

DIVI

TRAINING & SPECIFICATION INFORMATION



Welcome to the Divi spec guide. This guide was designed as an introduction to the specification process of Divi. Of course, the usual support is available for this catalog just as it is for the others (E-Brochures, Design Checks, Catalog, Brochures, Training, Etc. . .), so think of this more as a quick reference and introduction.

A Panel Part Number Details

B Panel Details and Specifications

C Connectors and Shrouds

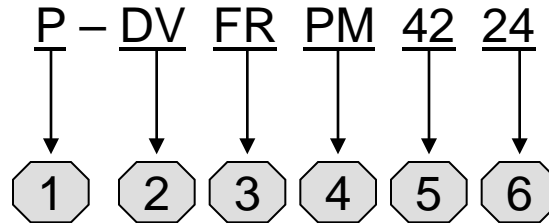
D Electrical

E Surfaces

F Supports

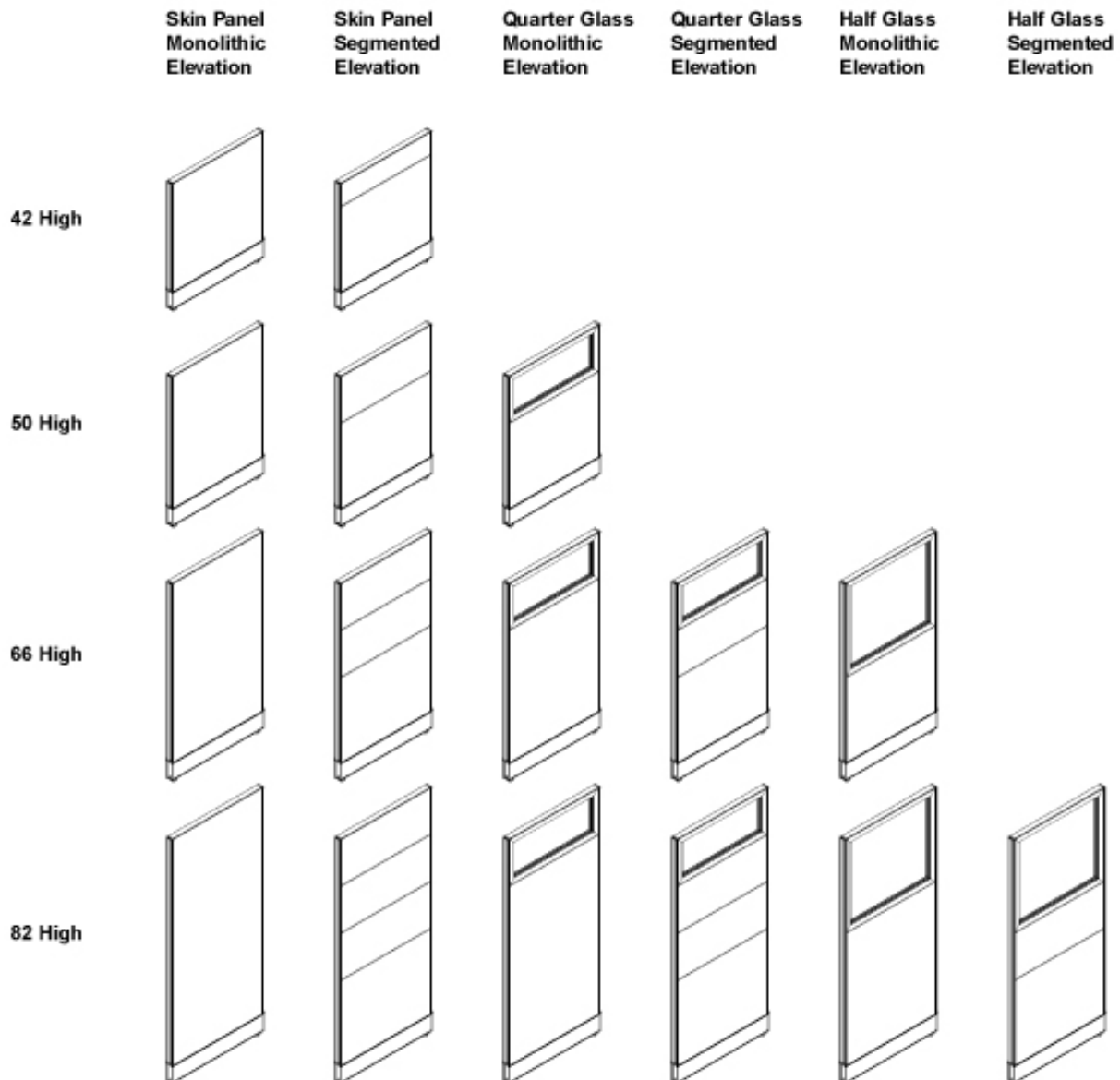
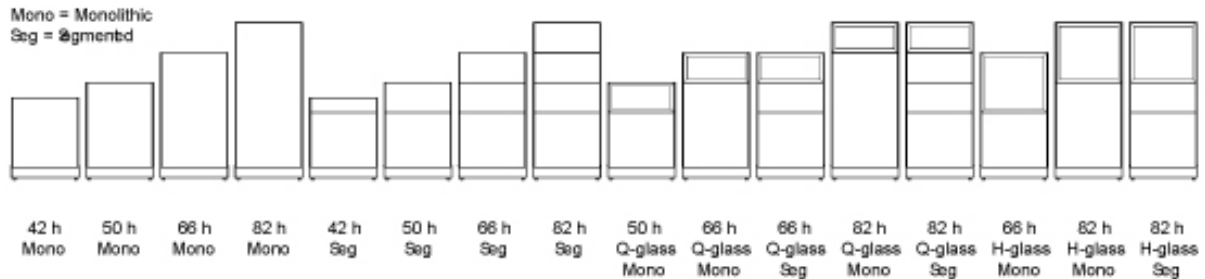
G Storage

DiVi panels all use the same basic “formula” when specifying the panels. The part numbers refer to the panel type, segmentation, power and dimensions. Below is a basic break down of how the panel part numbers are identified.



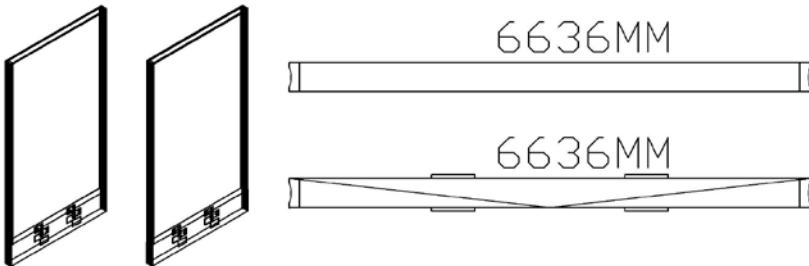
- 1 • P: Panel Category
- 2 • DV: Divi Catalog
- 3 •
 - FR: Fabric Regular (Non-Powered)
 - FP: Fabric Powered
 - TR: Tackable Regular (Non-Powered)
 - TP: Tackable Powered
 - DL / DR: Door Panel (Left or Right)
 - QGR: Quarter Glass Regular (Non-Powered)
 - QGP: Quarter Glass Powered
 - HGR: Half Glass Regular (Non-Powered)
 - HGP: Half Glass Powered
- 4 •
 - PM: Permanent Monolithic
 - MM: Monolithic Both Sides
 - MS: Monolithic One Side, Segmented One Side
 - SS: Segmented Both Sides
- 5 • Height
- 6 • Width

The below chart shows the different panel types available in DiVi. All panel types are available as powered or non-powered panels.



Most of the 2d symbols for Divi will detail the panels so your drawings are easier to read. The only panel types that do not contain a visual representation of a feature are the Quarter Glass and Half Glass Panels. These you will need to refer to the panel text to identify.

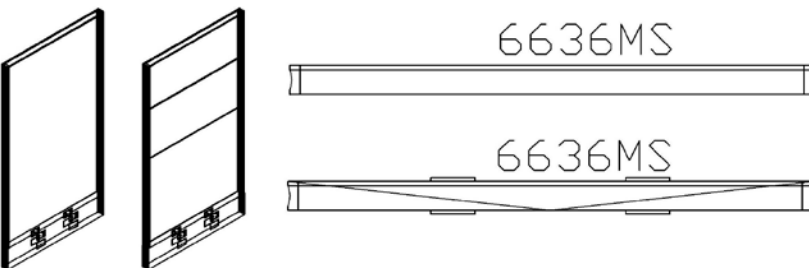
Front Back



“MM” : Monolithic / Monolithic

The lower panel is powered, which is detailed by the “V” Running the length of the panel.

