

# PRODUCT SPECIFICATIONS

## Unite® Panel System

December 2022

### TECHNICAL SPECIFICATIONS

#### Panels

Unite panels are offered in monolithic and segmented styles. All panels ship knockdown with panel frame, tiles, base components, top caps, adjustable glides, and panel-to-panel connection hardware. Panels may be specified without top caps to allow for attachment of spanning top caps or divider screens. All Unite panels meet the flammability requirements as defined in the ANSI/UL 1286 safety standard for Office Furnishings. Class A rated standard finishes are available.

Preconfigured panels are  $3\frac{1}{2}$ " thick to facilitate integration with KI Genius walls, and are available in the following dimensions:

- Panel Widths: 24", 30", 36", 42", 48", 54", 60", 72" (72" features split tiles).
- Panel Heights: 32", 40", 48", 56", 64".

Three base styles are available:

- Standard base raceway
- Elevated base
- Tile-to-floor one side/standard base raceway other side

Insert tiles are interchangeable among standard, elevated, and the tile-to-floor one side/standard base raceway other side panels. Tile height of the tile-to-floor tile is unique, and can only be interchanged with a similar sized tile-to-floor tile. All tiles are hand-placed, requiring no tools for attachment to frames. All base styles support reconfiguration.

Standard base raceway panel frames allow distribution of power and data at the base of the panel, on both sides. Tile-to-floor one side/standard base raceway panel frames feature a base raceway on the user side only. Above worksurface beltline power is available on all base styles.

#### Frame Construction

Frames are welded, and consist of the following:

- Top & bottom horizontal rail – formed of 16-gauge galvanized steel by  $1\frac{7}{8}$ " tubing.
- Vertical Post – roll-formed 16-gauge steel with powder-coat finish (black), measuring  $1\frac{3}{4}$ " x  $2\frac{1}{16}$ ", featuring slots at 1" increments to allow for tile and component hanging.
- Top cap mounting clip – formed of 20-gauge spring steel by  $1\frac{1}{4}$ " x  $1\frac{7}{8}$ " x 2" with channel to route data cables. Fastened with #12 x  $\frac{3}{4}$ " screw to all top horizontal rails.
- Glide housing – Molded plastic rated HB minimum. Overall dimensions are  $1\frac{1}{8}$ " x 24" x  $1\frac{1}{2}$ " height. Glides provide a 3" range of adjustment.
- Glide – 1" diameter plastic.
- Glide stem –  $\frac{3}{8}$ -16 thread, 3.5" long.
- Wireway mounting bracket – used on bottom and beltway height raceway in powered assemblies. Formed of 16-gauge steel. Overall dimensions are  $1\frac{3}{8}$ " x  $1\frac{13}{16}$ " x  $2\frac{1}{2}$ " with mounting holes for attaching 10-wire rigid wireways.

#### Stacking Sections

Stacking sections are constructed in one of two styles:

- Three-sided steel-construction stacking sections (steel frame) utilize exterior-mounted tiles of either fabric, markerboard, or slat wall. Steel frame stacking sections are attached with  $\frac{1}{4}$ " x 1" x  $7\frac{1}{2}$ " steel post "forks."
- Four-sided stacking sections are constructed of an extruded aluminum frame and contain either glass, steel or perforated steel, inserts. Frames measure  $1\frac{11}{32}$ " x  $3\frac{9}{32}$ ", consistent with panel size. Frames capture a single  $\frac{3}{8}$ " tempered glass panel or perforated steel insert, and are attached with  $\frac{1}{4}$ " x 1" x  $7\frac{1}{2}$ " steel posts with "forks."



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### Light Shield

90° – Formed of a  $\frac{1}{16}$ " thick extruded black plastic rated HB minimum. Angle is 90° for 90° panel intersections. Lengths range for 48", 64" and 80". Other lengths must be field cut from the three listed. Plastic light shields snap to connector blocks at 90° intersection and serve only to block light. Dimensions:  $\frac{9}{16}$ " x  $\frac{9}{16}$ "

120° – Formed of 18-gauge, pre-painted black steel. Length ranges from 8" to 80" x 8" increments. Angle is 60° for 120° panel intersections. Steel light shields hang on connector block bolts at 120° intersections. 120° light blocks block light and serve as a spacer for proper floor planning. Dimensions:  $2\frac{1}{16}$ " x  $2\frac{1}{16}$ ".

### Base Raceway Hinge Clip

Base raceway hinge clip is molded plastic, rated HB minimum  
Dimensions:  $1\frac{13}{16}$ " x  $2\frac{1}{8}$ " x  $3\frac{1}{4}$ ".

