

# supports

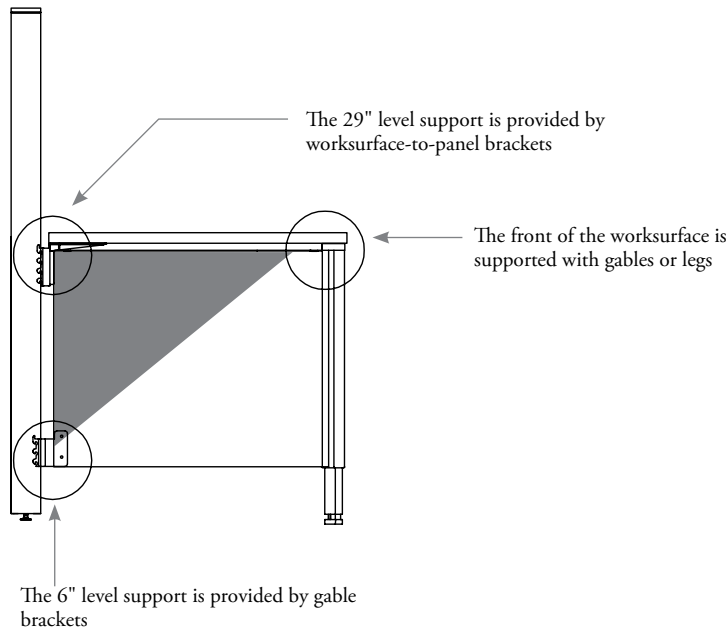
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## understanding district support

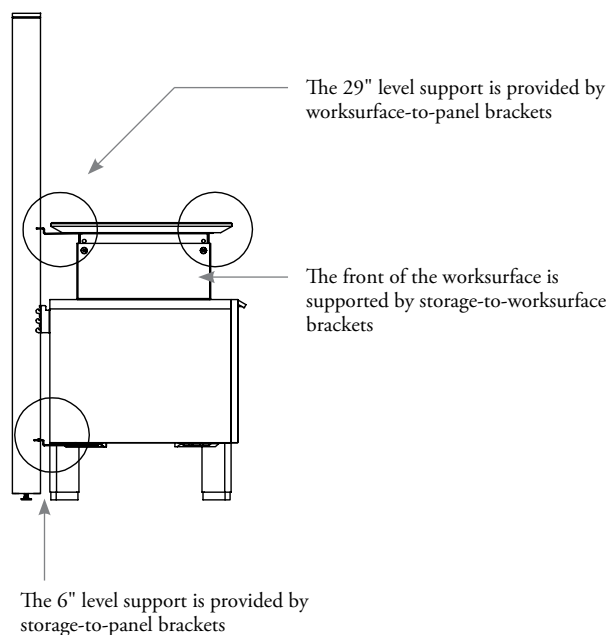
The following outlines the guidelines for supporting panels and worksurfaces in panel-mounted applications.

- When planning with District panels, the end of run conditions must be supported at 6" and 29" high and at the front of a work-surface or storage. There are different ways of providing support, depending on whether storage or end gables are used
- When properly supported, the method of support forms a triangle

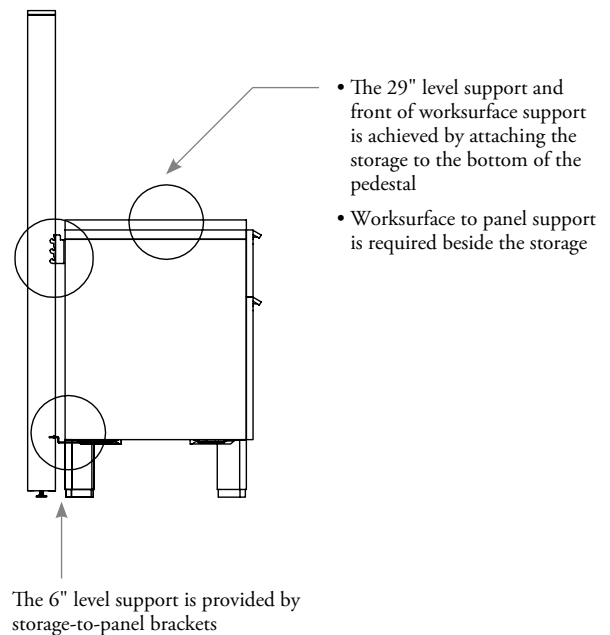
### end of run with no storage



### end of run with low storage

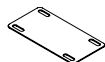
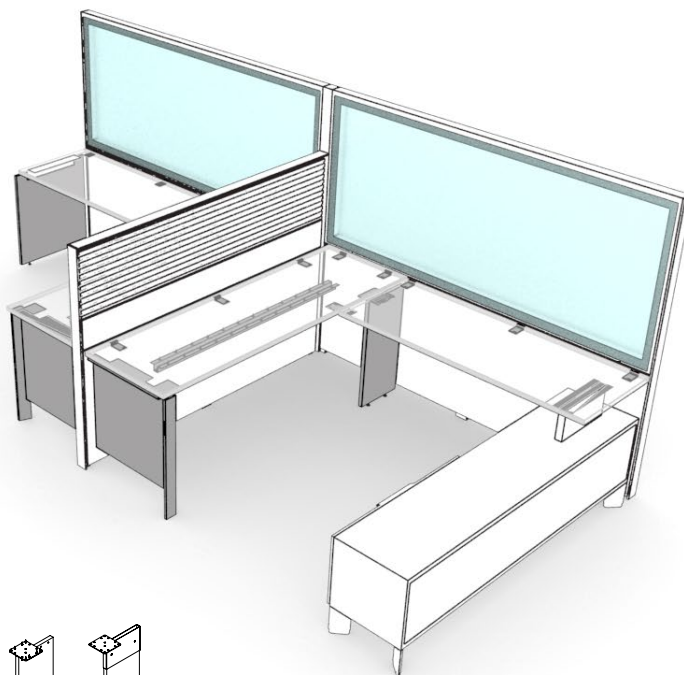


### end of run with high storage



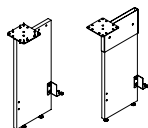
# worksurface support basics – horizontal

The following outlines the features of supports that connect horizontally, either below worksurfaces, or for connecting worksurface to panel walls.



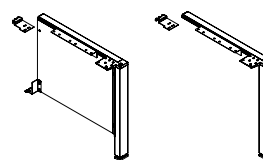
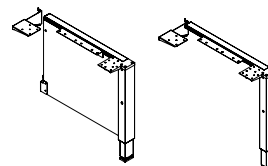
### Flush Plate (UNRF)

- Used in conjunction with other supports to maintain alignment of worksurfaces
- **Cannot** be used in freestanding applications, is used in panel wall application only
- **Not** required when cantilevers are used



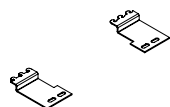
### Mid Gable (UNGMF) and Mid Gable – Height-Adjustable (UNGMFA)

- Used on worksurface spans larger than 72" to provide additional floor support or to join two worksurfaces, also includes a bracket at the 6" high level to provide support to the panel wall if required
- (UNGMFA) offers a height-adjustable leveling option with a range of 3" (2" above and 1" below worksurface)



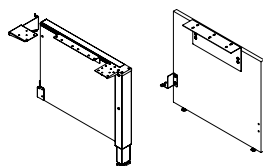
### End Gable (UNGEN) and End Gable – Height-Adjustable (UNGEAN)

- Consists of a single leg and a support to allow it to be attached to the underside of a worksurface and to the panel to provide floor support to a panel wall at the end of a worksurface run available in depths to match 17", 20", 24", 30", 36" deep worksurfaces
- Available in depths to match 17", 20" 24" 30" and 36" deep worksurfaces
- Available open or with an infill panel
- The infill has a bracket at the 6" high level and is used when panel support is required at the 6" level - the no infill option **cannot** be used for supporting panels as it does **not** include the bracket
- (UNGEAN) offers a height-adjustable leveling option with a range of 6" (3" above and 3" below worksurface) and is available with or without an infill
- **Cannot** be used on Elevated or Convertible Panel Walls with Inset (UYPER, UYPCR)



### Worksurface Panel Wall Brackets (UNBP)

- Off-module connectors that attach the worksurface to a Panel Wall
- Are mounted in the 29" high horizontal rail and can be connected at any point along the width of the worksurface and Panel Wall but must be spaced minimally every 48"
- Are **not** height-adjustable
- **Cannot** be used on Elevated or Convertible Panel Walls with Inset (UYPER, UYPCR)



### Flush End Gable (UNGEF) and Flush End Gable – Height-Adjustable (UNGEFA)

- Consists of a solid gable and a support to allow to be attached to the underside of a worksurface and to a panel available in depths to match 17", 20", 24", 30", 36" deep worksurfaces
- Available in depths to match 17", 20" 24" 30" and 36" deep worksurfaces
- (UNGEFA) offers a height-adjustable leveling option with a range of 3" (2" above and 1" below worksurface)
- Provides floor support to a panel wall at the end of worksurface run and also has a bracket at the 6" high level to provide panel support

### Worksurface Reinforcement Channel (UNRC)

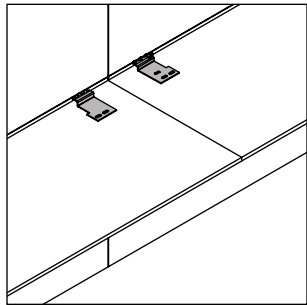
- Adds rigidity to worksurface to reduce deflection in the worksurface
- Required for all worksurfaces with an unsupported span over 48"

## planning with worksurface supports – horizontal

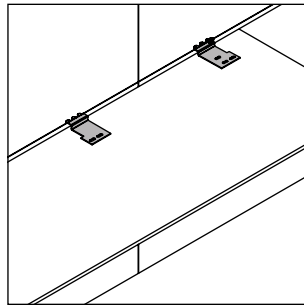
The following should be considered when planning with worksurface horizontal supports.