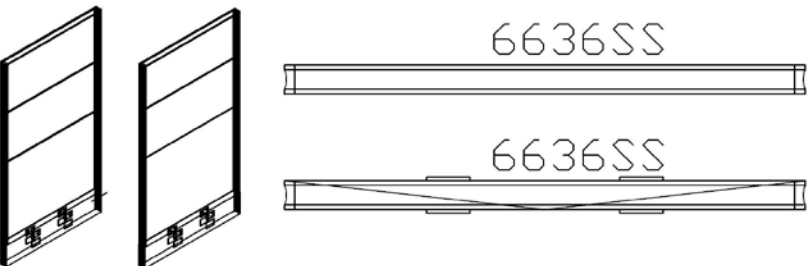
Front Back



“MS” : Monolithic / Segmented

Notice how there is a small line towards the top of the symbol. This shows which side will have the segmentation, so that you can orient the panels correctly for 3d prints.

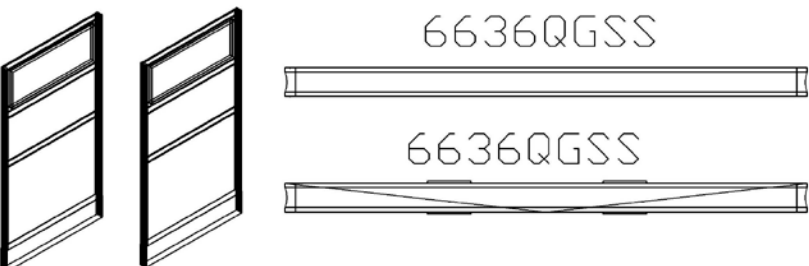
Front Back



“SS” : Segmented / Segmented

This one will have the small line showing segmentation on both sides, so that you can see it is double segmented while in plan view.

Front Back

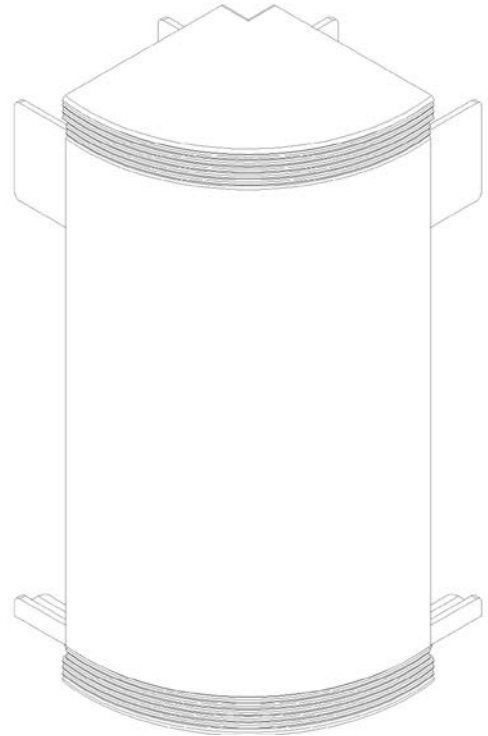
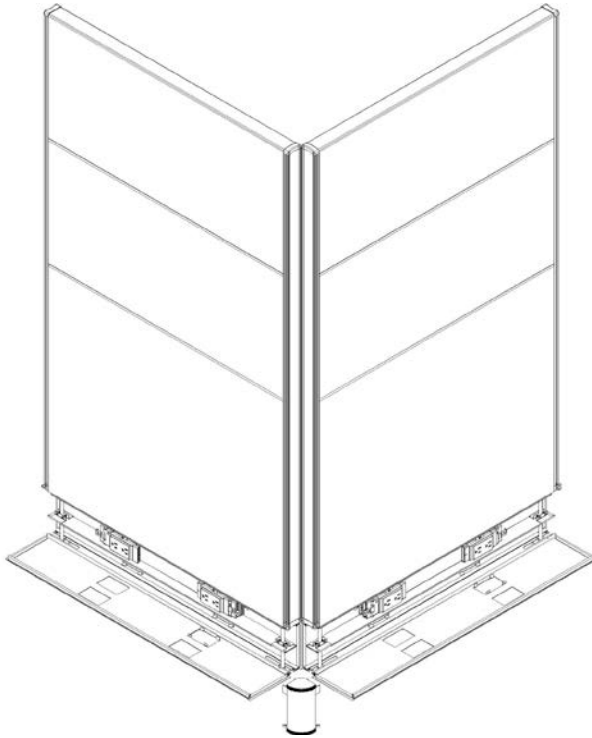


“QG” : Quarter Glass

“SS” : Segmented / Segmented

These will have the same lines on them, but will be dependant on the text for either HG (Half Glass) or QG (Quarter Glass).

Divi panels use a polypropylene hinge as connectors, so the “traditional” hardware regarding connectors is not needed. What is needed in place of connectors is only the Raceway Shrouds to hide telephone / data / electrical cables. The Shrouds should be used at all locations possible to avoid exposing the interior of the panels.



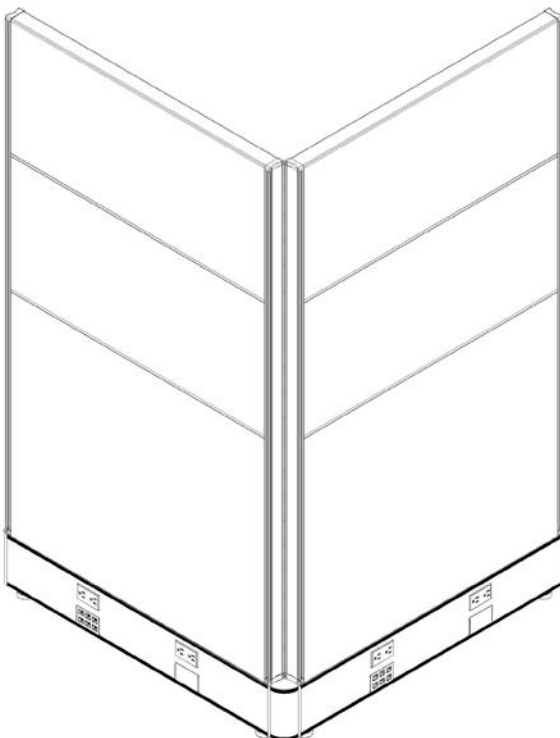
2-Way Shroud

Used for 2 way connections with Divi. The 2-way shroud is available for all 2-way standard connections:

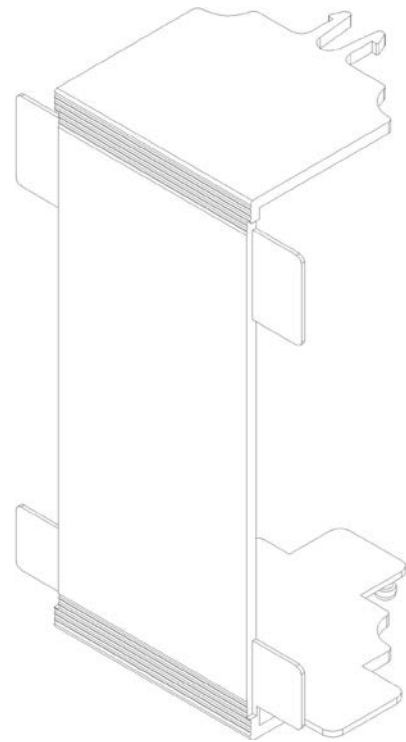
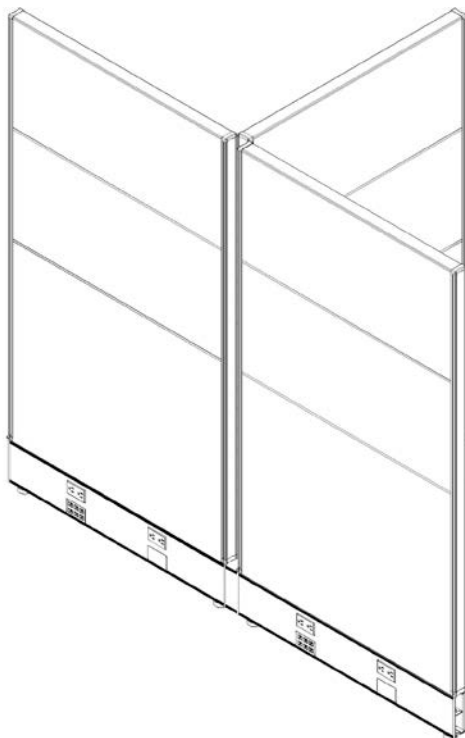
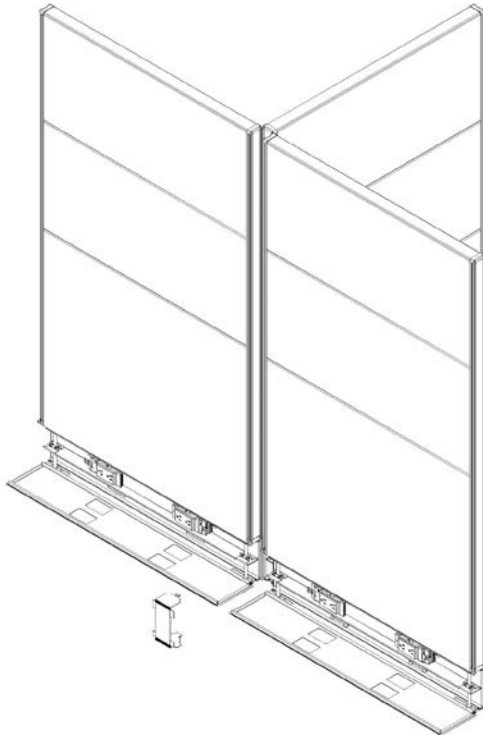
90 degree