### Connector Block

90° – Formed by an extruded aluminum square block  $\frac{1}{8}$ " minimum wall thickness includes one threaded steel insert on each face. Block contains two "U" shaped, 18-gauge galvanized steel spacer plates fastened to the block with one  $\frac{1}{4}$ -20 bolt.  
Dimensions:  $2\frac{1}{2}$ " x  $3\frac{3}{8}$ " wide

120° – Formed of extruded aluminum triangular block  $\frac{1}{8}$ " minimum wall thickness. Includes three threaded inserts and no spacer plates.  
Dimensions:  $2\frac{1}{2}$ " x  $2\frac{15}{16}$ " wide

### Tile/Inserts

#### Monolithic

Preconfigured monolithic panels feature either fabric or steel tiles.

#### Segmented

Preconfigured segmented panels are available in a variety of substrates and surface finish options. Segmented panels universally feature a 32" segmentation height, with specified bottom and upper, and front and back tiles. Glass, perforated steel or solid steel on preconfigured segmented panels are only available as stacking sections on the upper locations of the panel frame. Preconfigured substrates vary by configuration and may include:

- Fabric – bottom and upper tile
- Powder-coated Solid Steel – bottom and upper tile
- Steel Laminate Markerboard – upper tile
- Single Pane Tempered Glass ( $\frac{1}{4}$ " thick) – stacking section
  - clear or satin etch one side
- Laminated Safety Glass ( $\frac{1}{4}$ " thick) – stacking section
  - white interlayer (.030" thick) between two  $\frac{1}{8}$ " thick clear panels
- Powder-coated Perforated Steel – stacking section
- High-Pressure Laminate – bottom and upper tile
- Slat Wall – upper tile (upper slat wall tiles feature extruded slat wall on the lowest 8" of the tile, with fabric covering any area above the extrusion)

### Fabric Tiles

Fabric tiles feature one of two cores:

- Wood Fiberboard -  $\frac{1}{2}$ " thick wood fiberboard, available in width dimensions of 24" to 60", when height dimension is under 48" and height dimensions of 8" to 64" when width is under 48".
  - Tile sizes larger than 48" wide by 48" tall are produced in  $\frac{1}{2}$ " thick fiberglass.
  - Tiles requiring electrical cutout are produced in  $\frac{1}{2}$ " thick fiberglass.
- Fiberglass –  $\frac{1}{2}$ " thick molded fiberglass board available for tile sizes larger than 48" wide by 48" tall and tiles with electrical cutouts.

Fabric tiles feature 2" stiffener rails of  $\frac{1}{16}$ " formed steel. Rails are secured to the core with adhesive, and are located on left and right vertical edge of tile. Similar rails are adhered horizontally as required for additional rigidity. Fabric is secured to tile edges and back of tile with adhesive. Panels with fabric, fiberglass core and raceway have a .50 NRC rating. Panels with fabric, fiberglass core and a lifted base have a .55 NRC rating. Both core options feature a class-A flame rated face coating. Fabric tiles are fully tackable and available in monolithic, segmented, and stacking sections.

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### Solid Steel Tiles/Inserts

Steel tiles are constructed of 22-gauge formed steel with two rubber dampener pads adhered to the back of the tile to dampen sound. Two  $\frac{1}{16}$ " x  $\frac{1}{4}$ " x 1" rare earth magnets are adhered with double-sided tape to the back of the tile to aid in assembly without tools. Magnets are nickel coated Neodymium (NdFeB), Grade N52 with a 4.45 lb pull force each.

### Steel Markerboard Tiles

Steel markerboard tiles are constructed of 22-gauge formed steel with honeycomb corrugated board adhered to the back of the tile to dampen sounds. Two  $\frac{1}{16}$ " x  $\frac{1}{4}$ " x 1" rare earth magnets are adhered with double-sided to the back of the tile to aid in assembly without tools. Magnets are nickel coated Neodymium (NdFeB), Grade N52 with a 4.45 lb pull force each. A magnetic tray, markers and eraser can be specified separately. Steel markerboards are available as segmented tiles and stacking sections.

### Slat Wall Stacking Section Tiles

Slat wall stacking section tiles are constructed of powder-coated extruded aluminum on the lower 8" portion, which functions as a tool rail, with fabric tiles on the remaining upper portion of the segment. Tile includes integral mounting hardware. Slat walls are available in segmented tiles and stacking sections.

