

Technical Specifications

Volition® Desking System



Basic Worksurfaces

Worksurfaces shall define the shape of the workstation and provide support for overhead storage, hanging pedestals, electrical components and privacy screens.

Rectangular Worksurface

Laminated worksurfaces shall be constructed from 1-1/8" medium density fiberboard with a .030 high-pressure laminate surface or veneer and a .028 phenolic backing sheet with a choice of 3 edge styles: 2mm PVC, 2mm PVC with knife edge along front or square edge of wood edge. The 2mm PVC edge shall be available in 25 colors. The knife edge shall only be applied to the front edge of the worksurface and extend 2mm beyond the desk frame. The wood and self edge options shall be made from laminate and veneer respectfully in 12 different patterns.

Rectangular worksurfaces up to 60" wide shall include 2 triangular worksurface grommets and covers located in the back corners of each worksurface. The 66" - 72" wide worksurfaces shall have an optional third triangular worksurface grommet and cover located near the back center of the desk. Grommets shall be molded from polycarbonate and available in 5 colors or translucent. Worksurfaces that are 60", 66" and 72" wide shall have an integrated steel reinforcement to allow adequate support for load bearing. All worksurfaces shall have pre-drilled holes for attachment to the desk frame.

Two leg supports shall support the worksurface and be formed of 16-gauge steel. Overall dimensions shall be 6" x 6" x 27-1/4" with 18-gauge internal reinforcements resistance welded for additional strength. The leg assemblies shall be attached to the underside of the worksurface from above by threaded inserts. A steel leg cover on inside of desk shall be standard and removable without tools. A glide shall be attached to the bottom of the leg for up to 1" of adjustability. Two 3.25 x 2.25 grommets and covers molded from polycarbonate shall be standard on the top of each leg side.

The modesty panel beam shall be formed of 18-gauge steel. Overall dimensions are 3" x 9" x length determined by size of worksurface. The modesty panel beam shall be attached to leg supports and the underside of the worksurface. The modesty panel beam shall provide support for the worksurface and allow electrical and data cable to be run along the width of the desk. Plastic worksurface spacers shall provide a 1/4" standoff distance between the worksurface and modesty panel beam and shall snap into place for easier assembly.

An optional lower modesty panel shall be formed of 18-gauge steel. Overall dimensions are 1-1/4" x 18" x length determined by size of worksurface. The lower modesty panel shall be attached to the leg supports and provide full enclosure of the desk back from floor to the modesty panel beam.

Two non-handed end panels shall support the worksurface and be formed of 18-gauge steel with a 20-gauge steel reinforcement resistance welded for strength. The end panel shall have a honeycomb core for additional strength and noise reduction. Overall dimensions shall be 1-1/4" x 27" x depth determined by worksurface size or configuration. Standard depths shall be 9" for transitional depth (without reinforcement or honeycomb), 17-3/4" for 24" worksurfaces, and 23-3/4" for 30" worksurfaces. The end panel assembly shall be attached to the underside of the worksurface and the leg assembly. Plastic worksurface spacers shall provide a 1/4" standoff distance between the worksurface and end panel and shall snap into place for easier assembly. A glide shall be attached to the bottom of the end panel for up to 1" of adjustability. All steel desk components shall be powder-coated or otherwise finished.

Rectangular Transition

Rectangular transition worksurfaces shall have the same basic construction as the rectangular worksurfaces. Worksurfaces shall have 2 curving arcs along the front edge that transition from a depth of 30" on one end and 24" on the opposite end.

Bow Front Worksurface

Bow front worksurfaces shall have the same basic construction as the rectangular worksurfaces. These worksurfaces shall only be available in 60", 66" and 72" widths without the center grommet, with cover and full end panels.

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Corner Worksurface

Bow front worksurfaces shall have the same basic construction as the rectangular worksurfaces. These worksurfaces shall only be available 24" and 30" depths and in 42" and 48" widths without the center grommet, with cover and full end panels.

Square Shoe Worksurface

Square shoe worksurfaces shall have the same basic construction as the rectangular worksurfaces with an additional leg support, modesty panel beam and optional modesty panel. Depths of 24" and 30" and widths of 48", 60", 66" and 72" shall be standard. Worksurfaces shall have 3 grommets and covers, one per corner, located in back corners of each worksurface as standard. Worksurfaces that have 66" or 72" side shall have an optional center triangular worksurface grommet and cover.