60 / 120 degree

45 / 135 degree



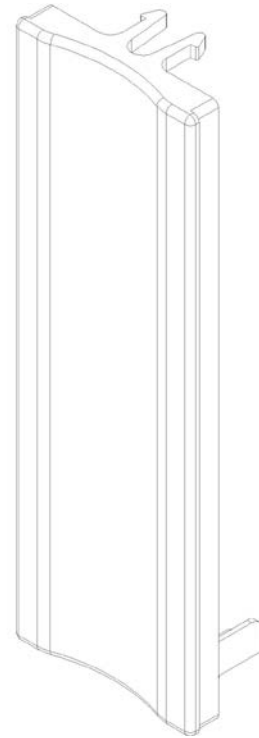
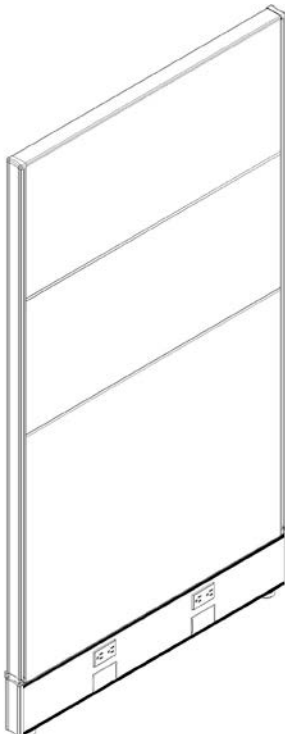
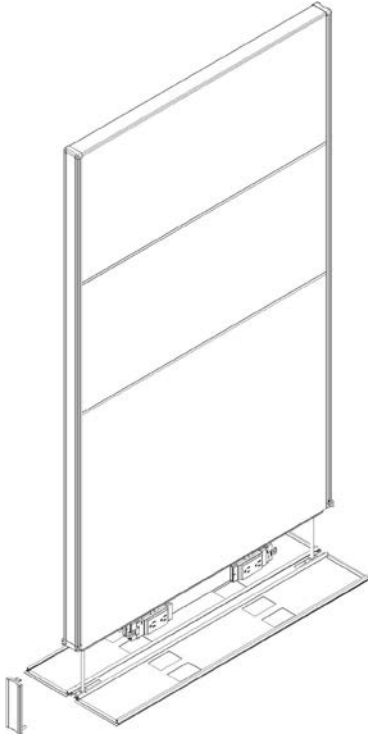
Divi panels use a polypropylene hinge as connectors, so the “traditional” hardware regarding connectors is not needed. What is needed in place of connectors is only the Raceway Shrouds to hide telephone / data / electrical cables. The Shrouds should be used at all locations possible to avoid exposing the interior of the panels.



3-Way Shroud

Used for 3 way, 90 degree connections

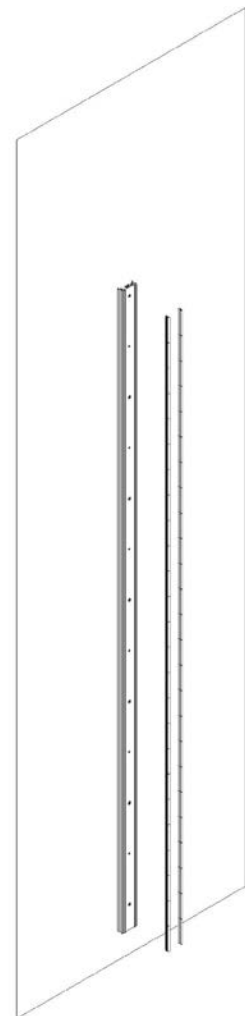
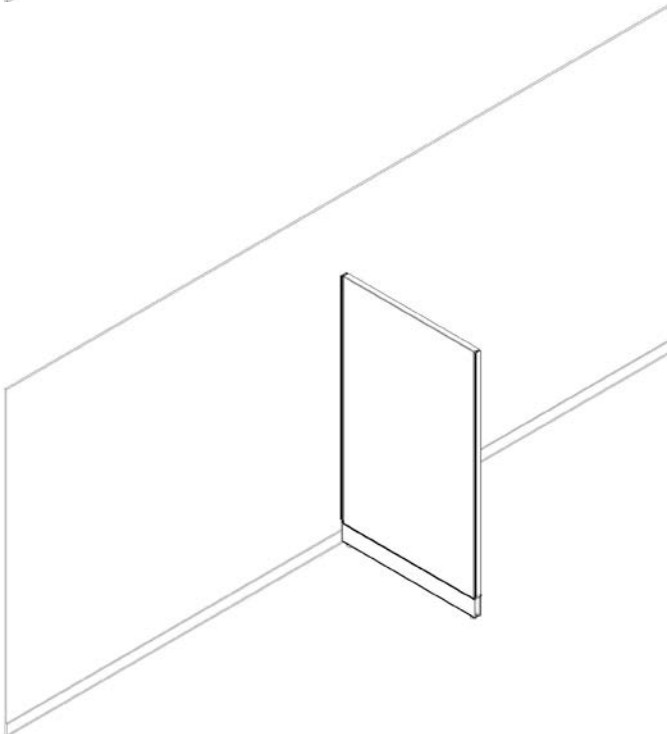
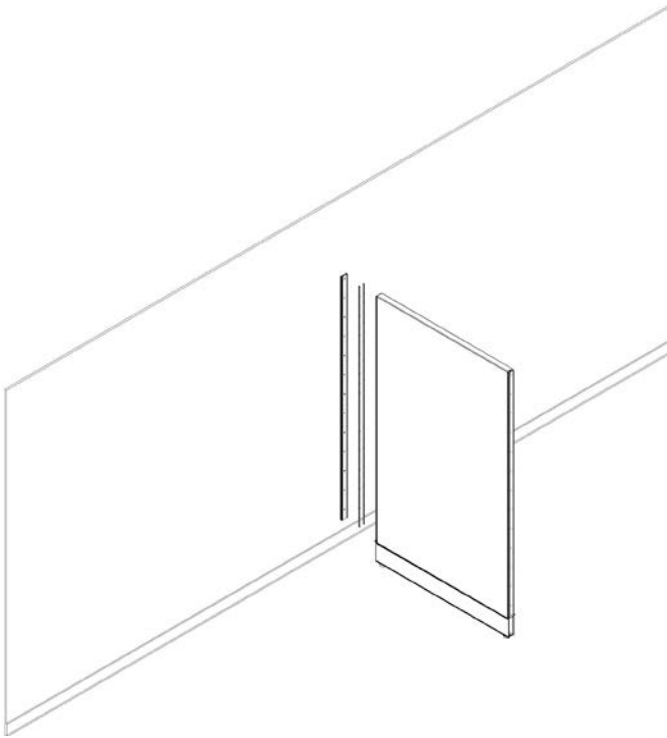
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End of Run Shroud

Used for end of run situations.