### Glass Stacking Section Inserts

Glass inserts are captured in an aluminum extruded frame. Glass is  $\frac{1}{4}$ " thick tempered, and is available clear or satin etch. Satin etch is non-transparent and is on one side of the glass while the other side is shiny. Glass stacking sections are available on the upper location of a panel.

### Solid Steel Stacking Section Inserts

Solid steel inserts are constructed of 18-gauge, powder-coat painted steel. Solid steel stacking sections are available on the upper location of a panel.

### Perforated Steel Stacking Section Inserts

Perforated steel inserts are constructed of 18-gauge, powder-coat painted steel with  $\frac{3}{32}$ " diameter holes on  $\frac{1}{4}$ " staggered centers (NO. RS041). Perforated steel stacking sections are available on the upper location of a panel.

### Acoustic Septum Kits – UNRC.size

Acoustic septa are rigid 2" thick composite fiberglass sheets designed to be inserted into standard Unite panel frames. When installed, the septum increases the NRC of the Unite raceway fabric panel from .50 NRC to .70 NRC per ASTM C423-09a. Septa fit inside and fill the interior of the Unite metal frame without the use of tools. When 10-wire rigid wireways are installed at beltway height, or when Unite glass dividers are installed, a field cut to the septum will be needed to clear the hardware.

- Acoustic septa are 2" thick and are available in seven widths and five heights designed to fit into all standard Unite frame sizes.
- Acoustic septa are constructed of three cured (ie. molded) fiberglass layers that are bonded together. The two outer layers are 3 lb (pcf) x  $\frac{3}{4}$ " thick fiberglass. The center core is 12 lb (pcf) x  $\frac{1}{2}$ " fiberglass.
- The fibrous glass wool (fiberglass) is manufactured using a minimum of 30% post-consumer recovered materials and a minimum of 5% post-industrial (pre-consumer) recovered materials. Fiberglass bats are subsequently cured using heat to compress the fiberglass into desired densities. The ingredients of the fiberglass are listed:
  - Fibrous glass
  - Urea extended phenol-formaldehyde resin
  - Formaldehyde
  - Non-woven facings

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### Panel Trim

#### Base Raceway Trim

Base raceway trim consists of 22-gauge roll-form steel with a powder-coat finish. Base raceway trim is hinged to an injection-molded clip and snap onto brackets attached to the bottom horizontal rail when closed. All base raceways accept rigid wireways and data cables. Base raceways are specified with or without  $2\frac{1}{16}" \times 7\frac{5}{8}"$  knockouts, which are easily removed to accommodate electrical receptacles and/or data jacks. No tools are required for installation. 24" panels feature one knockout per side; all other sizes feature two. Dimensions:  $5\frac{5}{16}"$  high by width of panel.

#### Panel-to-Panel Connectors

Panel-to-panel connectors are universal. Full welded panel frames attach in-line using  $\frac{3}{8}"$ -16 hex head bolts with washers and star lock nuts. Frames attach at intersections using aluminum extruded connection blocks. Intersections can be reconfigured without disturbing the existing workstation. Components for each intersection condition, including change of height conditions, are available in kit form. Each kit includes all hardware and associated trim to complete the intersection condition.  $\frac{9}{16}"$  socket drivers are required to complete all panel connections.

Intersection kits include all necessary light blocks. Light blocks for 90° intersections are black plastic and serve only to block light. Light blocks for 120° intersections are pre-painted black steel that block light and serve as a spacer for proper floor planning.

#### Split Tile Light Shield

"C" shaped split tile light shield is formed of  $\frac{1}{16}"$  black pre-painted steel. Dimensions:  $1\frac{1}{4}" \times 3\frac{7}{16}"$  by height of panel.

#### Top Cap

All pre-configured Unite panel frames include a top cap of appropriate size. Top caps are formed of  $\frac{1}{16}"$  thick extruded aluminum, with powder-coat finish. Top caps used with top power infeed feature a cutout for the infeed. Installation of top cap is a snap fit and requires no tools. Top cap snaps to spring steel clips which are fastened to the top of all panel frames. Dimensions:  $\frac{3}{8}" \times 3\frac{1}{2}"$  by width of panel.

#### End-of-Run Trim

All exposed ends of a panel run are covered with an end-of-run trim, formed from 18-gauge steel with powder-coat finish. Installation of end of run trim is a snap fit and requires no tools. Panel end trim lengths correspond to panel heights.

Intersection caps are formed of machined aluminum, cast aluminum, or cast zinc. Dimensions:  $\frac{3}{8}" \times 3\frac{1}{2}"$  by height of panel.

End-of-run trim clips are formed of  $\frac{1}{16}"$  black spring steel. Dimensions:  $\frac{9}{16}" \times 2" \times 3\frac{5}{16}"$ .