### Worksurface Panel Wall Brackets

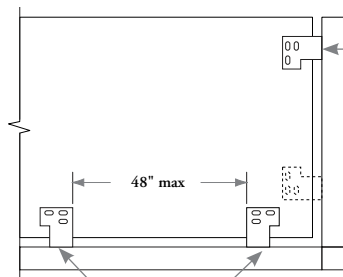
- Panel wall brackets mount into the 29" high horizontal rail of the panel wall, to support worksurface on- or off-module



On-Module worksurface shown

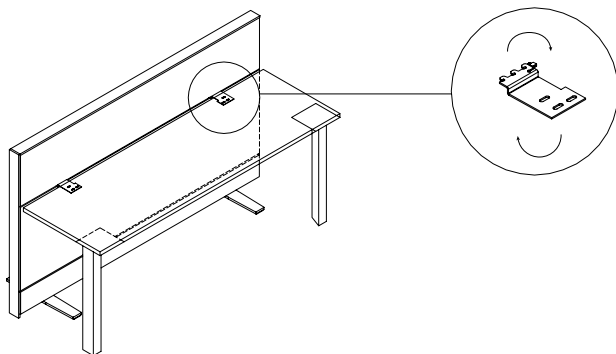


Off-Module worksurface shown



- A corner bracket located at the side edge can support worksurface end when it **cannot** be located along the back edge
- Typically worksurface ends only require one bracket towards the user edge for support

- Brackets are required at every 48" along a worksurface
- At least one left and one right bracket should be used for anti-dislodgement – brackets are packaged in pairs, one right and one left

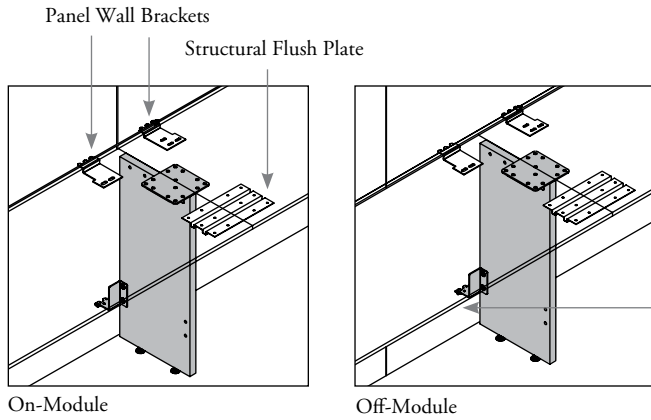


When mounting a worksurface to a freestanding panel with an accessory rail, the Worksurface Panel Wall Bracket (UNBP) must be rotated 180° to have the worksurface reach a 28" datum.

# planning with worksurface supports – horizontal (continued)

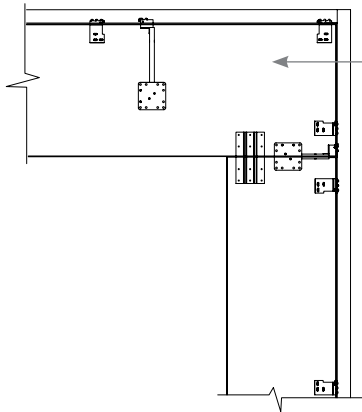
## Mid Gable and Mid Gable – Height-Adjustable

- The 12" deep mid gable is used for 20" and 24" deep worksurfaces and the 18" deep half gable is used for 30" and 36" deep worksurfaces

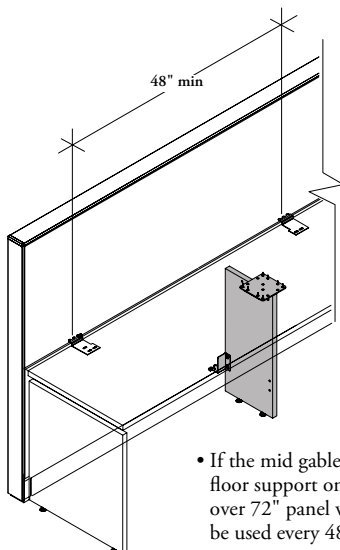


- The mid gable provides support to the panel by mounting to the 6" rail
- A 22" high and 6" high fascia must be specified for use with the gable (See Fascias section for details)

- Worksurface panel wall brackets are required on either side of the mid gable when connecting two worksurfaces
- A Structural Flush Plate is required at the front of the surfaces to maintain alignment



- Worksurfaces on- or off-module in straight runs or in L-shaped configurations are used to connect or support



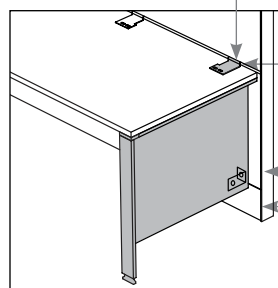
- If the mid gable is used for additional floor support on worksurface runs over 72" panel wall brackets must still be used every 48"

## planning with worksurface supports – horizontal (continued)

### End Gable and End Gable – Height-Adjustable

- End gables mount into the 6" and 29" high levels to provide support to the end of a panel run

- A Panel Wall Bracket is included to provide the support at 29" high



- Mounts flush with the outside edge of the worksurface regardless of the worksurface profile

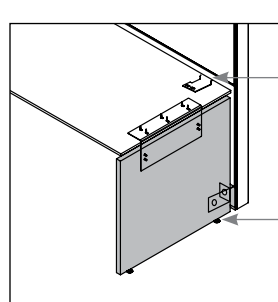
- A 22" and 6" high fascia must be specified with the end gable with infill

- The infill panel option includes a mounting bracket at the 6" high level so must be used when support is required at the 6" horizontal level
- The bottom edge of the infill panel aligns with the 6" high horizontal rail
- On the height-adjustable option, it has a different bracket which attaches to the vertical channel of the frame and travels up and down with the infill

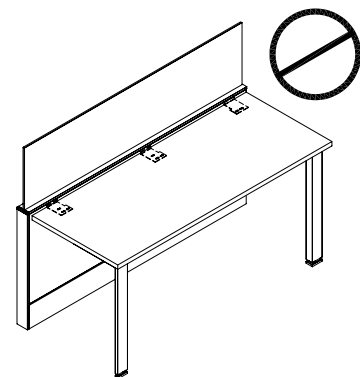
### Flush End Gable and Flush End Gable – Height-Adjustable

- Provides the same support as an end gable, but is solid to provide an alternative aesthetic

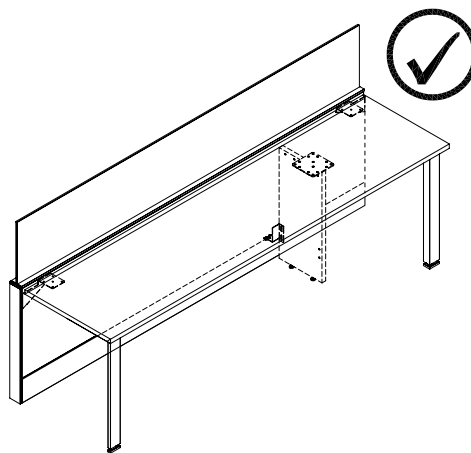
- A Panel Wall Bracket is included to provide the support at 29" high



- Provides support at the 6" high horizontal rail of the panel wall



Worksurfaces **cannot** be mounted to 29" high Panel Walls with Inset Glass using Worksurface Panel Wall Bracket (UNBP) due to restricted access to the top horizontal rails.

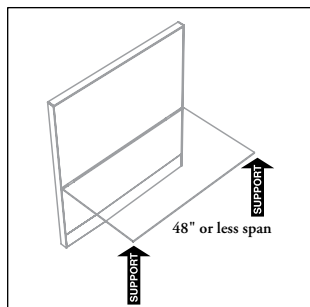


To accommodate 29" high Panels with Inset Glass with a worksurface mounted you must specify a Worksurface Panel Wall Bracket – Height Adjustable (UNBPA) on either end of the worksurface. If the Panel width is greater than 72" a Mid Gable (UNGMF) must also be specified every 72".