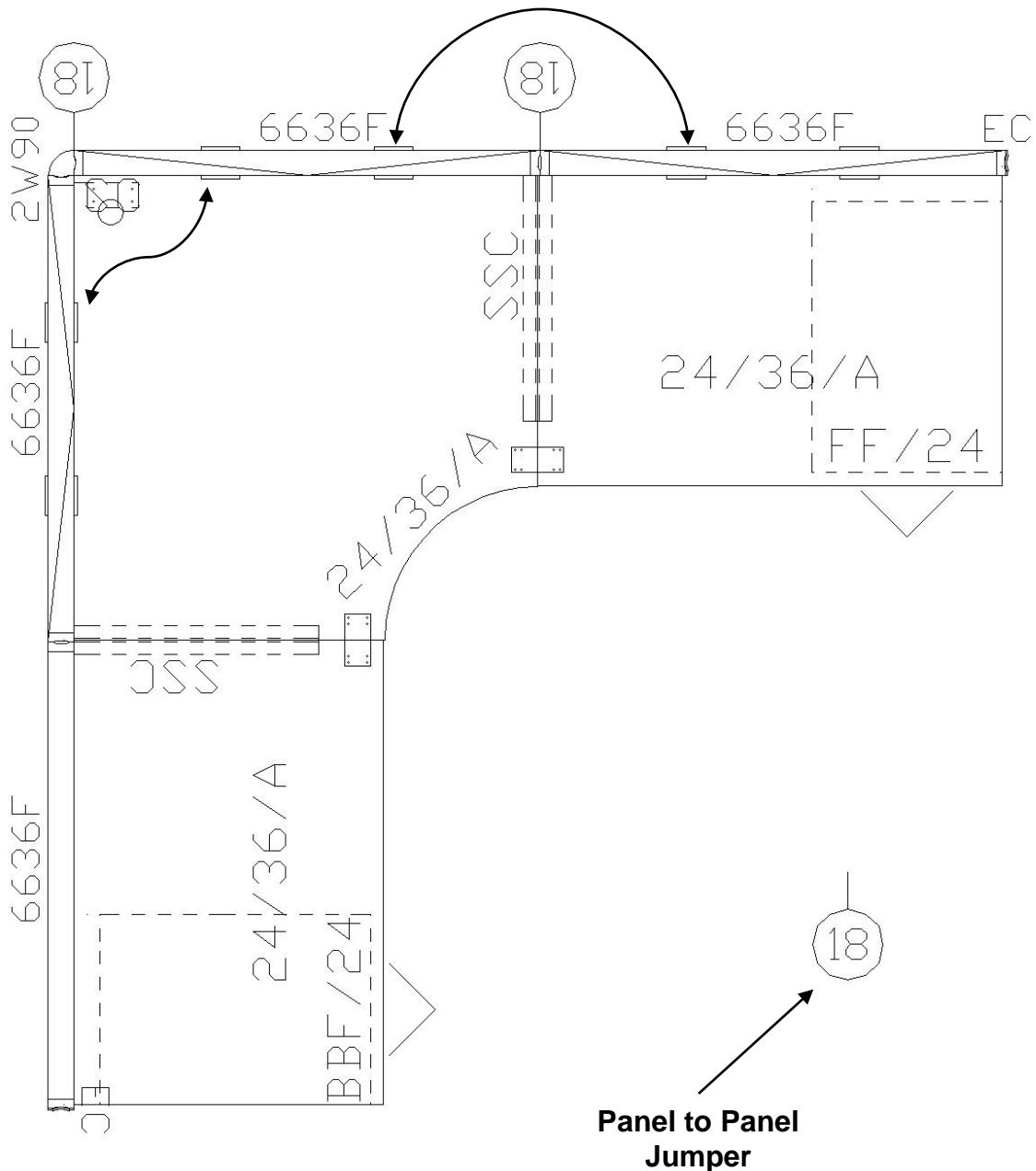
Wall mounts can be used to mount a panel perpendicular to a fixed wall. Specify according to the height of the panel to be mounted. The wall mount does include the hinges, but does not include the hardware to attach to the wall.



Wall Mount

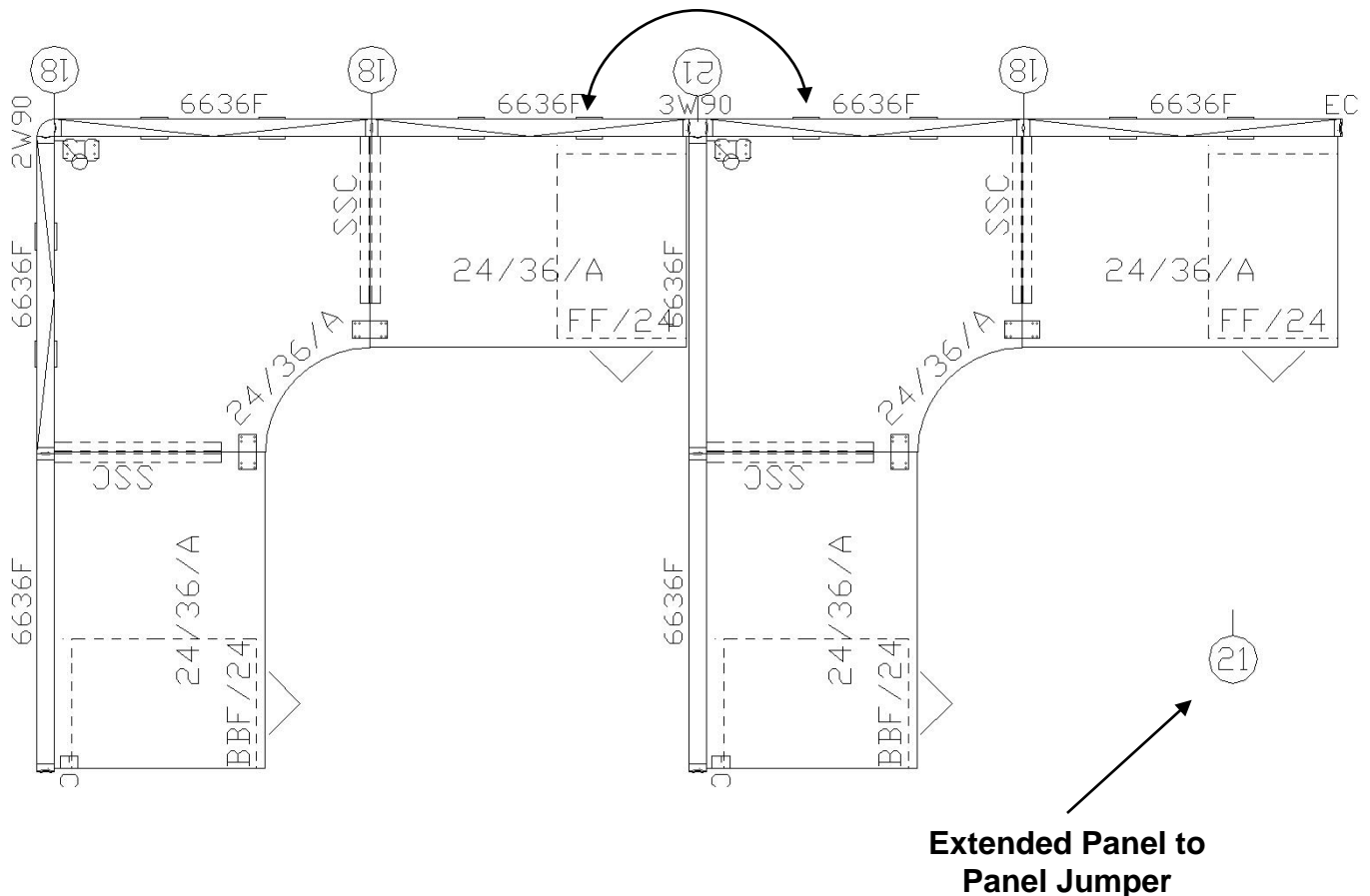
Panel to Panel Jumpers: These are used when connecting electrical from one panel to another panel in a straight line or at a corner. The easiest way to remember when to use these is that if the panels are touching each other and they are both powered, a panel to panel jumper will work.

Below is a rough idea of where two panel to panel jumpers would be placed, and the panels that they would connect to each other.