3-way, change-of-height, or "C" shaped trim is formed of  $\frac{1}{16}"$  powder-coated steel. Dimensions:  $3\frac{1}{2}" \times 3\frac{1}{2}"$  by height of tallest panel.

90° dead-end trim features 18-gauge welded steel plate. Dimensions:  $\frac{1}{2}" \times 3\frac{3}{16}"$ .

120° dead-end trim is formed to a 60° angle of  $\frac{1}{16}"$  powder-coated steel. Dimensions:  $3\frac{1}{2}" \times 3\frac{1}{2}"$  by height of panel.

#### Corner Trim and Change-of-Height Trim

All exposed corners of a panel run must be covered with either corner trim or change-of-height trim. Corner condition "L" shaped trim is formed of  $\frac{1}{16}"$  thick powder-coated steel. Installation utilizes a snap fit and requires no tools. Dimensions:  $3\frac{1}{2}" \times 3\frac{1}{2}"$  by height of highest panel.

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### Segmented Trim Channel

"H" shaped segmented trim channel is formed of  $\frac{1}{16}$ " extruded powder-coated extruded aluminum. Channel connects two segmented tiles along the horizontal connection. No tools are required for installation.

Dimensions:  $\frac{11}{16}$ " x  $1\frac{1}{4}$ " by width of panel.

### Bottom Trim Channel

Standard base raceway and elevated base require a bottom trim channel to locate and hold tiles horizontally. Channel is roll-formed of  $\frac{1}{16}$ " steel with a powder-coat finish.

Dimensions: 1" x  $2\frac{1}{4}$ " by width of panel.

Tile-to-floor trim channel is extruded aluminum with a powder-coat finish.

Dimensions:  $\frac{3}{4}$ " x  $1\frac{1}{2}$ " by width of panel.

### Vertical Trim Clips

Stamped spring steel clips allow attachment of vertical trim at the end-of-run and change-of-height trim. Clips attach to the vertical posts with  $\frac{3}{8}$ -16 hex head bolts.

### Intersection Caps

All top cap intersection conditions are joined with separate intersection caps. Caps are injection-molded zinc with a powder-coat finish, and are required for all end-of-run, 2-way, 3-way, and 4-way connections, regardless of intersection angle.

### Elevated Panel Foot Shroud

Foot shroud is formed of 16-gauge formed steel with powder-coat finish, and is used in elevated base conditions only.

Dimensions:  $1\frac{1}{8}$ " x  $3\frac{1}{2}$ " x  $5\frac{7}{16}$ ".

## Attachment Conditions

### Wall Track

Wall track is available to allow for hanging of components onto an existing structural wall in the identical method as if the components were hung on Unite panels. The wall track consists of slotted 16-gauge steel with powder-coat finish in panel trim colors.

### Adjustable Wall Mount

Adjustable wall mounts consist of a formed steel channel and  $\frac{7}{8}$ " thick cork/rubber washers enclosed in a steel "U" channel to allow panels to be attached to existing building walls. Each unit features an adjustable depth of 1" to  $1\frac{11}{16}$ " in  $\frac{1}{16}$ " increments (steel washer shims). Method of attachment to the existing building is dependent upon the existing wall construction.

### Universal Connector, Unite to Genius Wall

The universal Unite to Genius wall connector enables a Unite panel connection at Genius wall corners, 3-way and end conditions. Unite panels attach to Genius trim with self-drilling screws.

### Perpendicular Connector, Unite to Genius Wall

The perpendicular Unite to Genius wall connector enables a Unite panel connection at a Genius in-line connection seam. The Unite panel attaches perpendicular to the Genius wall at the seam using  $\frac{3}{8}$ " pem studs and nuts. The perpendicular connector is an aluminum extrusion and is fully hidden.

## Gallery Panels

### Laminate Gallery Panel

Unite gallery panels are offered in high-pressure laminate (HPL) and thermally-fused laminate (TFL) surface options. HPL has a vertical grain pattern and TFL has a horizontal grain.

Laminate surfaces are applied to both sides of the  $1\frac{1}{8}$ " thick particle board core for a balanced construction. Gallery panels ship partially assembled with glides pre-installed at both bottom ends. The two-piece glide model includes steel ganger cleat sets. All four edges of the gallery panel receive  $1\frac{1}{8}$ " wide by 2.0 mm thick polypropylene edge banding.