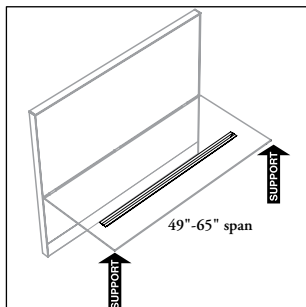
# planning with worksurface supports – horizontal (continued)

## reinforcement channel requirements

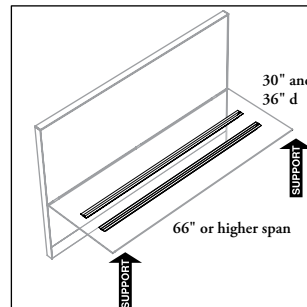
- When a worksurface has an unsupported span of a 48" or more reinforcement channels are required
- The unsupported span is the distance between two supports or storage units



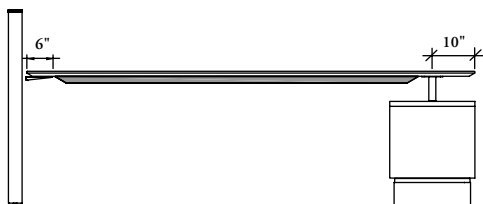
For unsupported spans 48" or less, no reinforcement channels are required for all depths of worksurfaces.



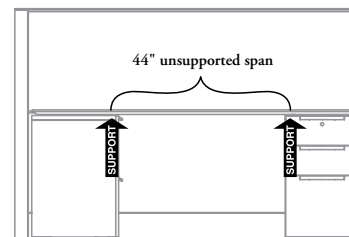
For unsupported spans from 49" to 65", one reinforcement channel only is required for all depths of worksurfaces.



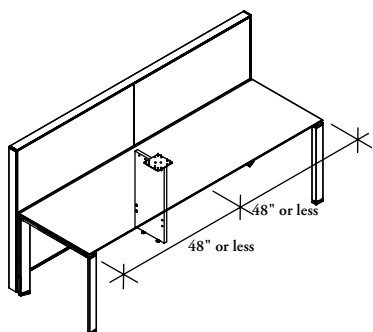
- Worksurfaces 30" or 36" deep two reinforcement channels are required
- One reinforcement channel is required on worksurfaces 24" deep



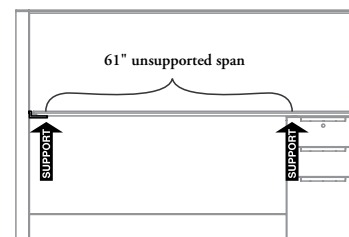
- A deduction allowance can be given for the mounting plates on supports
- Allow 6" for all supports except: for the low credenza worksurface support 10"
- The reconfigurable low credenza worksurface bracket which is either 16" or 19"



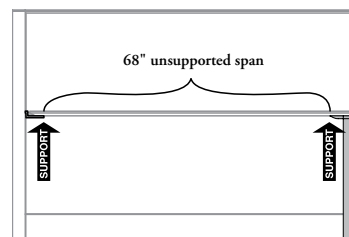
- Example: a 78" wide worksurface supported by a pedestal and a 19" deep credenza has an unsupported span of 44"
- No reinforcement channel is required because the unsupported span is less than 48"



- When planning with surfaces wider than 72" that will require secondary floor support, consider placing the support where it will shorten the unsupported distance on each side to 48" or less
- No reinforcement channel will be required, this is important to consider when planning with keyboard trays



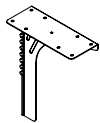
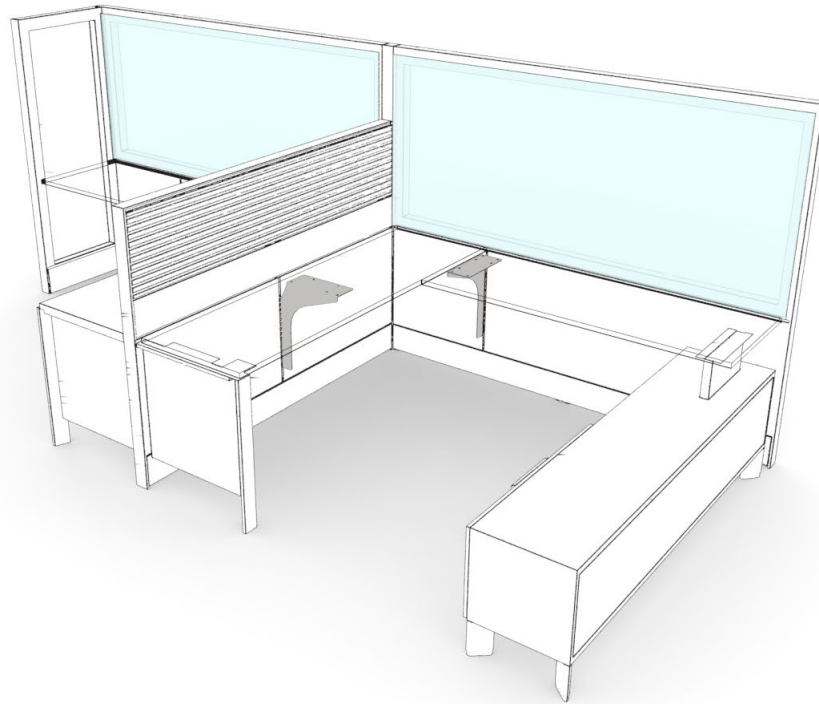
- Example: a 78" wide worksurface supported by a pedestal and panel brackets has an unsupported span of 61"
- One reinforcement channel is required



- Example: a 78" wide worksurface supported by a gable and panel brackets has an unsupported span at 66"
- 2 reinforcement channels are required if the surface is 30" or 36" deep

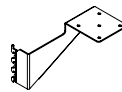
## worksurface support basics – vertical

The following outlines the features of vertical supports that allow for height-adjustable worksurface mounting.



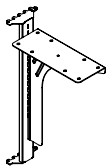
### Cantilever (UNLVR)

- Mounts into the center vertical channel of a panel wall over 60" wide to provide on module height-adjustable worksurface support at 1" increments available in depths of 11" and 14"
- Available in depths to match 11" and 14"



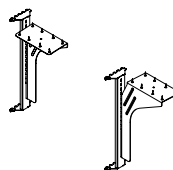
### Worksurface Panel Wall Bracket – Height-Adjustable (UNBPA)

- Mounts into the vertical channel at the end of a Panel Wall to provide on-module height-adjustable support for worksurfaces
- Used with Flush Full-Height Windows – Single and Double Glazed (UNPFWS, UNPFWD) to support worksurfaces as no horizontal channel is available at 29" high



### Off-Module Cantilever (UNLVFN)

- Mounts in the 6" and 29" horizontal channels of the Panel Wall to allow for height-adjustable off-module applications
- Can be used in place of the Mid Gable (UNGMF) and Height-Adjustable Mid Gable (UNGMFA), height-adjustable on an elevated panel as it does **not** extend below the 6" horizontal rail available in depths of 11" and 14"
- Available in depths to match 11" and 14"
- **Cannot** be used on Elevated or Convertible Panel Walls with Inset (UYPER, UYPCR)



### Off-Module Cantilever for Panels with Accessory Beam (UALVFN)

- Available in depths to match 11" and 14"
- Left or Right handed available
- Mounts to the horizontal channel of the panel to provide on-module height-adjustable worksurface support at 1" increments
- Used only when using a panel frame with accessory rail in order to accommodate the gap from the beam

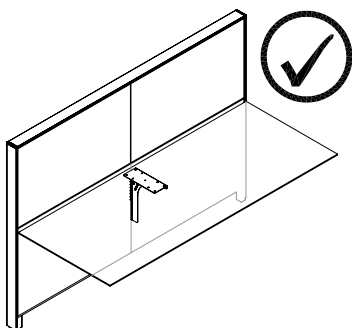


# planning with panel-mounted cantilevered supports

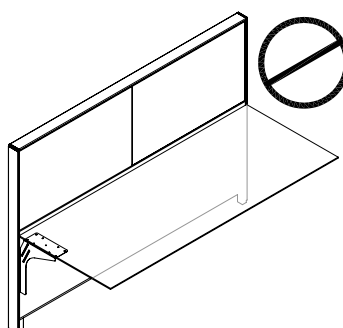
The following should be considered when planning with cantilevered height-adjustable supports.

- On worksurfaces attached to panel walls, support is required every four feet and secondary floor support every six feet
- Cantilevers are **not** considered floor support

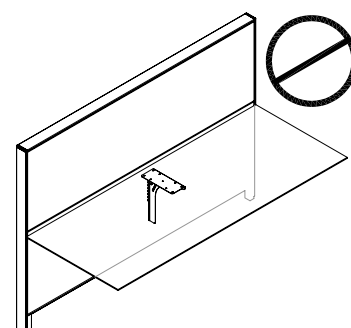
## Cantilever (UNLVR)



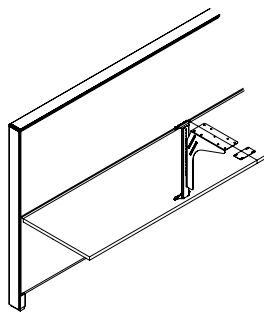
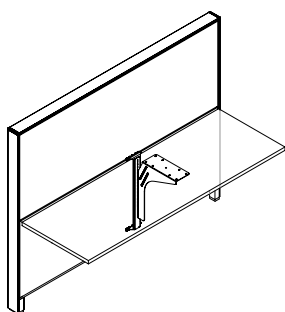
- Cantilevers mount vertically so are used only in the middle of a panel run where there is a vertical break in the panel (including one panel wider than 66" with split fascias)