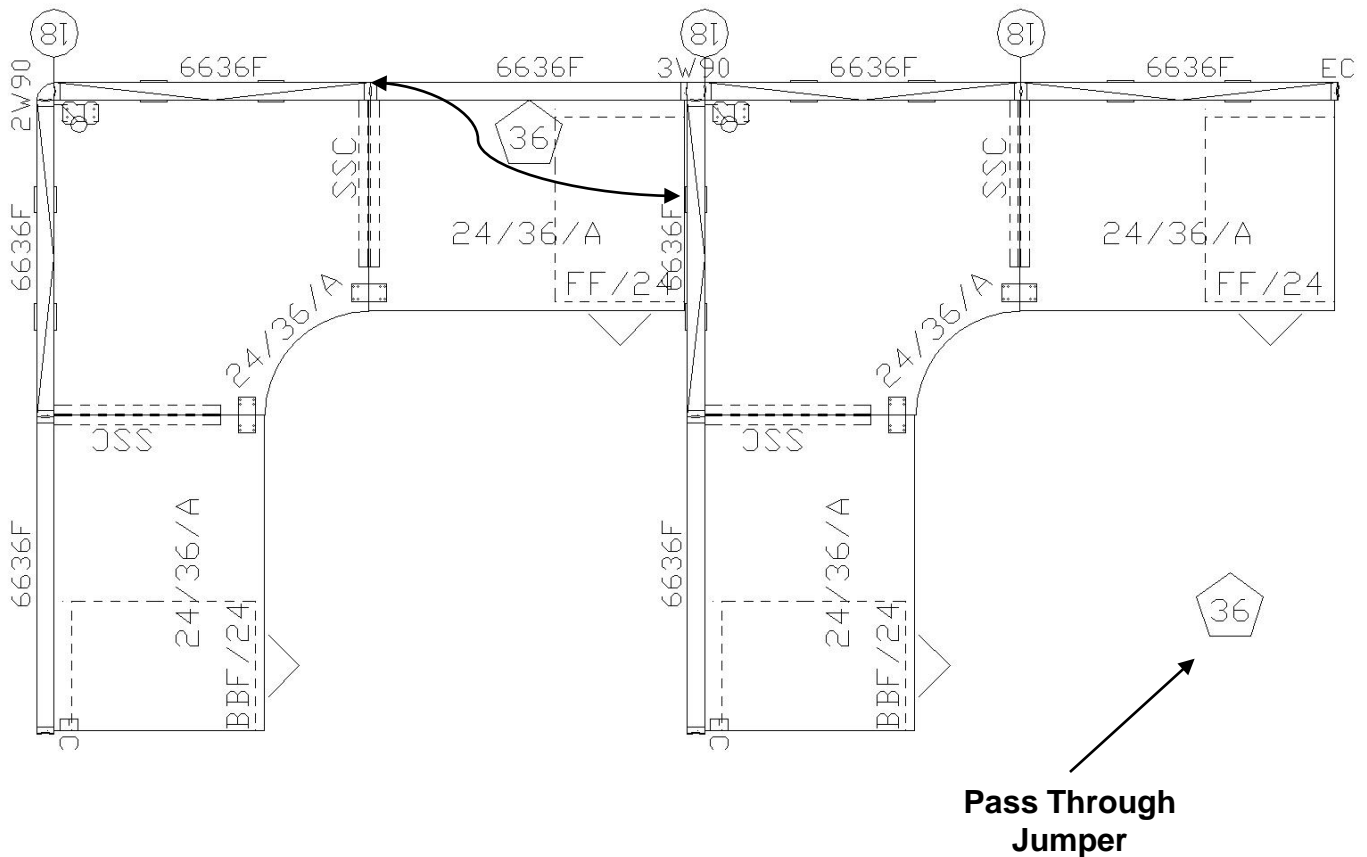
Extended Panel to Panel Jumpers: These are used when connecting electrical from one panel to another panel when spanning a gap created by a 3-way or 4-way situation. They are slightly longer than panel to panel jumpers to accommodate for this scenario.

Below is a rough idea of where one extended panel to panel jumper would connect two powered panels.



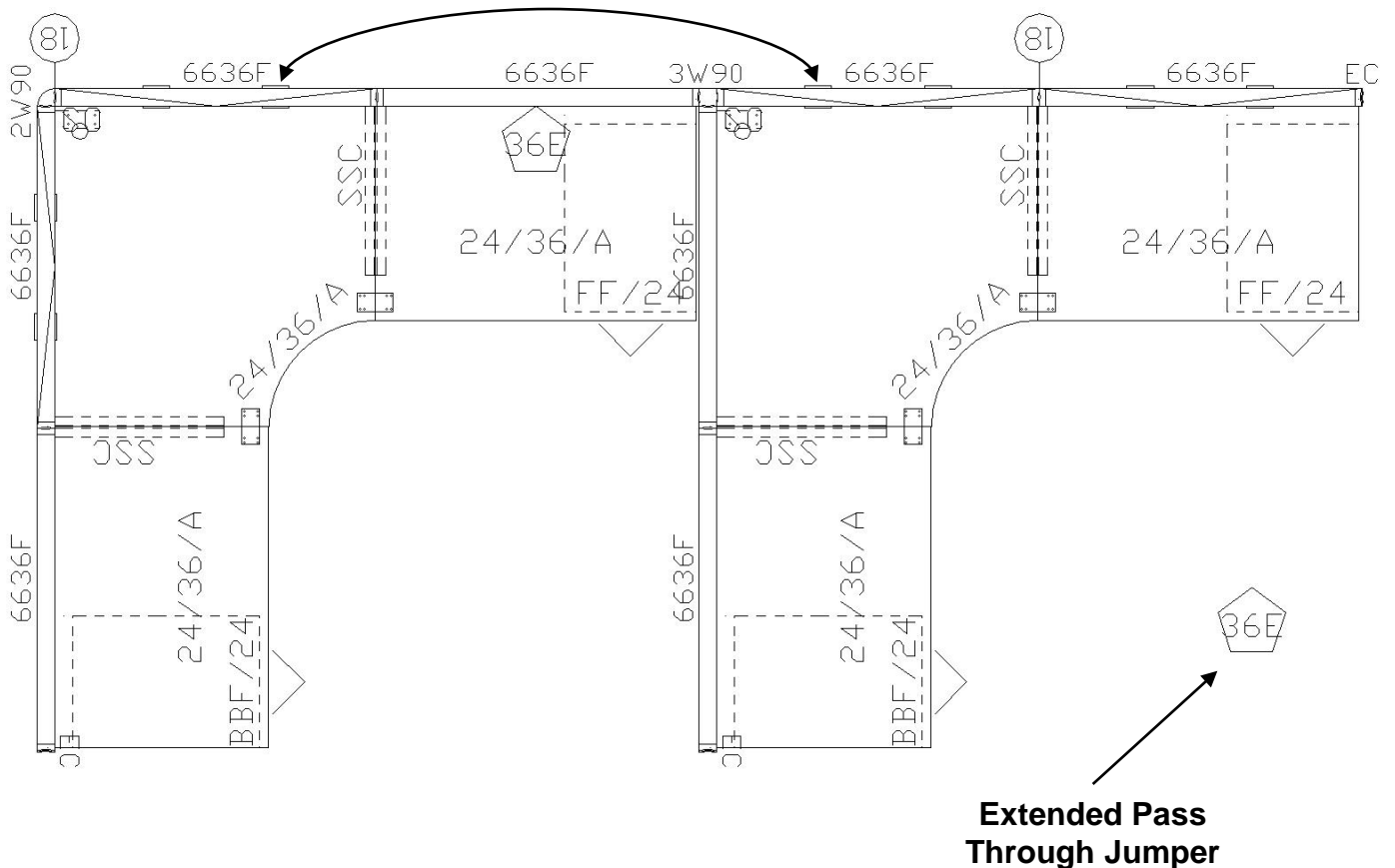
Pass Through Jumpers: These are used when connecting electrical from one panel to another panel while “passing through” a non-powered panel. This will often allow you to cut down on the quantity of powered panels, which will save some money.

Below is a rough idea of where one pass through jumper would connect two powered panels.

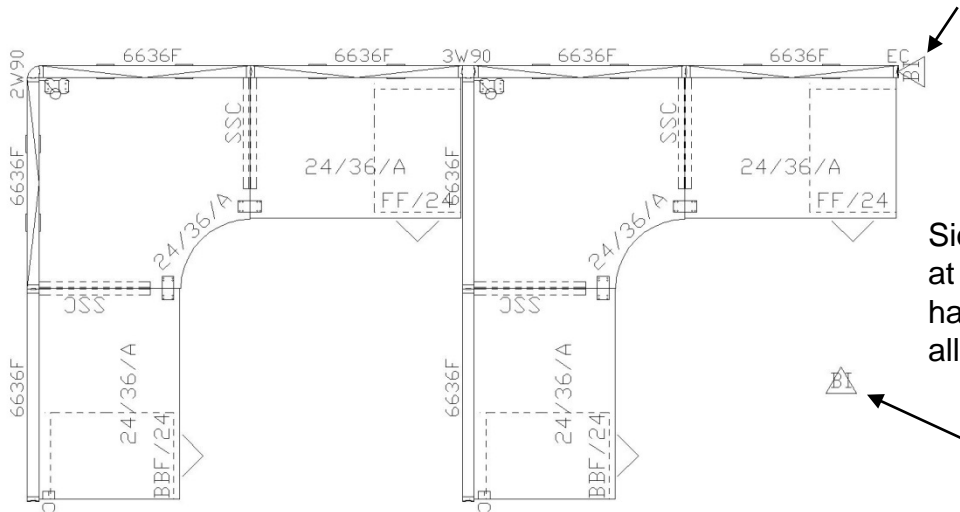


Extended Pass Through Jumpers: These are used when connecting electrical from one panel to another panel while “passing through” a non-powered panel, as well as spanning the gap created by a 3-way or 4-way location.