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HPL and TFL gallery panels are part of the Unite Panel System, which is a UL Listed Office Furnishing evaluated to ANSI/UL 1286. When tested to UL 723, the gallery panels have a flame-spread index of 200 or less and smoke-developed index of 450 or less which equates to Class C, per the International Building Code® for Interior wall finishes.

Gallery panels support a standard Unite panel run, and are installed at either the end of a panel run, or perpendicular along a run. Four gallery panel styles are offered.

### End-of-Run Dual-Sided Gallery Panel

A single gallery panel that attaches to a Unite panel end-of-run and extends equally on both sides of the Unite panel run.

High-Pressure Laminate

- Heights: 32", 40", 48", 56" & 64"
- Widths (includes 3 1/2" overlap): 52"

Thermally-Fused Laminate

- Heights: 29 1/4" & 48"
- Widths (includes 3 1/2" overlap): 52", 64" & 76"

### End-of-Run Single-Sided Gallery Panel

A single gallery panel that attaches to the end of a run and extends to one side of the Unite panel run. Right- and left-hand models are offered.

High-Pressure Laminate

- Heights: 32", 40", 48", 56" & 64"
- Widths (includes 3 1/2" overlap): 27 3/4", 33 3/4", 39 3/4", 45 3/4", 51 3/4" & 57 3/4"

Thermally-Fused Laminate

- Heights: 29 1/4" & 48"
- Widths (includes 3 1/2" overlap): 51 3/4", 63 3/4" & 75 3/4"

### End-of-Run Dual-Sided Two-Piece Gallery Panels

Two separate gallery panels that butt together at the end of a Unite panel run. Each panel extends equally on both sides of the panel run.

High-Pressure Laminate

- Heights: 32", 40", 48", 56" & 64"
- Widths (includes 3 1/2" overlap): 60 1/2", 72 1/2", 84 1/2", 96 1/2" & 108 1/2"

Thermally-Fused Laminate

- Heights: 29 1/4" & 48"
- Widths (includes 3 1/2" overlap): 96 1/2", 120 1/2" & 144 1/2"

### Divider Panel

A single Gallery panel that attaches perpendicular along a Unite panel run at any intersection.

High-Pressure Laminate

- Heights: 32", 40", 48", 56" & 64"
- Widths (includes 1" for attachment): 25 1/4", 31 1/4", 36 1/4", 42 1/4", 49 1/4" & 55 1/4"

Thermally-Fused Laminate

- Heights: 29 1/4" & 48"
- Widths (includes 1" for attachment): 49 1/4", 61 1/4" & 73 1/4"

### Attachment Plate

Required for all end-of-run gallery panels. Attaches the gallery panel to the vertical post of a Unite panel frame. Plate is 11-gauge (.120" thick) steel with a powder-coat finish. Plate size is 3 1/2" wide and heights match all end-of-run gallery panel heights. Plates fasten to the gallery panel with #12 flat head screws, and to the Unite panel frame vertical post with 3/8-16 x 1" G5 short neck carriage bolts with steel washers and 3/8-16 KEPS nuts.

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### Gallery Panels Intersections & Trim

#### Divider Intersection Post

Required for installation of divider gallery panels. "H" shaped is formed of extruded aluminum, with a powder-coat finish. The post dimension is 1.4" x 3.36" with 1.20" wide channels to accept the divider gallery panel. Divider intersection post contains 3.0" x .90" milled passages at beltway and base heights to allow 15 1/2" 10-wire jumpers to pass from panel to panel. Attaches using 3/8-16 x 2 3/4" hex head bolts, 1 1/4" O.D. steel washers and 3/8-16 KEPS locknuts. The divider intersection post connects two adjacent Unite panel frames and adds 1.4" space between the two frames.

- Heights: 32", 40", 48", 56", 64", 72" & 80"

#### In-Line Divider Intersection Cap

Used at a divider gallery panel intersection. The cap is milled aluminum with a powder-coat finish. Divider intersection cap contains tabs which insert into the aluminum top caps to join in-line, adjacent Unite panels.

#### End-of-Run Change-of-Height Trim

Required at a height change between the end-of-run gallery panel and the Unite panel run end. Covers the exposed side of Unite panel. Formed from 18-gauge steel with powder-coat finish. Trim includes a milled, aluminum cap which is powder-coat painted, and includes spring steel clips which are installed at the end of a panel frame. Clips are common to what is used with standard Unite trim and attach to the vertical post with 3/8-16 hex head bolts and KEPs nuts. Trim is a snap-fit to the clips and requires no tools.