- **Cannot** be used as an end-of-run support

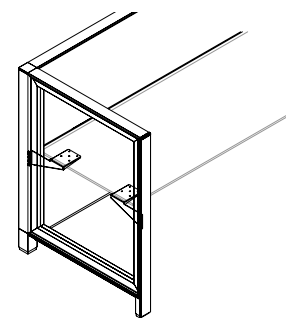
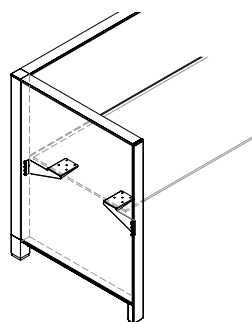


- **Cannot** be used on panels less than 60" wide because there is no center vertical frame to attach to



## Off-Module Cantilever (UNLVF)

- Placed directly below a work surface or the connection of two work surfaces and can be mounted anywhere along the length of a panel
- Is mounted into the horizontal rails of the panel (6" and 29")
- The flange is wide enough to span the connection (with or without knife-edge work surfaces)
- A Flush Plate should be used for added alignment if used at the intersection of two surfaces
- A 22" and 6" lower fascia are required for use with this cantilever if a flush panel is used
- Recommended for use with Elevated Panel Walls because the bracket does **not** extend below the 6" horizontal rail

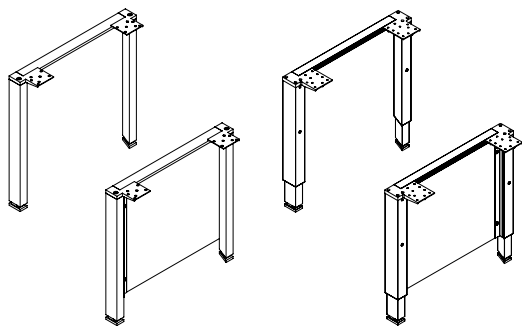
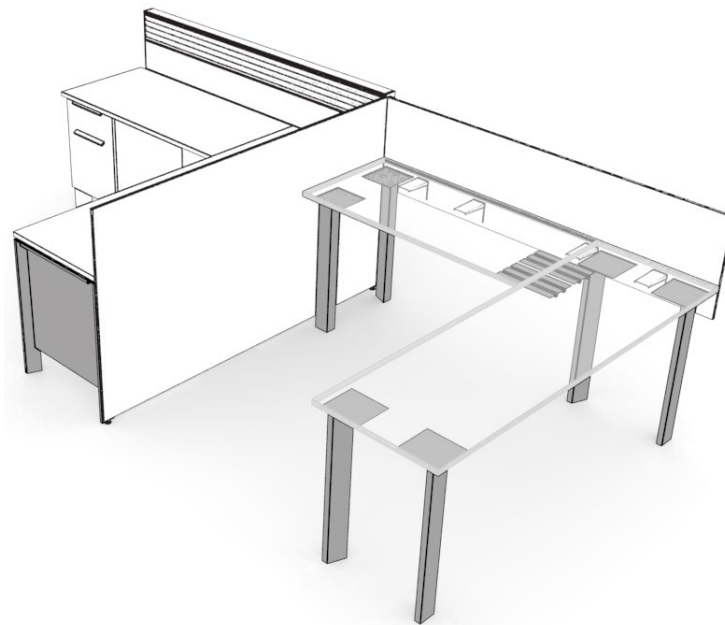


## Work surface Panel Wall Bracket – Height-Adjustable (UNBPA)

- Hooks into the vertical channel at the end of a panel wall only to provide height-adjustable support
- Is an on-module bracket only
- Can be used for non height-adjustable mounting with Flush Full-Height Windows – Single and Double Glass (UNPEWSR, UNPFWDR) where no horizontal channel is available at 29" high

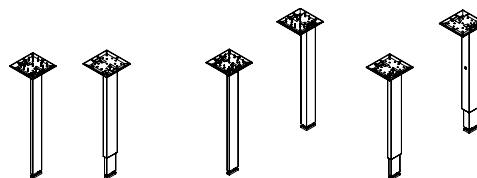
## worksurface support, freestanding basics

The following outlines the features of supports that are typically used in freestanding or semi-supported environments.



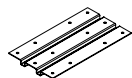
### Semi-Suspended Gable (UNGSN) and Semi-Suspended Gable – Height-Adjustable (UNGSAN)

- Consists of two legs and a support, and is used at the open end of a panel wall mounted semi-suspended worksurface
- Available with or without an infill, standard or height-adjustable
- Have a height-adjustable range of 6" (3" above and 3" below)



### Leg – Single (UNLGN), Leg – Height-Adjustable Single (UNLGA), Leg – Pair (UNLGPN) and Leg – Height-Adjustable Pair (UNLGPA)

- Used primarily in freestanding applications to provide worksurface support but can also be used for intermediate support in panel wall applications
- Available in single or pairs, standard or height-adjustable
- Have a height-adjustable range of 6" (3" above and 3" below)

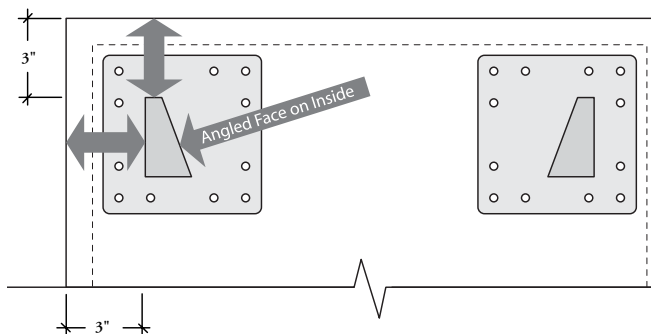


### Structural Flush Plate (UNRFS)

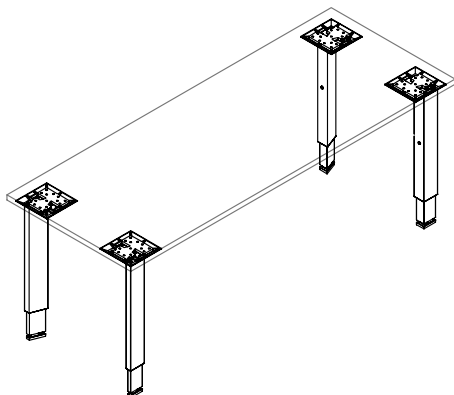
- Used to join two worksurfaces in freestanding application
- Two Structural Flush Plates used with a leg provides the required stability to create freestanding desks

# planning with worksurface supports, freestanding

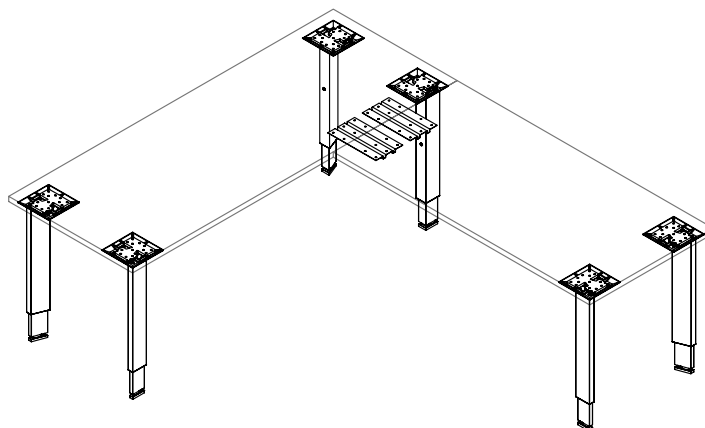
The following should be considered when planning with freestanding supports.



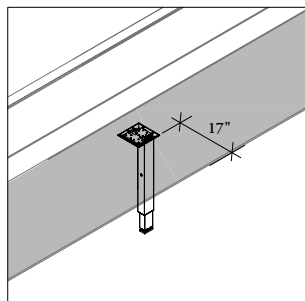
When post legs are used at the end of a worksurface the legs are inset from each end by 3" and the angled face is always on the inside



Freestanding desks can be created using a District worksurface and either two pairs or four single legs.

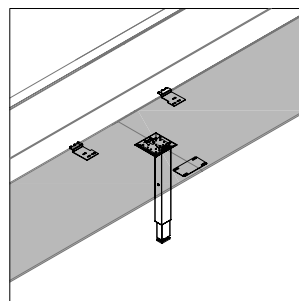


When an "L" shaped freestanding workstation is created the leg between the two worksurfaces is **not** shared, it mounts to one worksurface and two Structural Flush Plates are used to connect the two surfaces.



### Leg as an Intermediate Support

- A leg can be used as an intermediate support to provide floor support
- The position on the leg is the same regardless of the worksurface edge profile, and is always 17" from the user edge of the worksurface



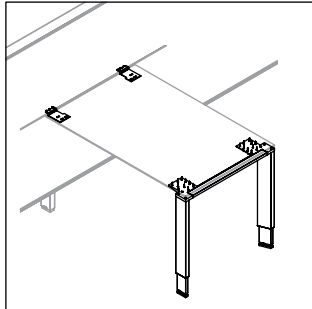
### Leg as a Shared Intermediate Support

- When used in a shared position one leg supports both worksurfaces, and the 3" flat worksurface of the Post Leg is oriented toward the user
- A Flush Plate is required to align the two surfaces

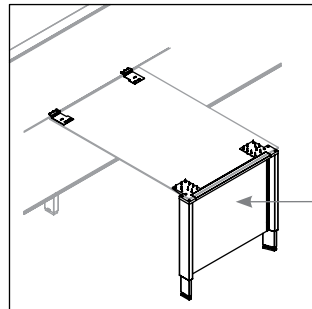
# planning with semi-suspended supports

The following should be considered when planning with semi-suspended supports.