P-Shaped and Piano-Shaped Worksurfaces

P-shaped and piano-shaped worksurfaces shall have the same basic construction as the rectangular worksurfaces with the transitional end panels with an additional round support leg and modesty panel. The round support leg shall be attached toward the rounded front end of the worksurface and be constructed from 4" diameter, 0.066" thickness steel fitted with a glide for up to 1" of adjustability. The modesty panel shall be constructed from 18-gauge steel and extend 9" from the underside of the worksurface. Worksurface shall be available in 24" or 30" depth, 60", 66" and 72" peninsula and 48" width.

D-Shaped Worksurface

D-shaped worksurface shall have the same basic construction as the rectangular worksurfaces with transitional end panels with an additional round support leg and modesty panel. The round support leg shall be attached toward the rounded end of the worksurface and be constructed from 4" diameter, 0.066" thickness steel and fitted with a glide for up to 1" of adjustability. Worksurfaces shall be available in 24", 30" or 36" widths and depths.

Round Add-On Worksurface

Round add-on worksurfaces shall be available with the same edge treatments as the rectangular worksurfaces. They shall be available in 36" diameter with a 24" flat and 42" diameter with a 36" flat. A round support leg shall support the worksurface and be constructed from 4" diameter, 0.066" thickness steel and fitted with a glide for 1" of adjustability. Two steel splice plates and hardware shall be included to attach the round add-on worksurface to a rectangular worksurface.

Half Round Add-On Worksurface

Half round add-on worksurfaces shall be available with the same edge treatments as the rectangular worksurfaces. They shall be available in 48" diameter and 60" diameter. A round support leg shall support the worksurface and be constructed from 4" diameter, 0.066" thickness steel and fitted with a glide for 1" of adjustability. Two steel splice plates and hardware shall be included to attach the round add-on worksurface to a rectangular worksurface.

Quarter Round Add-On Worksurface

Quarter round add-on worksurfaces shall be available with the same edge treatments as the rectangular worksurfaces. They shall be available in 48" diameter with a 24" flat and 60" diameter with a 30" flat. A round support leg shall support the worksurface and be constructed from 4" diameter, 0.066" thickness steel and fitted with a glide for 1" of adjustability. Two steel splice plates and hardware shall be included to attach the round add-on worksurface to a rectangular worksurface.

Transaction Worksurface

Round add-on worksurfaces shall be available with the same edge treatments as the rectangular worksurfaces. Worksurfaces shall attach via 2 support stanchions to rectangular worksurfaces and 3 support stanchions to corner worksurfaces. The worksurfaces shall be available in 16" depth with a 4" overhang in overall sizes that match the base rectangular and corner workstations. Worksurfaces shall be available in 34" wheelchair-accessible height of 42" stand-up height.

Electrical

Power shall be supplied through a UL-listed 10-wire system available in 2 configurations that are not interchangeable: 6 hot wires, 2 neutral wires and 2 ground wires or 4 hot wires, 4 neutral wires and 2 ground wires. The system shall have a rated capacity of 120 VAC @ 20 amps.

A rigid 1-piece wireway shall be attached to the inside of the modesty panel beam buy two 16-gauge steel brackets and hardware and be covered by an 18-gauge steel cover. The wireway design shall allow for easy connection of the wireway of one desk to another through the use of a jumper. All desks 30" and wider shall be ready to accept electrical components.

The receptacles for the system shall snap fit into the wireways and rated for 15 amps.

The electrical system shall allow for a method of passing power from one powered desk through the modesty panel beam of a non-powered desk and connected to the wireway of a third desk. This power pass through shall attach with snap fit connections.

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The electrical system shall allow power to infeed from the top of the desk through the triangular grommet in the worksurface. The top infeed kit shall include 12' of flexible metal conduit with a snap fit attachment to the wireway on one end and open whip on the other, a 7' or 10' extruded aluminum power pole and cover and ceiling trim. The interior of the power pole shall be divided into two cavities for power and communication cable management.

The electrical system shall allow for power to infeed from the base of the desk through the leg cover. The base infeed kit shall include 6' of plastic covered flexible conduit that transitions into flexible metal conduit with a snap fit attachment to the wireway on one end and open whip on the other.

A relocatable power tap (RPT) shall provide above worksurface power to the support stanchions from an installed 10-wire electrical system or use of the building outlets. Two RPT's, each containing two 15 amp outlets, shall be mountable per stanchion. Cord lengths shall be available in 36" or 96".

A steel bracket shall be available to attach to the underside of the modesty panel beam near the worksurface. It shall have a 1.38" x 2.70" opening to accept several different manufacturer's data faceplates and the RPT.

Pedestal Storage

Pedestal storage for Volition shall be provided by Series XXI pedestals.