- Heights: 8", 16", 24", 32" & 40"
- Heights for 29 1/4" High Gallery Panels: 3", 11", 19", 27", 35", 43" & 51"

#### Dead-End Change-of-Height Trim

Required at a change-of-height along the Unite panel run, and where a divider gallery panel is included at the same intersection. Formed from 18-gauge steel with powder-coat finish. Trim includes a milled, aluminum cap which is powder-coat painted, and includes spring steel clips which are installed at the end of a panel frame. Clips are common to what is used with standard Unite trim and attach to the vertical post with 3/8-16 hex head bolts and KEPs nuts. Trim is a snap-fit to the clips and requires no tools.

- Heights: 8", 16", 24", 32", 40" & 48"

#### In-Line Change-of-Height Trim

Required when a divider gallery panel is used along a Unite panel run with a change-of-height between the panel run and the gallery panel. A "U" shape aluminum extrusion with powder-coat finish. The trim snaps into the divider intersection post with no tools required.

- Heights: 8", 16", 24", 32", 40" & 48"
- Heights for 29 1/4" High Gallery Panels: 3", 11", 19", 27", 35", 43" & 51"

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### Electrical

#### Power Options

The US standard electrical system supplied for Unite is an 810 electrical system. 10-wire rigid wireway can be mounted to any panel frame. Power is available at the following heights:

- Base Height Power – found in the 6" base raceway of the panel.
- Beltway (worksurface) Height Power – The powered tiles allow for installation of worksurface height receptacles. Two duplex receptacles can be mounted in a tile (one in a 24" tile). Receptacles are approximately 32" high.

Power is supplied through one of two available means:

#### 6-2-2

- (6) hot wires
- (2) shared oversized neutral wires
- (2) ground wires – 1 isolated ground and 1 building ground

#### 4-4-2

- (4) hot wires
- (4) independent neutral wires
- (2) ground wires – 1 isolated ground and 1 building ground

#### 10-Wire Rigid Wireways

Each powered panel requires the use of 10-wire rigid wireways to pass power to receptacles. Wireways may be mounted at the base of panels or at beltway height. Wireways are specified by panel width. The wireway design allows for snap connection of one panel's rigid wireway to another panel's wireway through the use of 10-wire panel-to-panel jumpers. All panels 24" and wider accept electrical components.

There are four port locations on each end of every rigid wireway 30" and larger. 24" wireways feature two ports on one end only.

Wireways mount by screws to attached brackets on the underside of the lower frame for base power. For beltway power, rigid wireways attach with screws to brackets that are hooked into the vertical posts at each end.

#### 10-Wire Base Power Infeeds

The electrical system permits power 10-wire infeed at the base raceway of the panel. Base infeeds are constructed of a 6' long, 1/2" liquid-tight flexible metal conduit containing ten wires with a receptacle type design allowing for quick installation and removal. Infeeds rotate 180° to allow for left or right configuration.

#### 10-Wire Top Power Infeeds (Data and/or Power)

Power and data may be brought into a Unite panel through the use of a 10-wire top infeed power pole. Top infeed assembly consists of a 7' or 10' extruded aluminum data and/or power pole, top infeed panel trim cap and ceiling trim cap. The interior of the power pole features a septum to separate power and data cable management. Power infeed wiring consists of ten wires in flexible conduit, exposed at the ceiling end to connect to the building's source power. At the opposite end, the infeed conduit contains a modular connector end to snap into the panel's rigid wireway. Infeed cable must be specified separately.

#### 10-Wire Power Pass-Through Jumpers

The electrical system provides a method of passing power from one powered panel through a non-powered panel to the powered 10-wire rigid wireway of the next panel. The pass-through consists of a standard rigid wireway without receptacles using in-line 10-wire panel-to-panel jumpers. Panel-to-panel jumpers are required to connect adjacent wireways.

#### 10-Wire Panel-to-Panel Jumpers

In-line 10-wire panel-to-panel jumpers are 12" in length and connect between panel rigid wireways at in-line panel intersections. Intersection 10-wire panel-to-panel jumpers are 15 1/2" in length and connect between rigid wireways at various panel intersection conditions. Jumpers feature modular connector ends and nylon mesh casing.



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### System Jumpers

Designed for interconnection of Manufactured Wiring Systems (such as Genius Wall) to Office Furnishings (such as Unite). Two lengths are available for in-line and 90° connections. Jumpers are constructed with steel corrugated sheathing and steel shielded connectors. KI products are listed below, along with OEI and UNICOR name correlations.

### 10-Wire Vertical Jumpers

Vertical jumpers are 30" in length and jump power from a rigid wireway at the base raceway, up to the rigid wireway at the beltway height. Jumpers feature modular connector ends and steel corrugated casing.