## Semi-Suspended Gable (UNGSN) and Height-Adjustable Semi-Suspended Gable (UNGSAN)



- Has a horizontal bar connecting the two legs for added support in semi panel-mounted applications

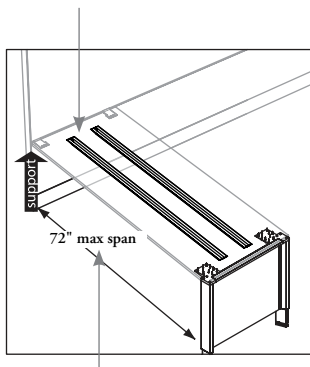


- An infill is **not** necessary for rigidity of a Semi-Suspended Gable. It is an aesthetic option for matching panel-mounted gables with infills

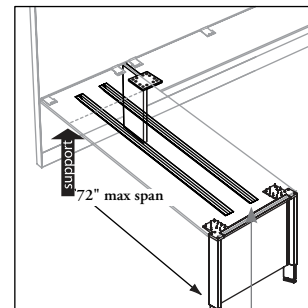
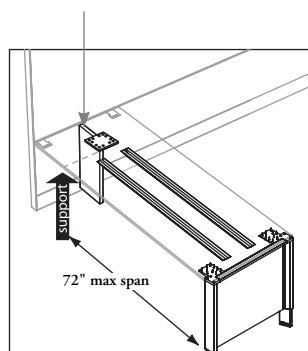
## mounting semi-suspended surfaces to panel walls

- Two Worksurface Panel Wall Brackets (UNBP) are required on any panel supported worksurface end

- The size of the semi-supported worksurface can be increased using a half depth gable to reduce the unsupported span



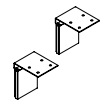
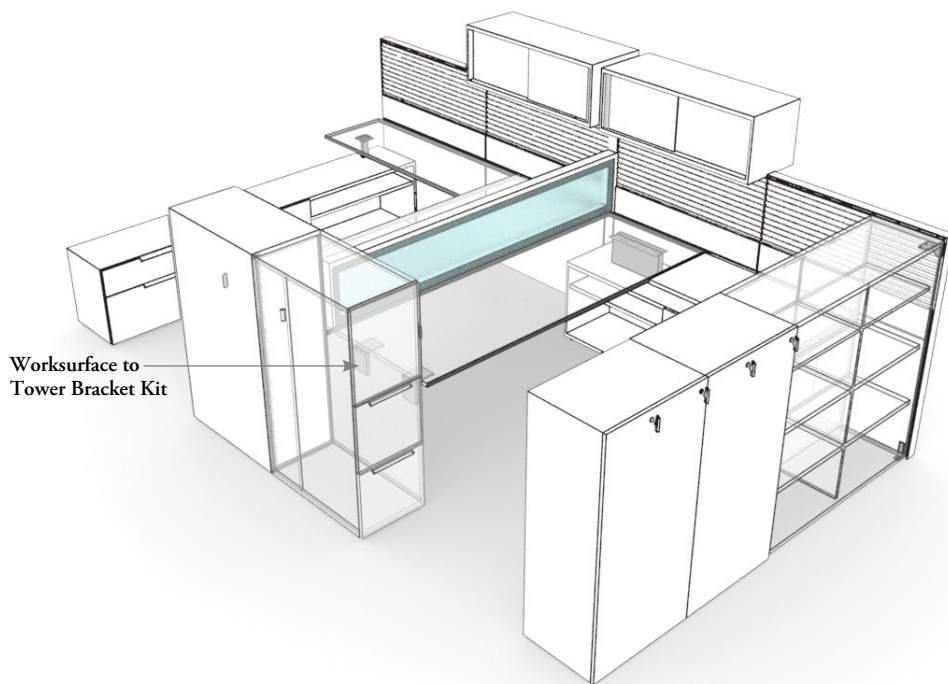
- The maximum width of the worksurface is 72" unless additional floor support is added



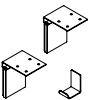
- Mid Gables (UNGMF) or Cantilevers should be used at connections between panel supported and semi-supported worksurfaces

# worksurface-to-storage support basics

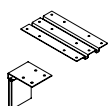
The following outlines the features of supports that connect storage to panel walls, worksurfaces and walls.



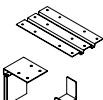
2 Brackets



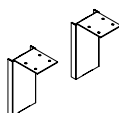
2 Brackets/One Hook



1 Bracket/1 Flush Plate



1 Bracket/1 Flush Plate/  
One Hook

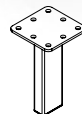


## Worksurface-to-Tower Bracket Kit (UWBT)

- Used to attach worksurfaces to storage components
- Available with four options:
  - (BB) two brackets, which are used with storage with no cubbies – the brackets attach to the underside of the worksurface and the side of the storage
  - (HB) two brackets, one hook, which are used with storage with no cubbies – the brackets attach to the underside of the worksurface and the side of the storage, and the hook attaches to the bracket to hang personal items
  - (BF) one bracket, one flush plate, which are used with storage with cubbies – the bracket attaches to the underside of the worksurface and the side of the storage, and the flush plate attaches the worksurfaces and a shelf in the cubby section of the storage
  - (HF) one bracket, one flush plate, one hook, which are used with storage with cubbies – the bracket attaches to the underside of the worksurface and the side of the storage, the flush plate attaches the worksurfaces and a shelf in the cubby section of the storage, and the hook attaches to the bracket to hang personal items

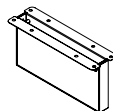
## Height-Adjustable Worksurface-to-Tower Bracket Kit (UWBTH)

- **Cannot** be used on a Pedestal Tower with Cubby Back (UTDC), see the *District Storage Price & Application Guide*.

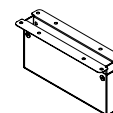


## Mini Leg (UNCLN)

- Used in place of the Low Credenza Worksurface Support (UNCPWN) when panel support and height-adjustability is **not** required because it does **not** attach the storage, it simply rests on it
- **Cannot** be used in freestanding desking applications
- Must be used with Worksurface Panel Wall Bracket (UNBP) and Storage-to-Panel Bracket (UWSPB). This combination provides support to panels



Fixed-Height



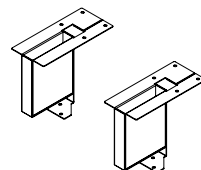
Height-Adjustable

## Low Credenza-to-Worksurface Supports (UNCPWN)

- Mount to the underside of a worksurface and to the top of a Low Credenza to provide support to the worksurface
- When used in combination with the Worksurface Panel Wall Bracket (UNBP) and Storage-to-Panel Bracket (UWSPB), support is provided for panels
- Offer a height-adjustable leveling option with a range of 4" (3" above the fixed height of 7" or 1" below the fixed height of 7")

## Reconfigurable Low Credenza-to-Worksurface Support (UWCPWN)

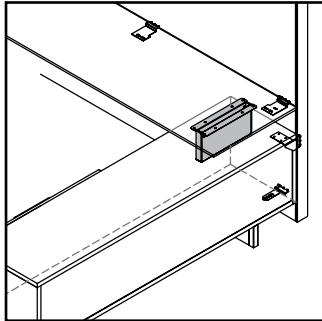
- Mounts to the underside of the worksurface, wraps around the top of an open compartment on low storage and attach to the underside of the open section
- Does **not** attach to the top of a storage unit, therefore **not** making it to allow for reconfigurability
- Is **not** height-adjustable



## planning with worksurface to storage supports

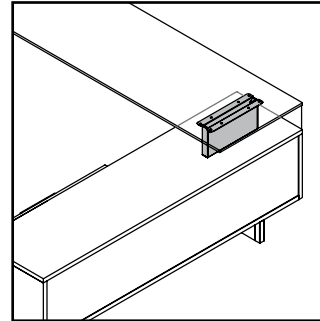
The following should be considered when planning with worksurface to storage supports.