Pedestals shall be available in 3 depths, 17-5/8" that may be used with any depth worksurface, 21-5/8" or 27-5/8" for maximum storage under a 30" worksurface. Multiple drawer combinations shall be available.

The 12" file drawer sizes shall have full extension slide arm suspensions for full access to storage space. The pencil drawers and 6" box drawers shall have 3/4 travel, precision steel ball-bearing suspension.

Locks shall be included in each pedestal and shall be randomly keyed. Specific keying combinations shall be available.

Hanging Pedestals

Hanging pedestals shall be suspended under a worksurface.

Supporting Pedestals

Supporting pedestals shall be positioned under a worksurface to support one end of the worksurface.

Freestanding Pedestals

Freestanding pedestals shall have a finished top and 4 adjustable glides. They shall be placed under a worksurface or anywhere else in the office. A counterbalance weight is recommended.

Mobile Pedestals

Mobile pedestals shall have a finished top and 4 twin wheel hooded casters. Front casters shall be locking and back casters shall be non-locking. A counterbalance weight is recommended.

Center Drawers

Center drawers shall be of a formed plastic construction with a front compartment tray integral to the molding. Locks shall be included and shall be randomly keyed. Specific keying combinations shall be available. They shall attach under Volition worksurfaces and shall be available in the 4 trim colors.

Sliding Keyboard Drawer

Sliding keyboard drawers shall attach to the underside of rectangular single surface worksurfaces and basic corner, transitional corner and end-of-run worksurfaces 42" wide x 24" deep or larger. The sliding keyboard drawer shall have 16" precision steel ball-bearing slides with height adjustments at 3", 3-1/2" and 4" below the worksurface. They shall be available in the 4 trim colors. They shall accommodate keyboards up to 9" x 22" on a non-skid surface and shall accept the optional wrist rest.

Sliding Keyboard Drawer with Mouse Surface

Sliding keyboard drawer with mouse surface shall attach to the underside of rectangular single surface worksurfaces and basic corner, transitional corner and end-of-run worksurfaces 42" wide x 24" deep or larger. They shall have 16" precision steel ball-bearing slides with height adjustments at 3, 3-1/2" and 4" below the worksurface. They shall accommodate keyboards up to 9" x 22" on a non-skid surface and shall accept the optional wrist rest. The mouse surface shall extend to the left or right and provide a 9-1/4" wide x 9" deep surface.

Fully Adjustable Keyboard Tray with Mouse Tray

Fully adjustable keyboard tray with mouse tray shall attach to the underside of basic corner or rectangular worksurfaces and transitional corner worksurfaces. They shall feature a 5-1/2" vertical adjustment and a tilt range of 15° positive and 15° negative. The keyboard tray shall swivel 359° and retract to store below worksurface. The non-skid surface shall accommodate keyboards up to 9" x 22" and the mouse tray shall extend 9-1/2" to the left or right. They shall be available in black only.

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Adjustable Mouse Pad

Adjustable mouse pads shall attach to the underside of worksurfaces. They shall have 5-1/2" vertical adjustment, 359° swivel and slide under the worksurface for storage. They shall have a neoprene surface and shall be available in black only.

CPU Sling

The CPU sling shall attach to the underside of worksurfaces and accommodate a range of CPUs up to 65" in circumference and a maximum of 75 lbs. It shall provide 5-1/2" of front-to-back travel and 359° swivel for ease of accessibility. The CPU sling shall be available in black only.

CPU Holder

The CPU holder shall accommodate a range of CPUs from 2"- 10-1/2" thick and 11"- 21" tall. An optional security kit to prevent tampering or removal of the CPU is available. The CPU holder shall be available in black only.

Privacy Screens

Privacy screens shall provide sitting- or standing-height privacy within the Volition workstations. Screens shall be 3/4" or 1" thick; 21" or 36" high; and available in 24", 30", 36", 42", 48", 54", 60", 66" and 72" widths to fit all worksurfaces. The screens shall include mounting brackets for attachment to either the overhead supports, the underside of the worksurface, the top of the worksurface or a combination of attachment to an overhead support and a worksurface top.

Two privacy screen construction methods shall be available: two 1/2" industrial insulation boards covered with fabric and glued together, or an exposed, powder-coated aluminum frame. The exposed frame construction shall allow the insertion of different core material such as clear and frosted acrylic.

Overstorage Support

The overstorage supports shall be formed of 16-gauge steel with overall dimensions of 6" x 6" x 19-1/2". A reinforcement plate constructed of 16-gauge steel shall be welded in place to provide additional strength and have 4 cutouts to accommodate either commercially available data plates or RPTs.