### 10-Wire Duplex Receptacles

The duplex receptacles for the modular electrical system feature injection molded components which snap fit into the 10-wire rigid wireways of the panels. The rated capacity of the duplex receptacles is 15 or 20 amps in either 4-4-2 or 6-2-2 circuit configurations. Beltway receptacles come with bezel plate.

### Bezels/Filler Plates

Bezels and filler plates are molded in nylon molded in a variety of colors.

### Raceway Cable Trough

A formed 22-gauge black steel trough manages cables in raceway. The optional trough installs with a snap fit into raceway clips at each end of a panel without the use of tools.

### Electrical System Test Requirements

The Unite Panel System, including the modular US electrical components, meets applicable UL standards and requirements as identified by Underwriters Laboratories, Inc.

## Unite Freestanding Table

### Tabletops

Tabletops feature balanced construction of 45-pound density particleboard core, with a  $\frac{1}{16}$ " high-pressure laminate face sheet and a  $\frac{1}{16}$ " phenolic backer. Edges are evenly adhered to the worksurface. All worksurfaces are pre-drilled for support legs. Rectangular shapes are available in 24" and 30" depths and 48", 60" and 72" lengths.

### Table Supports

Supports are welded and consist of the following:

- Bottom, vertical and horizontal tubes – 14-gauge measuring  $1\frac{1}{2}$ " x  $\frac{3}{4}$ ".
- Top mounting bracket – formed 14-gauge steel.
- Glide –  $\frac{3}{8}$ "-16 x 1" diameter.
- Leg insert (optional) – 18-gauge perforated steel.

## Worksurfaces and Accessories

### Worksurfaces

Worksurfaces feature balanced construction of 45-pound density particleboard core, with a  $\frac{1}{16}$ " high-pressure laminate face sheet and a  $\frac{1}{16}$ " phenolic backer. Edges are evenly adhered to the worksurface. All worksurfaces are pre-drilled for support brackets and support legs. Worksurface widths of 60" or greater feature integrated steel reinforcement for added strength. Grommet locations are specified.

### Rectangular Worksurfaces

The standard rectangular worksurface are available in widths of 6" increments from 24" - 96", and in depths of 18", 22", 24" and 30". Rectangular conference ends are also available.

### 90° Corner Worksurfaces

90° symmetrical corner worksurfaces are available in 36", 42", and 48" widths, and in 18", 20", and 22" depths.

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### Shaped Worksurfaces

Peninsula, extended corner (shoe), extended corner reduction (shoe), tapered, 120°, and 60° shaped surfaces are available in a variety of widths and depths. Grommet locations are specified.

### Transaction Countertops

Transaction countertops are available from 24" - 84" wide in 6" increments, with a countertop depth of 16". Countertops are also available for 90° corners. Support brackets feature steel locking clips to prevent dislodgment. Optional brackets are available for use on a 32" high panel, appropriate for ADA applications. Transaction countertop add 1 1/4" to finished panel heights. Countertops overhang 2 3/4" on the outside of the cubicle and 9 3/4" on the inside of the cubicle. Countertops accommodate task lighting.

### Underhead Worksurfaces

Surfaces are available to hang underhead U-Series storage units. A 15" deep surface sits flush with underhead unit, with 22", 24", and 30" depths also available.

### Worksurface Grommets

Worksurface grommets are available to fit a 3" hole in most work surfaces. Grommet is aluminum injection-molded with powder-coat finish.

### Worksurface Wire Manager

Wire manager is constructed of black hook-and-loop ribbon, 7 1/2" long by 2" wide. The harness is fastened to the underside of the worksurface with pressure-sensitive adhesive. This wire manager supports cords and communication cables under the worksurface.

### Modesty Panel

Modesty panel is constructed with a frameless 1/4" thick sheet of extruded acrylic in cloud or white color. Panels range from 24" to 72" wide in 6" increments. All panels are 10" high. The panel is fastened to a 14-gauge steel rail with a series of 14-gauge "L" shaped steel clips. The rail and clip feature a powder-coat finish available in colors to match the panel trim. Steel screws fasten the acrylic panel to the rail and underside of the worksurface.

## Worksurface Support

### Worksurface Support Legs

Support legs can provide both worksurface support and panel support in certain configurations. Brackets on the support leg prevent dislodgment from the vertical post of the panel. Worksurface support legs are specified by worksurface depth or width, depending upon configuration. See "Unite Panel System Planning Guide (KI-62226)" for additional planning rules.