### Low Credenza-to-Worksurface Supports (UNCPWN)



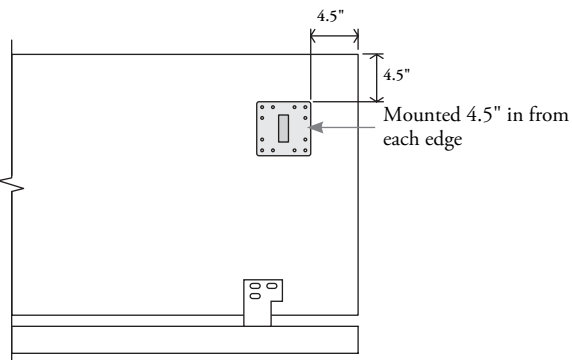
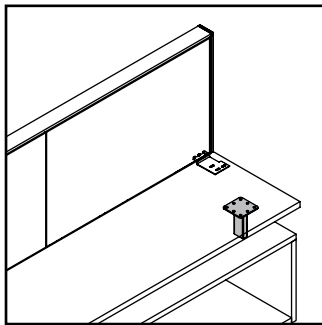
#### panel-mounted

- Can be used in panel-mounted applications to support the front of the worksurface
- Attaches the bottom of a worksurface to the top of a low credenza
- Does **not** add rigidity to the panel on its own; worksurface and storage supports must be specified at the 6", at 29" to give adequate support



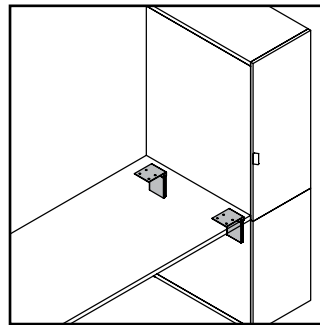
#### freestanding

- Can be used in freestanding applications to attach the bottom of a worksurface to the top of a low credenza
- Is available in a height-adjustable option



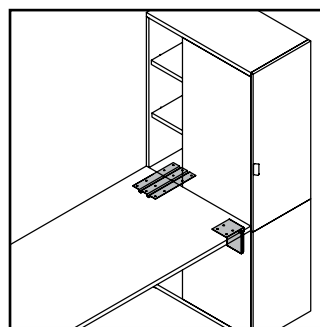
#### Mini Leg (UNCLN)

- Is an alternative support used to support the front of a worksurface over a low credenza in panel-mounted applications
- **Cannot** be used in freestanding desking applications because the support rests on top of the credenza without being fastened to it
- Is **not** height-adjustable



#### Worksurface-to-Tower Bracket Kit (UWBTBB) – (2 brackets) Height-Adjustable Worksurface-to-Tower Bracket Kit (UNBTHBB) – (2 brackets)

- When mounting worksurfaces to storage, two brackets are required for support
- **Cannot** be used with storage with cubbies

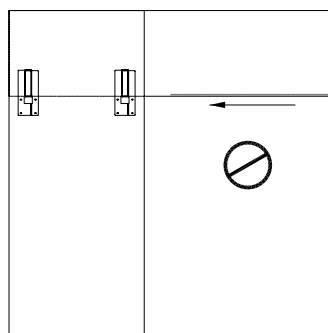
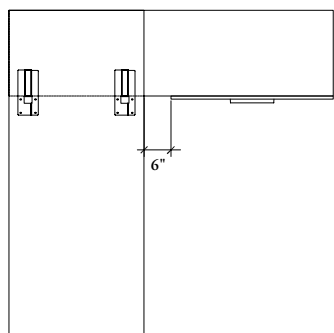
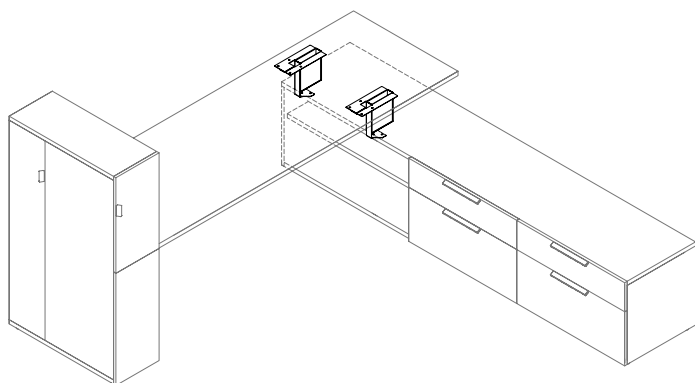


#### Worksurface-to-Tower Bracket Kit (UWBTBF) – (1 bracket, flush plate) Height-Adjustable Worksurface-to-Tower Bracket Kit (UNBTHBF) –

- When mounting worksurfaces to storage with cubbies, the option for bracket with flush plate must be selected – the flush plate attaches the worksurface to a shelf in the storage

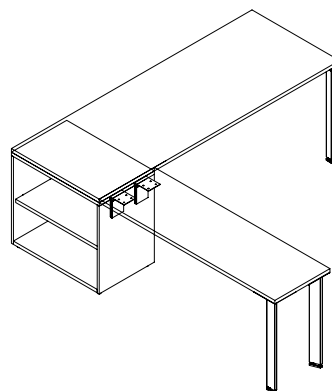
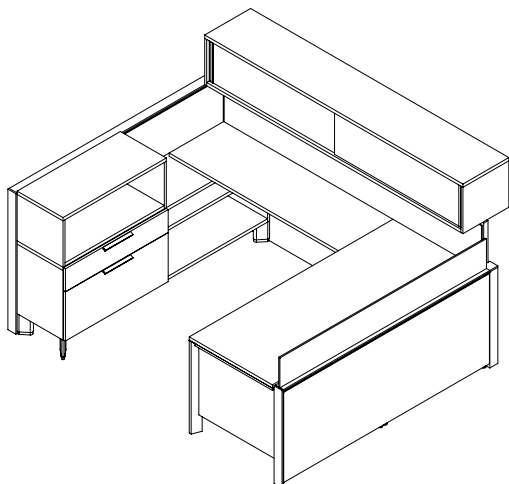
# planning with worksurface to storage support (continued)

## Reconfigurable Low Credenza-to-Worksurface Support (UWCPWN)



- The brackets are mounted towards the edges of the worksurface
- The open section of the storage below **cannot** be more than 6" wider than the worksurface to which it is attached to provide adequate support, therefore, a 24" deep worksurface **cannot** mount to the 36" wide open cubby of a 72", 84" or 96" wide credenza; the width difference is more than 6"

The sliding door credenza **cannot** be used with the reconfigurable low credenza-to-worksurface support because the track obstructs mounting

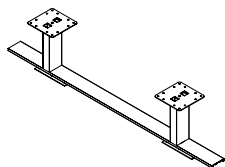
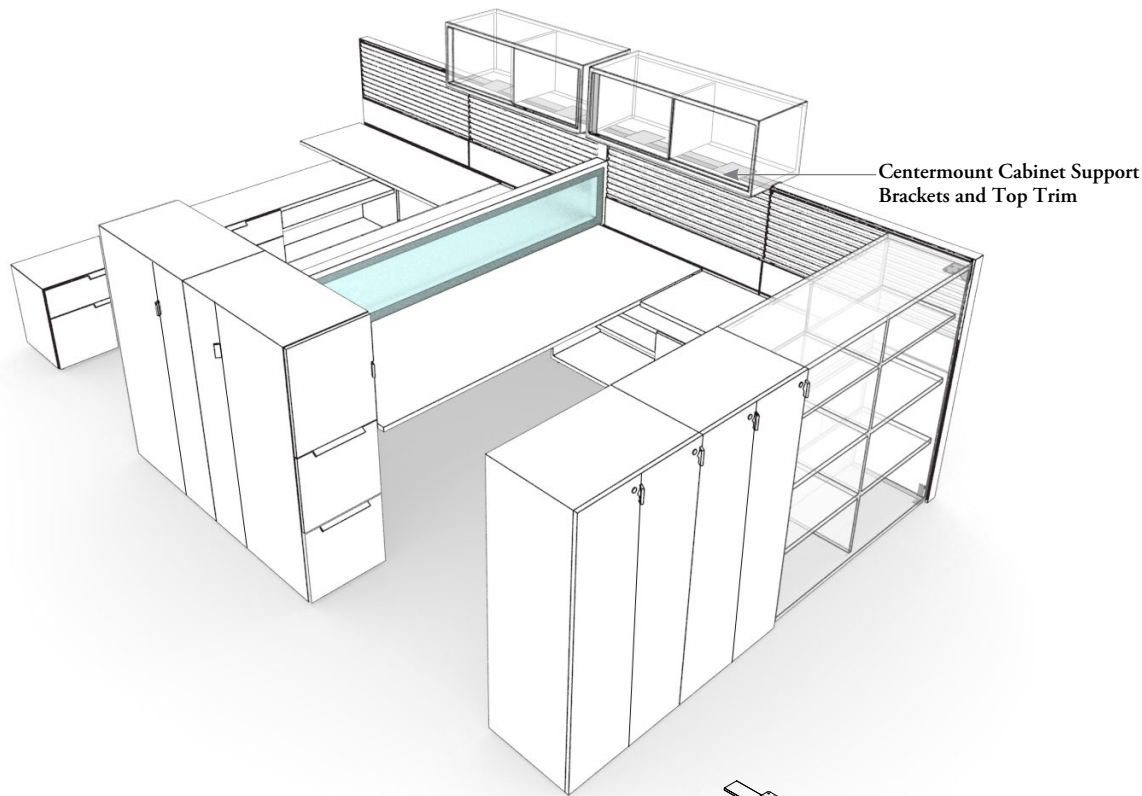


- When a high credenza or storage unit is mounted below a worksurface, it does not allow room for a Worksurface Panel Wall Bracket (UNBP) in the same location, therefore, in panel mounted applications (particularly when overhead storage is used) proper panel support is required
- The storage is attached to the underside of the worksurface, the worksurface is attached to the panel as closely as possible to the storage with the Worksurface Panel Wall Bracket (UNBP), and the storage is mounted to the panel with the Storage-to-Panel Bracket (UWSPB). If a return panel is used, the Storage-to-Panel Bracket (UWSPB) is not required, the return panel will support the spine. The storage needs to be attached to the worksurface only

- High storage, mounted to the underside of a worksurface will obstruct the ability to flush plate a return worksurface to the primary worksurface
- In this application the Worksurface-to-Tower Bracket Kit (UWBT), must be used, to mount the return worksurface to the side of the storage, and then the storage is attached to the bottom of the primary worksurface

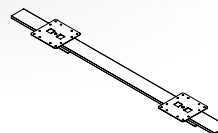
# storage-to-panel support basics

The following outlines the features the supports that connect storage-to-panels.