Overstorage support covers shall be available in 5 standard trim colors and translucent. They shall be designed to hinge open, providing access to the inside of the overhead support stanchions. A flexible rubber trim piece shall allow power or data cables to be run from the worksurface into the overhead support stanchions with the covers closed.

Overhead Storage

Overhead storage shall consist of the universal overhead and shelves and Venus® overhead. Overhead storage shall attach to worksurface with 2 or 3 overhead support stanchions, depending on size. The 24", 30", 36", 42", 48", 54", 60", 66" and 72" sizes shall be available. The 66" overheads shall consist of a 30" and 36" overhead combination. The 72" overheads shall consist of a pair of 36" overheads.

Shelf dividers shall be powder-coated steel with installation and removal accomplished without the use of tools or fasteners.

Universal overheads and shelves shall be 17" high and shall have 19-1/2" clearance between the worksurface and the bottom of shelf. Overhead doors shall be available in painted steel, fabric, laminate, or veneer with a PVC extrusion handle. Locks shall be randomly assigned or keyed upon customer request.

The end panels shall be constructed of 14-gauge steel and have self-locking mounting tabs formed into the back edge. The shell, back and top shall be constructed from 18-gauge steel. The front edge of the shelf shall be a PVC extrusion that also provides space for a concealed flush mount task light.

Venus overheads shall be 17" high and have 19-1/2" clearance between the worksurface and the bottom of shelf. The upper door shall be available in colored or translucent extruded rigid PVC with spatter-coat finish, fabric, or laminate applied. The overall door thickness shall be 3/8". The lower door shall be an aluminum extrusion and be ergonomic in design. A center lock mechanism shall be used between the upper and lower doors for security.

The overhead doors shall be effortlessly operated from either a seated or standing position through the use of the upper or lower door. The upper door and lower door shall be synchronized in motion through the use of two 10-gauge linkages. The doors shall be assisted with two extension springs and require less than 5 lbs. of force to operate. The upper door shall open over the outside of the case.

Task Lights

Task lights shall be offered in 1 standard level of efficiency and cost. The standard light shall have a magnetic high power ballast with rapid start, cool white T-5 fluorescent lamp. Task lights shall attach to the underside of the shelf on the overhead cabinets.

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Paper Management

The paper management system shall address the storage and movement of files, binders, and system documents. Components shall be available with integrated hooks for attachment to the tool rail. The system shall be available in the 5 trim colors. The paper management system shall include the following components: tool rail, paper tray, diagonal storage unit, vertical storage unit, hanging file folder holder, telephone caddy, CD holder, accessory tray and a pencil cup. The tool rail shall be a powder-coated aluminum extrusion attached to the overstorage supports with 2 steel brackets. The tool rail shall be 4-1/2" high and 7/8" deep with the length corresponding to the worksurface width minus the width of the overhead supports. Multiple combinations of paper management units shall hang on the bar in any of the 4 vertical locations. All component shall be of injection molded ABS plastic.

The paper tray shall be 2" x 19-1/2" x 14". It shall be used freestanding or suspended from the tool rail.

The diagonal storage unit shall be 2-1/2" x 7" x 12-1/2". ABS dividers shall be able to be used in either left or right positions. It shall be used freestanding or suspended from the tool rail.

The vertical storage unit shall measure 5" x 10-1/2". It shall be freestanding or suspended from the tool rail.

The telephone caddy shall measure 2" x 8-1/2" x 9-1/2". It will have a retractable tab to adjust to various phone sizes.

The accessory tray shall measure 2" x 9-1/2" x 10". It will have compartments for the storage of common items such as: stamps, small note pads, tape, pencils and paper clips.

The pencil cup shall measure 4" x 4" x 3-1/2".

Finish

Units are cleaned thoroughly and subjected to a phosphate etching process before painting. A hybrid epoxy powder paint is applied and is baked at 395°F for 30 minutes. Powder paints contain negligible VOC concentrations, less than 3% by weight. During the curing process of the paint, the VOC concentrations are driven off. Thus, the finished powder paint products would emit no significant quantities of VOC once installed.

ANSI/BIFMA

Volition desking system shall meet or exceed the required ANSI/BIFMA X5.5-2008 desk systems test.

UL Listed

The desks shall be listed to applicable UL standards and requirements by Underwriters Laboratories Inc. Two of the standards used to evaluate Volition desks are UL 1286 Office Furnishing and UL 723 Standard Test for Surface Burning Characteristics of Building Materials.