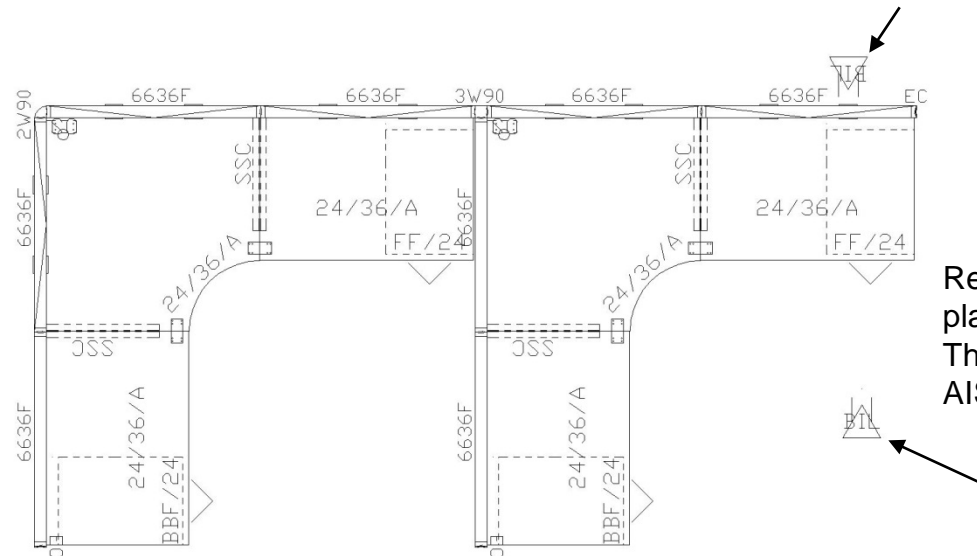
Below is a rough idea of where one pass through jumper would connect two powered panels.



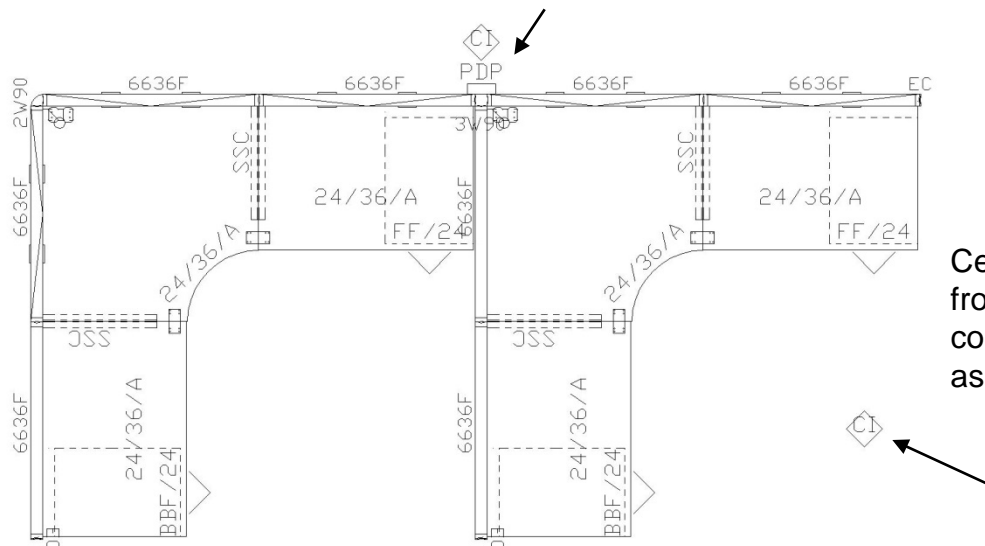
In-Feeds: Divi utilizes three basic types of in-feeds for electrical (below)



Side mounted in-feeds enter the panels at the end at base height. Divi panels have the ability to remove the shroud to allow for the in-feed to connect.

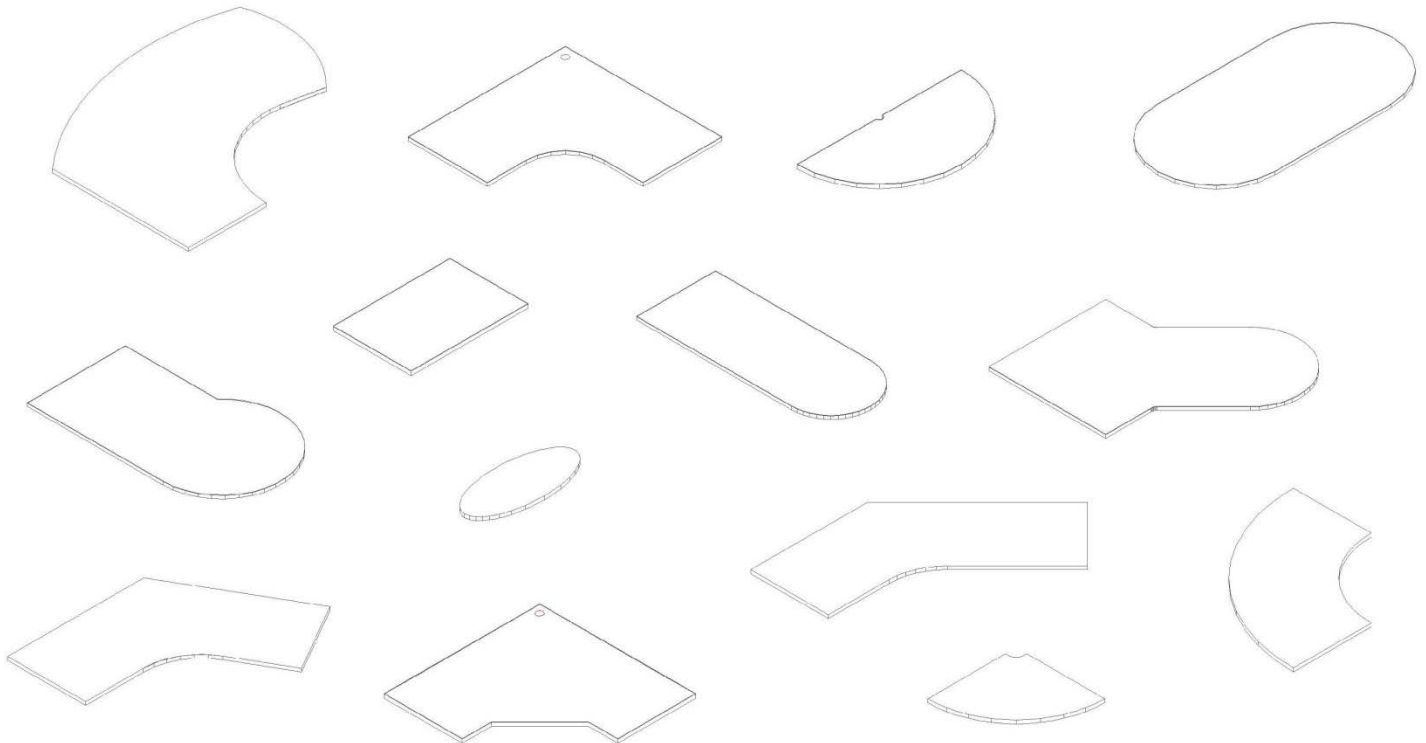
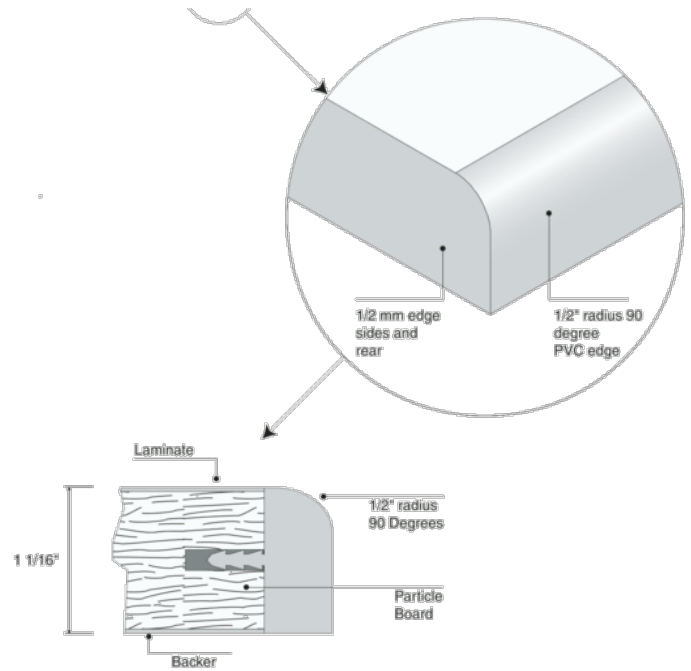
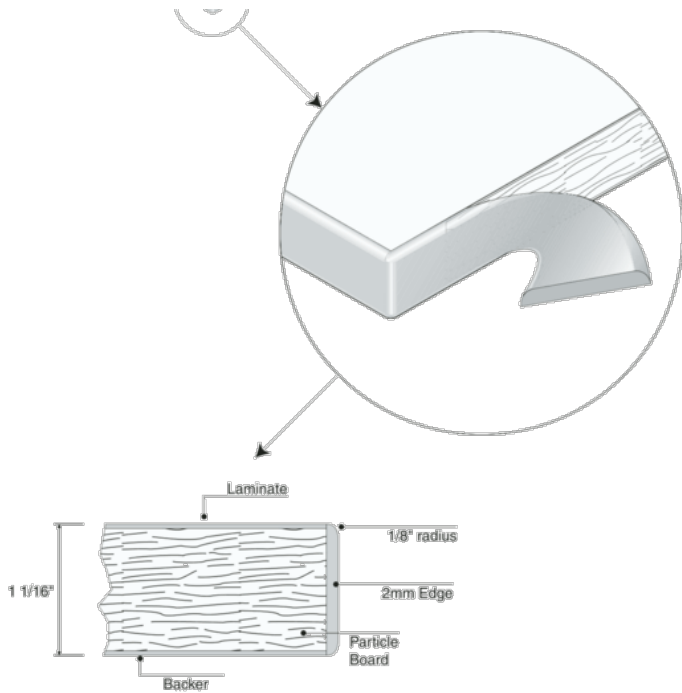


Receptacle mounted in-feeds take the place of a duplex outlet on a panel. These can be used with any of the AIS product lines.