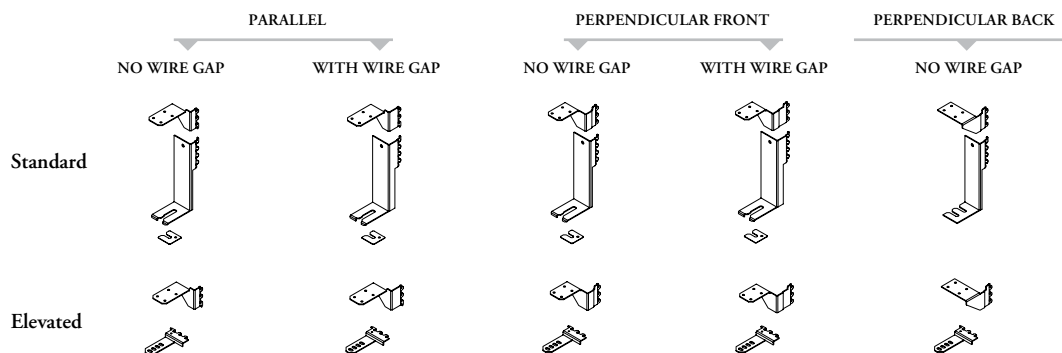
### Centermount Cabinet Support Posts & Top Trim (UNOPT)

- Used to support upmount cabinets on-module
- Include the top trim and posts, so replaces a standard top trim
- Available 9" high or 13" high posts and 30" - 60" wide
- To maintain District datum heights it is recommended on a panel 42" high use a 9" post and a 15" cabinet for 66" high datum, and on a panel 29" high use 13" post and a 9" cabinet for a 51" high datum



### Centermount Cabinet Support Brackets & Top Trim (UNOBT)

- Similar to Centermount Cabinet Support Posts & Top Trim (UNOPT) except that there are no posts
- Are available from 30" - 96" wide
- Cannot be used to attach a transaction counter



### Storage-to-Panel Bracket (UWSPB)

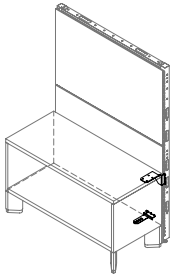


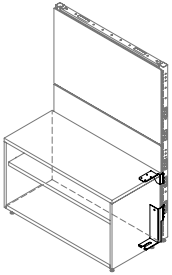
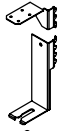
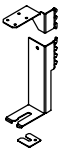
- Attaches to the back or side of a storage component and mounts into the vertical channel of a District panel, to provide support to a panel wall
- Options are available for parallel and perpendicular mounting at either the front or back of the cabinet, and for elevated and standard credenza heights
- Available with wire gap options
- Must be specified left or right handed, handedness being determined by the side of the panel to which storage is attached



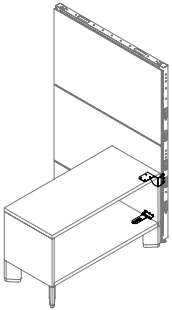


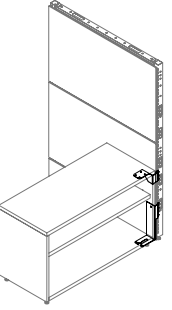
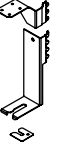
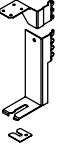
# selecting the correct storage-to-panel bracket

All storage units attach to panels with either parallel, perpendicular front or perpendicular back brackets. The following outlines each option, and which cabinets use each individual option.

## parallel mounting

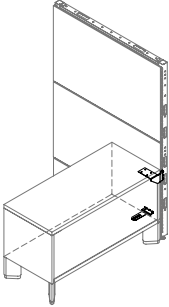

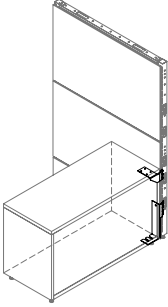

		<ul style="list-style-type: none"> <li>• 3/8" offset (no gap) Elevated Storage</li> </ul>	<ul style="list-style-type: none"> <li>• Used on storage with a closed back that fits flush or parallel to a panel wall</li> <li>• Bracket will attach to the storage unit through the slot located on the back of the unit</li> <li>• Available with 3/8" offset when no gap is required between the storage and panel wall, and 1" offset when a gap is required</li> <li>• Available for elevated and standard storage heights</li> <li>• Bracket fits into the vertical slots of the District panel wall</li> <li>• Handedness is determined by the side of the panel when facing it onto which the storage is mounted</li> </ul> <p>Parallel mounting is used on the following storage units: UBKE, UBKS, UFLS, UKC, UKQ, UTLE, UTLS, UTCE, UTCS, UPFD, UPSE, UPSS, UKSD, UTDD, UTDK all credenzas. These products can be found in the <i>District Storage Price &amp; Application Guide</i>.</p>
		<ul style="list-style-type: none"> <li>• 1" offset (with gap) Elevated Storage</li> </ul>	
		<ul style="list-style-type: none"> <li>• 3/8" offset (no gap) Standard Storage</li> </ul>	
		<ul style="list-style-type: none"> <li>• 1" offset (with gap) Standard Storage</li> </ul>	

## perpendicular mounting, front

		<ul style="list-style-type: none"> <li>• 3/8" offset (no gap) Elevated Storage</li> </ul>	<ul style="list-style-type: none"> <li>• Used when bracket is being attached to the inside of an open cubby space (<b>not</b> through a slot in the back). This mounting option is appropriate for units that have:                             <ul style="list-style-type: none"> <li>- open section (open credenzas, bookcases, etc),</li> <li>- cubby back (single lockers, pedestals) and</li> <li>- door in the mounting location (dual lockers etc)</li> </ul> </li> <li>• Available with 3/8" offset when no gap is required between the storage and panel wall, and 1" offset when a gap is required</li> <li>• Available for elevated and standard storage heights</li> <li>• Bracket fits into the vertical slots of the District panel wall</li> <li>• Handedness is determined by the side of the panel when facing it onto which the storage is mounted</li> </ul> <p>Perpendicular mounting, front is used on the following storage units: UBKE, UBKS, UHHE, UHHS, UHOE, UHOS, ULHE, ULHS, ULOE, ULOS, UTCE, UTCS, UTDC, UTLE, UTLS. These products can be found in the <i>District Storage Price &amp; Application Guide</i>.</p>
		<ul style="list-style-type: none"> <li>• 1" offset (with gap) Elevated Storage</li> </ul>	
		<ul style="list-style-type: none"> <li>• 3/8" offset (no gap) Standard Storage</li> </ul>	
		<ul style="list-style-type: none"> <li>• 1" offset (with gap) Standard Storage</li> </ul>	

# selecting the correct storage-to-panel bracket (continued)

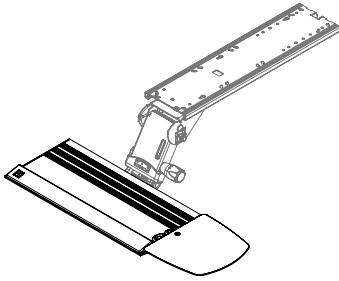
## perpendicular mounting, back

		<ul style="list-style-type: none"> <li>• 3/8" offset (no gap) Elevated Storage</li> </ul>	<ul style="list-style-type: none"> <li>• Used on storage that sits perpendicular to the panel but attachment is through the back of the storage unit through the slots</li> <li>• Available with 3/8" offset only (no gap)</li> <li>• Available for flush and elevated configurations</li> <li>• Bracket fits into the vertical slots of the Leverage panel</li> <li>• Handedness is determined by the side of the panel when facing it onto which the storage is mounted</li> </ul>
		<ul style="list-style-type: none"> <li>• 3/8" offset (no gap) Standard Storage</li> </ul>	<p>Perpendicular mounting, back is used on the following storage units: UBKE, UBKS, UFLS, UKQ, UPSE, UPSS, UTCE, UTCS, UTLE, UTLS all credenzas. These products can be found in the <i>District Storage Price &amp; Application Guide</i>.</p>

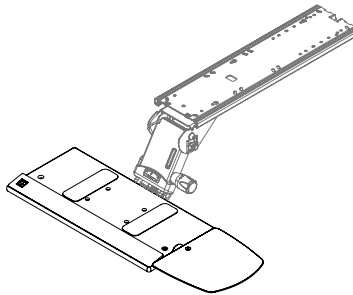
# planning with keyboard trays

The following keyboard trays and components can be used on District worksurfaces with Reinforcement Channels.

