clips

international electrics basics

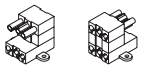
A variety of components are available for adding electrics to workstations that will be used outside of North America.

All outlets are rated for a maximum of 16 amps (240 Volts). For alternative requirements, please contact Customer Service for details and pricing. Local authority approval must be obtained prior to energizing outlet box

Electric Accessories (VAC)



Cover Cap (VACEC) is a safety cover for an unutilized female terminal on an Outlet Box (VED) or Distribution Block (VACEB)



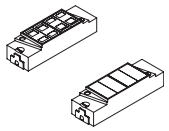
Distribution Block (VACEB)

- Redirects power distribution
- One male connector directs power in and three female connectors direct power out

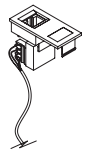
Outlet Box (VED)

- Provides access to power at worksurface height. Panel-mounted outlet boxes are accessible through the access door
- Outlet boxes connect to any compatible power cable and are available in a variety of countries
- All outlets have a socket angle of 15°
- An earth lead is included with every outlet box. Some jurisdictions require the earth lead to be connected to a Panel
- Some jurisdictions require fuse and switch
- Desk-Mounted clips may be purchased separately from Electric Accessories to desk-mount the Outlet Box (VACB6)
- For application onto the T/O/S panel, mounting brackets 'P' (Panel mount for T/O/S or Transit) must be selected

Also Available:



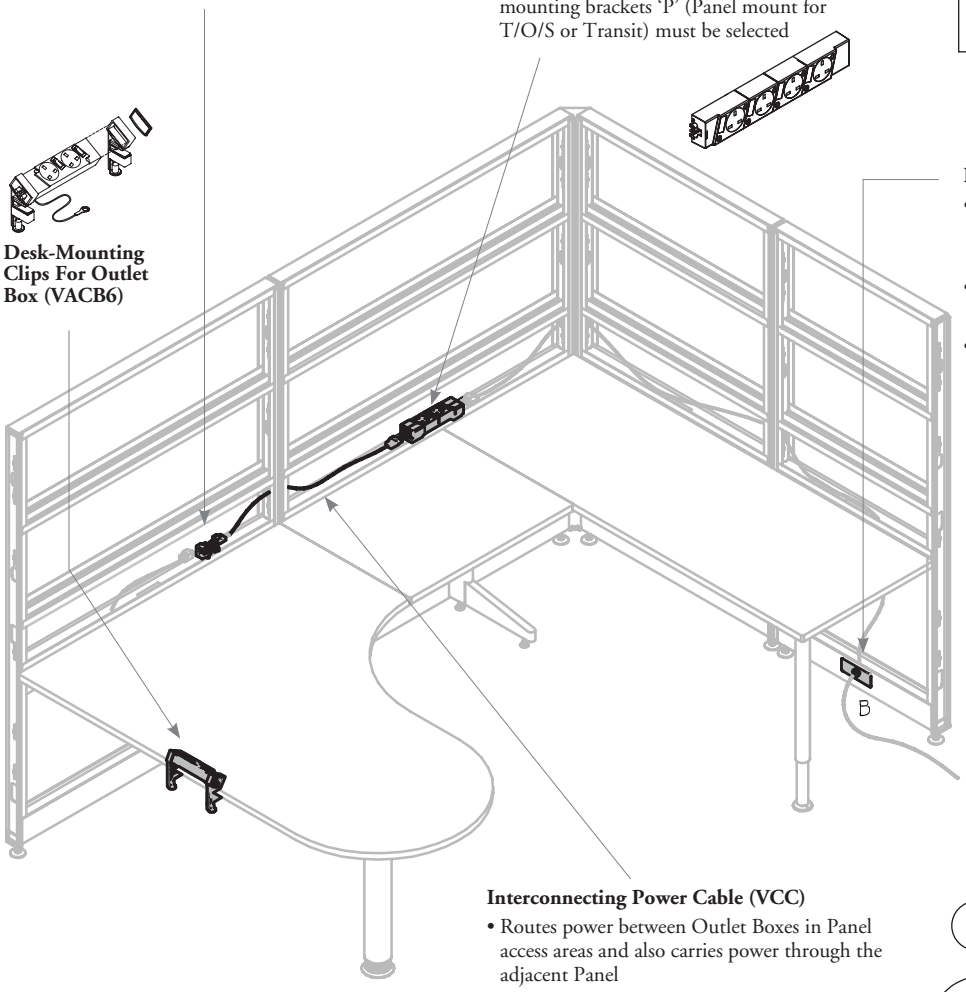
Voice and Data Box (VVD)



Voice and Data Outlet (VDO)

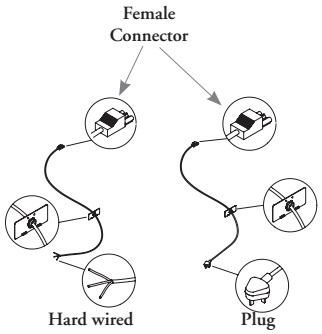
Outlet Type	Country of Installation
	Australia
	Germany
	U.K.

Desk-Mounting Clips For Outlet Box (VACB6)



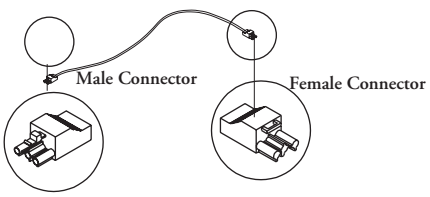
Input Power Cable (VEP)

- Brings power from the building to the Panel and is installed in the base opening of the Panel and feeds power up to the Panel raceway
- Can be connected to any compatible Outlet Box (VED) or Interconnecting Power Cable (VCC)
- Accepts one circuit per cable



Interconnecting Power Cable (VCC)

- Routes power between Outlet Boxes in Panel access areas and also carries power through the adjacent Panel
- Can be connected to any Compatible Outlet Box (VED) or Input Power Cable (VEP)
- Accepts one circuit per cable



Finishes

Outlet Box is finished in Black