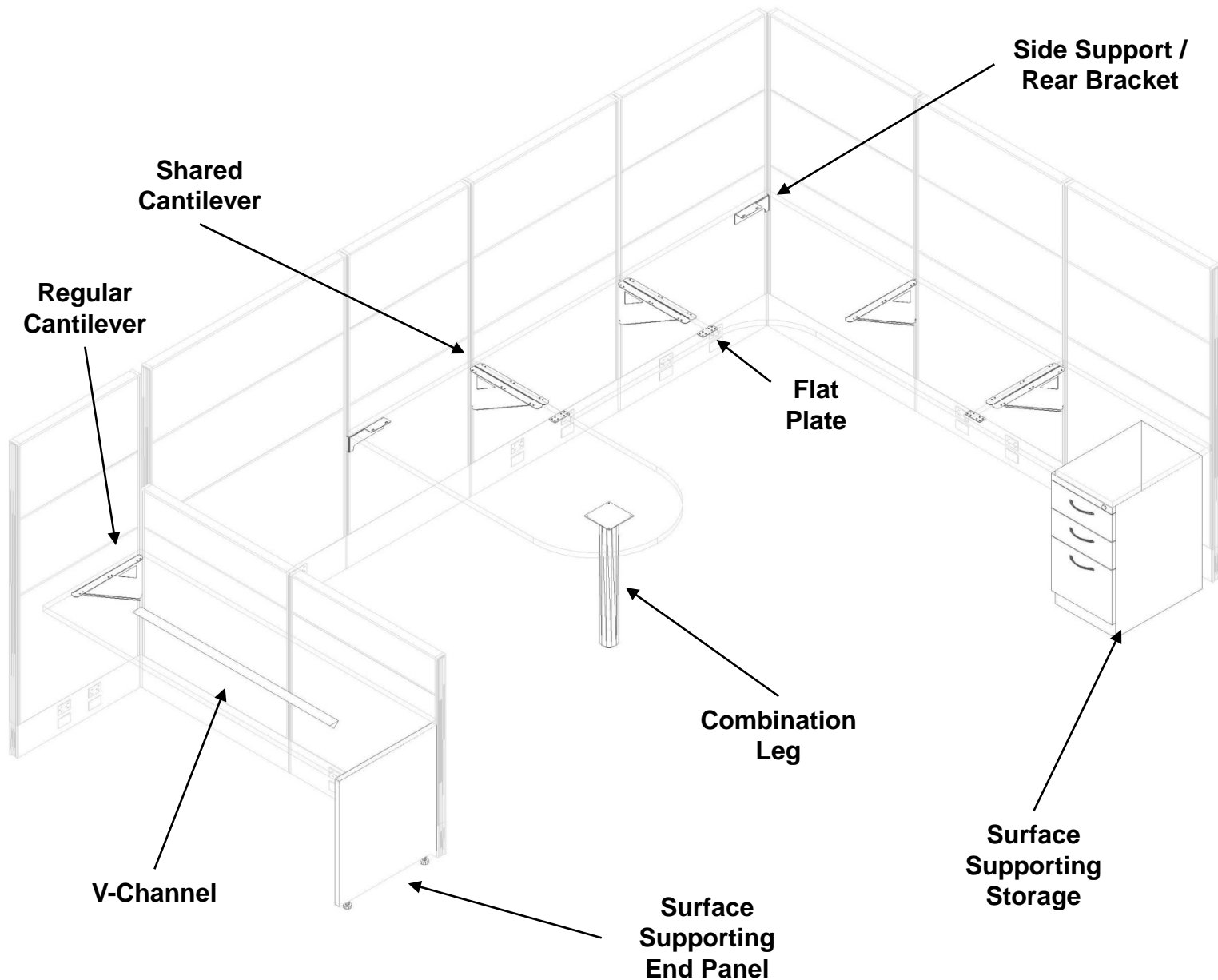


Ceiling in-feeds are brought down from the ceiling by a power pole and connect into the panels the same way as the side mounted in-feeds.

Work surfaces are available in a huge variety of sizes and shapes. The easiest way to see the selection of surfaces is to flip through the catalog. Most every surfaces is available in two different PVC edge details, 2 Millimeter and Waterfall.

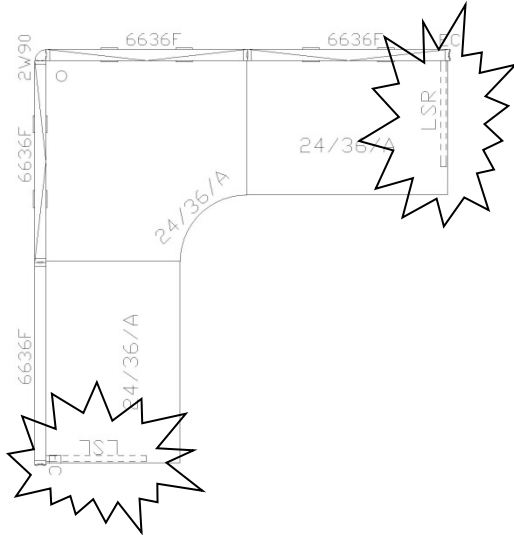


Surface Supports have three basic categories panel, surface and floor. The category is based on how the surface gets it's support, from the panels, other surfaces or the floor.

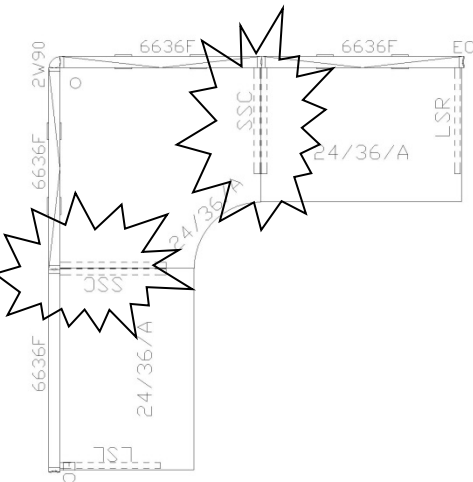
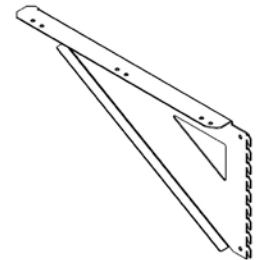


- Work Surfaces may not span more than 60" without additional supports.
- One support is required at the end of each work surface (may be a shared support)
- Always use the longest support available for the work surface depth selected

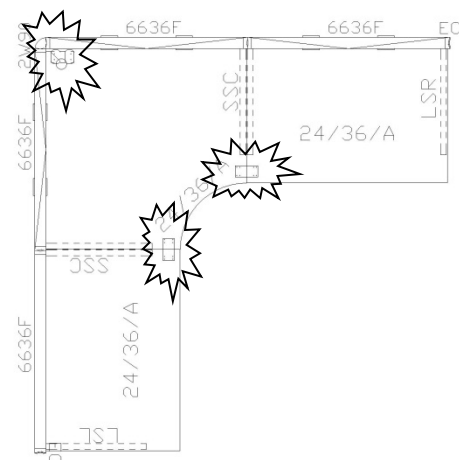
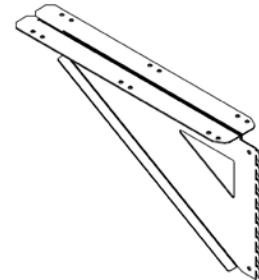
The below four support items are by far the most common used in the specification of Divi stations. Of course there are some other solutions detailed in the catalog, but these are the “core” elements.



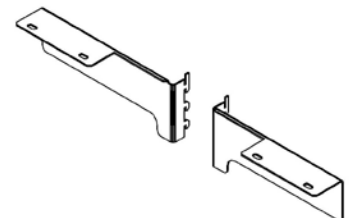
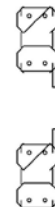
Regular cantilevers support one surface at one end.