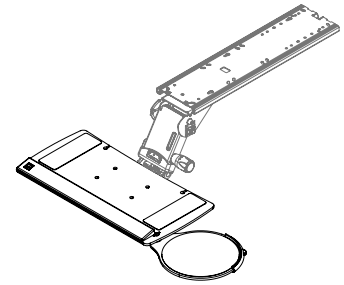
- When mounting a keyboard tray to worksurfaces where a support is located, certain conditions apply, consult Complements: *Teknion's Ergonomics & Accessories Program* for details and Application Matrices
- When the unsupported worksurface span is 48" or less, no reinforcement channels are required thus facilitating keyboard tray installation



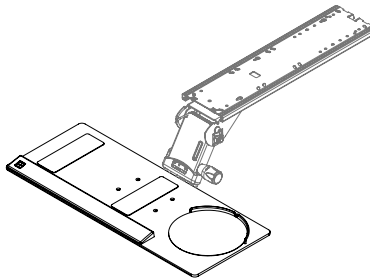
Tiers "T1" Aluminum Complete Keyboard Solution (YKT1)



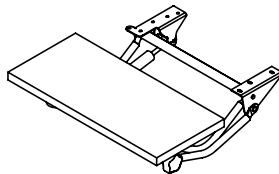
Tiers "T2" HDPE Complete Keyboard Solution (YKT2)



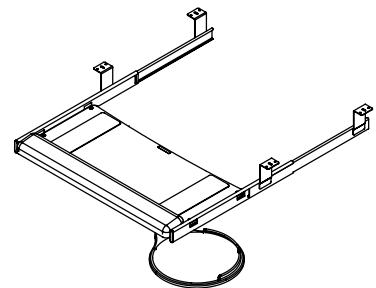
Tiers "T3" Small Phenolic Complete Keyboard Solution (YKT3)



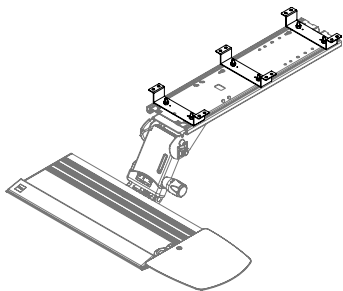
Tiers "T4" Large Phenolic Complete Keyboard Solution (YKT4)



Rectangular Keyboard Tray (YKKW)



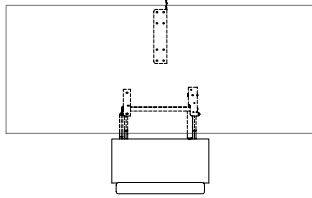
Retractable Keyboard Tray (YKRT)



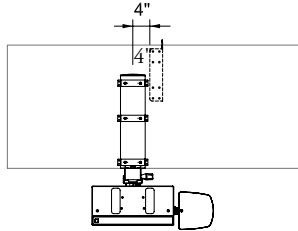
Accessories Offset Mount (YKMT-150)

# planning with keyboard trays (continued)

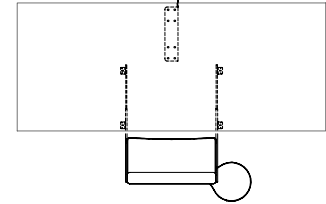
## compatibility with cantilevers



**Rectangular Keyboard Tray (YKKW)**  
Fits on worksurface depths 24", 30", 36" and must sit 4" from cantilever

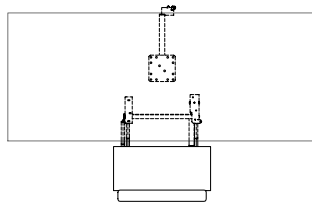


**Accessories Offset Mount (YKMT-150)**  
Compatible with worksurface depths 24", 30", 36"

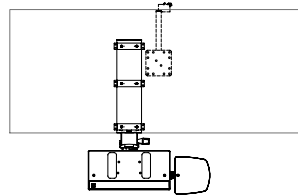


**Retractable Keyboard Tray (YKRT)**  
Fits on worksurface depths 24" and 30"

## worksurfaces supported by a mid-gable

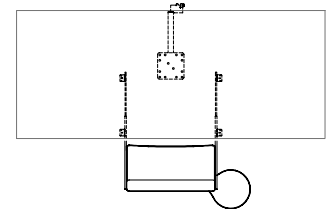


**Rectangular Keyboard Tray (YKKW)**  
Compatible with all worksurface depths when the proper mid gable depth is specified



**Accessories Offset Mount (YKMT-150)**

- Fits on worksurface depths 30" and 36"
- Fits on 24" worksurface if keyboard tray handle does **not** interfere with half gable



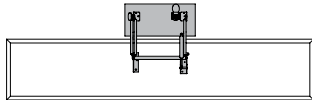
**Retractable Keyboard Tray (YKRT)**  
Fits on worksurface depths 24", 30", 36"

# planning with keyboard trays (continued)

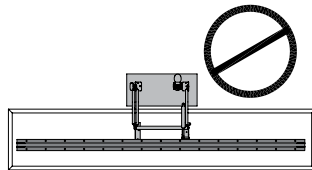
The following charts outline keyboard compatibility with reinforcement channels.

## Keyboard Tray (YKKW) used on rectangular worksurfaces

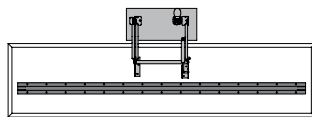
10.5" is required to the first reinforcement channel



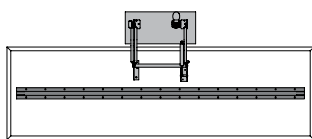
20" deep Rectangular Worksurface without Worksurface Reinforcement Channels



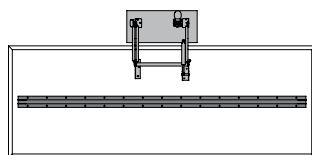
20" deep Rectangular Worksurface with Worksurface Reinforcement Channels



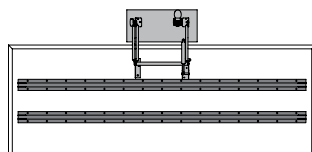
24" deep Rectangular Worksurface with one Worksurface Reinforcement Channel



30" deep Rectangular Worksurface with one Worksurface Reinforcement Channel



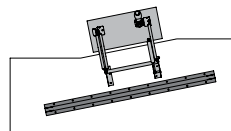
36" deep Rectangular Worksurface with one Reinforcement Channels



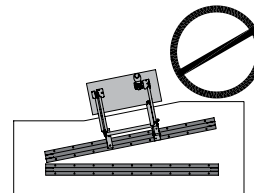
36" deep Rectangular Worksurface with two Reinforcement Channels

## Keyboard Tray (YKKW) used on angled worksurfaces

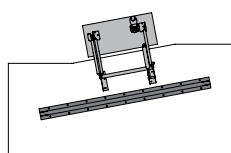
Can be used on Wedge, Extended Wedge and Wing Worksurfaces



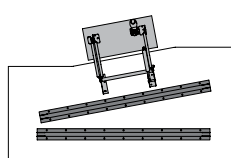
24" - 30" deep Transition Worksurface with one Worksurface Reinforcement Channel



24" - 30" deep Transition Worksurface with two Worksurface Reinforcement Channels – keyboard tray **cannot** be installed here



30" - 36" deep Transition Worksurface with one Worksurface Reinforcement Channel



30" - 36" deep Transition Worksurface with two Worksurface Reinforcement Channels

# planning with keyboard trays (continued)

The following charts outline keyboard compatibility.

## Keyboard Tray (YKRT) used on Rectangular Worksurfaces (UNWR)

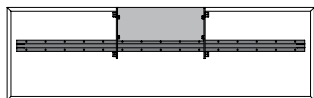
- Can be used with all worksurface depths regardless of the need for Worksurface Reinforcement Channels
- The brackets extend over the Worksurface Reinforcement Channels



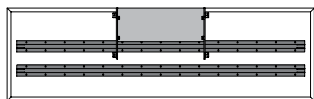
20" deep Rectangular Worksurface with one Worksurface Reinforcement Channel



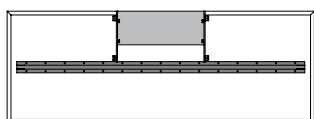
24" deep Rectangular Worksurface with one Worksurface Reinforcement Channel



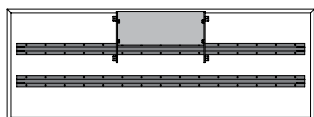
30" deep Rectangular Worksurface with one Worksurface Reinforcement Channel



30" deep Rectangular Worksurface with two Worksurface Reinforcement Channels



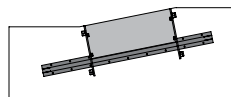
36" deep Rectangular Worksurface with one Worksurface Reinforcement Channel



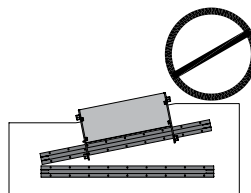
36" deep Rectangular Worksurface with two Worksurface Reinforcement Channels

## Keyboard Tray (YKRT) used on Transition Worksurface (UNWT)

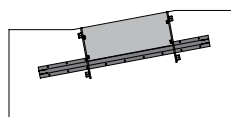
Can be used on Wedge, Extended Wedge and Wing Worksurfaces



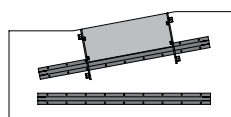
24" - 30" Deep Transition Worksurface with one Worksurface Reinforcement Channel



24" - 30" deep Transition Worksurface with two Worksurface Reinforcement Channels – keyboard tray **cannot** be installed here



30" - 36" deep Transition Worksurface with one Worksurface Reinforcement Channel



30" - 36" deep Transition Worksurface with two Worksurface Reinforcement Channels