### Worksurface End Support Legs

End support legs are available for use at the ends of perpendicular, or peninsula worksurfaces. These legs do not have brackets. See "Unite Panel System Planning Guide (KI-62226)" for additional planning rules.

### Worksurface Support Brackets

Two types of worksurface support brackets are available for Unite:

- Standard cantilever brackets.
- Design brackets.

### Worksurface Vertical Fillers

3" worksurface vertical filler spans the gap when one worksurface drops from the standard 29" down to an adjacent 26" worksurface. Worksurface vertical fillers are available in 24" and 30" widths to match worksurface depths and are attached to worksurfaces with wood screws. Filler is constructed of 15-gauge powder-coated steel.

## TECHNICAL SPECIFICATIONS

### Storage and Accessories

#### U-Series Underhead Storage

Underhead dimensions and specifications match those of overhead units. Underhead may be mounted on any approved panel run (provided one end of the underhead is adjacent to a return). Underhead accommodates standard binders. Storage units include holes in top and bottom for cord drop in conjunction with grommets. Brackets are included for attachment. Legs may be specified separately if desired.

#### Overhead Cabinet Task Lights

Task lights are available which suspend from the shelf and overhead cabinet. Task light mounts on the underside of the shelf and overhead cabinet, and feature a 9' cord. Cords can be concealed by tucking between the reveal along tiles.

#### Countertop Task Lights

Task lights are available which suspend from the underside of the countertop. Task lights are offered in standard panel trim colors. The task lights feature an 8' cord which can be concealed by tucking between the reveal along tiles.

#### Shelf Dividers

Shelf dividers are compatible with Universal and Balance overheads, cabinets, and shelves only. Shelf dividers are powder-coated steel, and may be installed or removed with no tools.

#### Frameless Markerboards

Frameless steel markerboards are constructed of 22-gauge steel with an erasable white coating and a honeycomb backer to dampen sound. Markerboard surfaces are magnetic and include a 16" x 1 1/2" magnetic removable tray with markers and eraser. Markerboards mount in vertical post rail slots of a panel or wall track. Frameless markerboards mount on module only.

#### Framed Markerboards

Framed markerboards are constructed of white powder-coated aluminum frame with a white porcelain erasable surface. Markerboard surfaces are magnetic and include a 16" by 2 1/2" magnetic removable tray with markers and eraser. Markerboards mount in vertical post rail slots of a panel or wall track. Framed markerboards mount on module only.

#### Glass Divider Screens

Glass divider screens are constructed of 3/8" tempered glass mounted in two injection-molded plastic clamps. Glass divider available in clear and satin etch (one side). Three visible edges are polished with two corner radii. Aluminum split top caps trim each side of the glass.

Glass dimensions: 12" above top cap (13" actual) by panel width.

#### Wall Track

Wall track allows for hanging of components onto an existing structural wall in the identical method as if the components were hung on Unite panels. Wall track is constructed of slotted 16-gauge steel with powder-coat finish.

#### Tackboards

Tackboards are constructed of 3/4" wood fiber board covered with fabric. The mounting brackets are steel powder-coated and attached to the core with T-nuts and machine screws. Fabric is attached to the core with staples. Tackboards mount in the vertical post rail slots of a panel or wall track. Tackboards mount on module only.

## TECHNICAL SPECIFICATIONS

### Paper Management Accessories

#### Tool Rail

Tool rails are fabricated of a powder-coated aluminum extrusion. Tool rails are attached to the panel through the use of steel brackets, and support most paper management accessories. Available for standard panel sizes. Tool rails mount in vertical post rail slots of panel or wall track. Tool rails mount on module only.

#### Paper Tray Unit

Legal and letter sized paper trays are constructed of injection molded plastic. Trays are supported by the tool rail.

Dimensions: 2" high by 9½" wide by 14" deep.

Dimensions: 2½" high by 7" wide by 12½" deep.

Dimensions: 9" high by 5" wide by 10½" deep.

#### Diagonal Storage Unit

Diagonal storage units are constructed of injection molded plastic. Three ABS dividers may be used in left or right positions. Units are supported by the tool rail.

Dimensions: 2½" high by 7" wide by 12½" deep.

#### Accessory Tray

Plastic accessory trays include three hooks for mounting. Trays feature compartments to hold pencils, paper clips and miscellaneous items, and are suspended from tool rail or used freestanding on worksurfaces and shelves.

Dimensions: 2" high by 9½" wide by 10" deep.

#### Pencil Cup

Injection molded plastic cups provide for storage of pens, pencils and highlighters. One hook is provided for mounting on tool rail.

Dimensions: 4" high by 4" wide by 3½" deep.