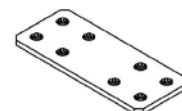
Shared cantilevers support two surfaces where they meet.



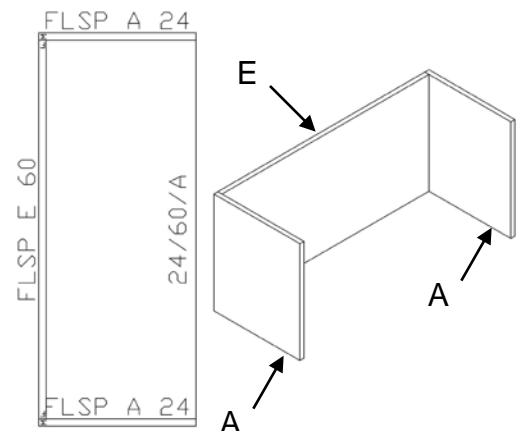
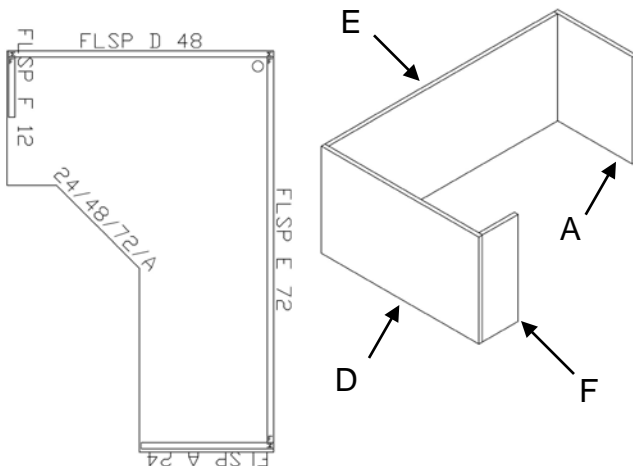
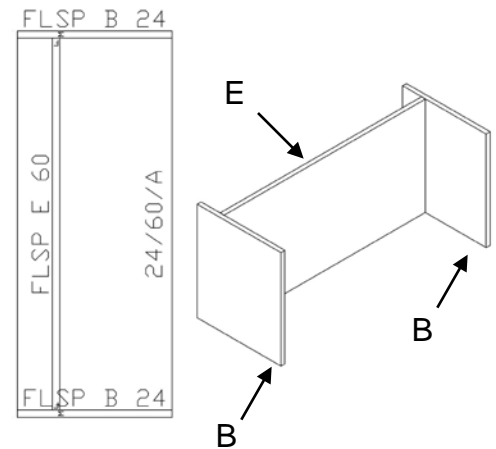
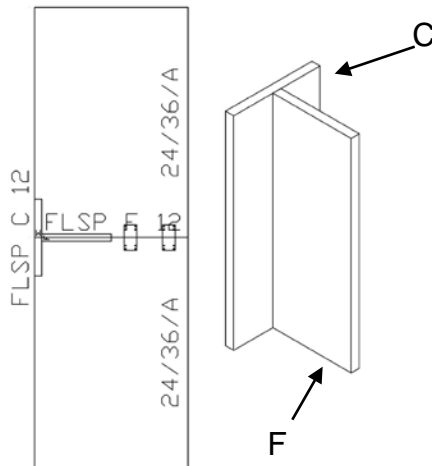
Side support / rear brackets support the rear corners of surfaces. They can also be used to add stability behind storage items.



Flat Plates add stability by joining two surfaces together towards the user side.

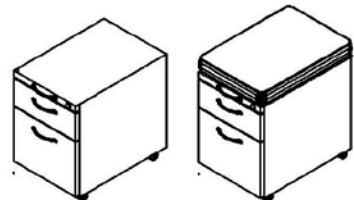
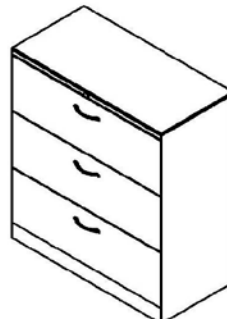
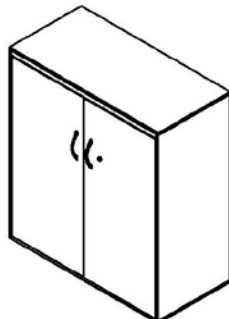
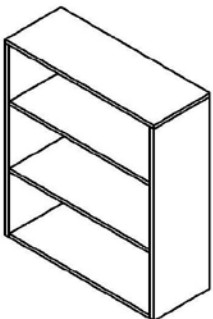
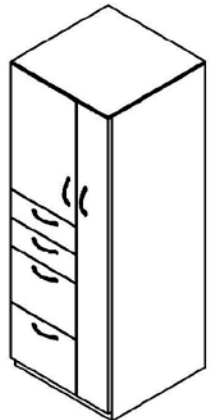
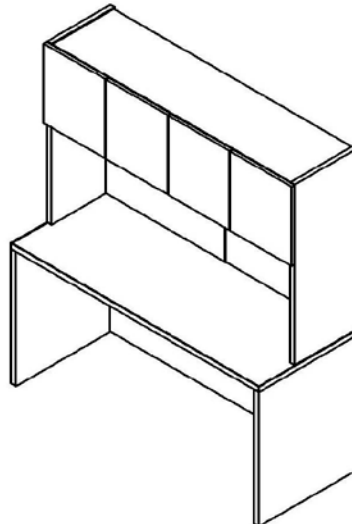
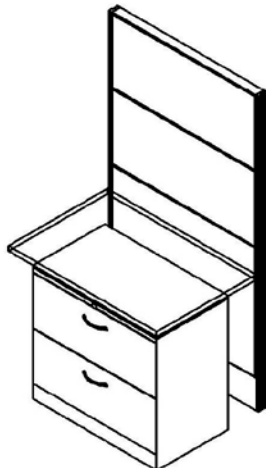
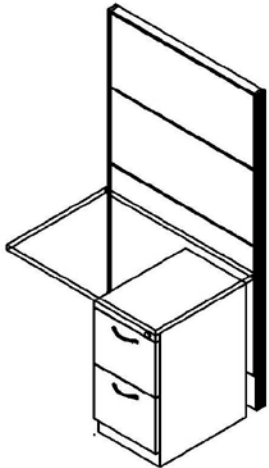
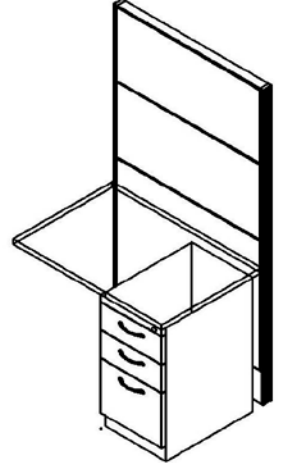
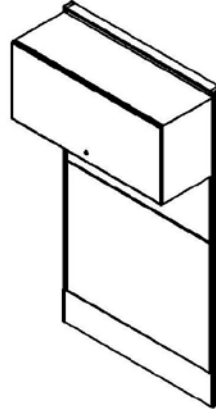
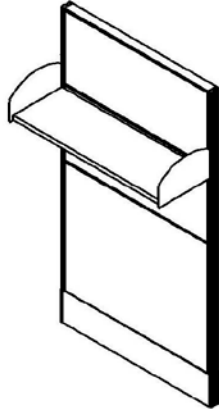
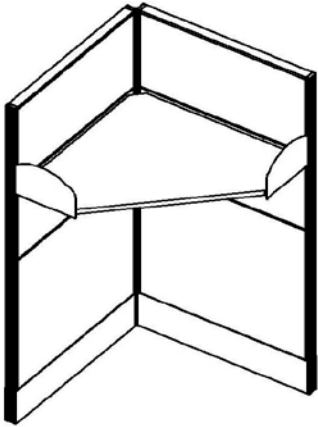


In addition to the panel hung supports and combination legs, AIS offers table bases and full laminate support panels. The full laminate support panels are available in 6" increments from 12" through 96", which allows virtually any freestanding configuration necessary. Below are some examples of the most common configurations.



- A. Male 1 End Flush
- B. Male 1 End Recessed
- C. Male Centered
- D. Male 2 Ends Flush
- E. Female Both Ends
- F. Female 1 End

AIS offers an extensive selection of storage items. Looking through the catalog and symbols is the best way to determine what will work best for your customer. Note: Storage items can be surface supporting, provided they fit under the surface. The most common surface supporting storage items are pedestals and 2 high lateral files.



The End

Please don't forget to review the catalog, brochures, and the website. AIS has over 140 prepared e-brochures with drawing files available on the website for download at your convenience.

Good luck!

