



## BCI General Specifications

### Design: BCI Concertina Desk System

#### DS2.0 General

DS2.0.1 All finished surfaces shall be free of scratches, mars, dents or blemishes, and exhibit no flaking, cracking or loss or adhesion.

DS2.0.2 The desk system shall have smooth finishes with no hazardous projections, sharp corners or detail which can be hazardous and cause personal injury or damage to clothing.

#### DS2.1 Specific

DS2.1.1 The desk system shall be starter – add-on construction with side frames and structural three front panels providing maximum rigidity and optional adjustability.

DS2.1.2 In addition to any warranty implied by fact or law, the Bidder expressly warrants all items to be free from defects in design, materials and workmanship, and be fit and sufficient for intended purpose. Any sample or model that is submitted shall create an express warranty that the whole of the goods shall conform to the sample or model.

DS2.1.3 The desk shall be constructed primarily of steel with a combination of finishes, including textured epoxy powder paint, and 80-gloss epoxy paint. The edges shall be flexible rubberized PVC molding in medium gray or black. The desktops shall be surfaced with linoleum or laminate of the horizontal desk surfaces.

DS2.1.4 The desk modules shall arrive on site in a knockdown construction, so installation will be required.

#### DS2.2 Technical Properties

##### DS2.2.1 European Forbo:

Heat conducting capacity = 0.17W (m.k.)

Moisture penetration resistance =  $400 \times 10^{-3}$  -  $300 \times 10^{-3}$  s/m.

Light authenticity according to SIS 027813 standard = more than 6.

Chemical resistance according to DIN 51958 standard = material resistant to weak acid, oil, grease and general solvents such as alcohol, acetone, etc.

##### DS2.2.2 European Laminate: (Perstrop or Formica)

Layers of a paper product that is thermo-fused together with a high-pressure process applied hardened resin and pigment sheet.

Construction: 5 layers

Thickness: 0.50"

Backer Sheet: 0.40"

#### DS2.3 Standard Modules

DS2.3.1 All desk modules and components shall be modular.

DS2.3.2 Available Adjustability: Fixed position, manually adjustable, or electrically adjustable.

DS2.3.3 Available Depths: 26" (660 cm) for short reach, 30.3/4" (78 cm) for general worktop and computer use with pullout keyboard and 36" (90 cm) for general use and computer.

DS2.3.4 Available Basic Straight Modules: 43" wide (110 cm) and 59" (150 cm) wide, both with selected tops ranging from stand alone, right-hand free, left-hand free or middle units.

DS2.3.5 Individual and end worktops shall extend the centerline of the side frame by 8" (20 cm).

DS2.3.6 Available Radius Modules: 45 degree extended or 60 degree extended.

DS2.3.7 All modules shall be available with a low or high transaction ledge.

DS2.3.8 Standard internal components shall consist of a complete line of computer accessories, pencil or cash drawers, two or three drawer mobile pedestals, fixed or mobile shelf pedestals, bag, shelves, display cases, and pigeon hole compartments for use under transaction counters, individually placed on work surfaces, or on shelves.

#### DS2.4 Module Construction

DS2.4.1 Each module shall be starter or add-on construction. The starter module shall include two end frames with nickel telescoping tubes, a rising / descending upper front panel in solid or perforated steel and dual lower stationary front panel with 1.3/4" unobstructed built-in wire management area. The addon module shall include one intermediate frame with nickel telescoping tubes, a rising / descending upper front panel in solid or perforated steel, and a dual lower front panel with 1.3/4" unobstructed built-in wire management area.

DS2.4.2 Each unobstructed dual wall front panel shall have formed "J" channel strapping to support any of Byrne Electrical Specialists modular eight wire electrical components.

DS2.4.3 The desktops are available for several uses and positions, varying in depth and position placement, and with or without rail top. All desktop can be replaced at any time to fulfill a new design aspect or requirement without changing the module frame.

DS2.4.4 When multiple individually adjustable surfaces are necessary, intermediate modules shall be used. The available intermediate modules are 17.3/8" (44 cm) and 34.1/4" (87 cm) wide.

#### DS2.5 End / Intermediate Frame

DS2.5.1 Each end / intermediate frame shall be 22.7/8" high x 4.1/2" wide and coated with epoxy powder textured paint.

DS2.5.2 Each end / intermediate frame shall be fitted with a rubberized half round PVC bumper placed on the user side.

DS2.5.3 For top height, each end / intermediate frame shall be supplied with two nickel 1.3/8" diameter telescoping tubes for adjustability or to be cut to desired height

DS2.5.4 Each 1.3/8" diameter telescoping tube shall have a welded platform measuring 4.3/8" square for top attachment to support either one of two work surfaces.

DS2.5.5 Every end and intermediate frame shall have a rectangular electrical wire transfer knock out on the right.

## DS2.6 Front Panels

DS2.6.1 The upper front panel shall be constructed from 16-gauge cold-rolled steel with a solid or perforated surface coated with eight-gloss flawless epoxy paint.

DS2.6.2 The height of the upper front panel varies depending upon desired fixed or adjustable height.

DS2.6.3 The lower dual front panel shall be constructed from solid 16-gauge steel faced with textured medium gray epoxy paint.

DS2.6.4 The overall height of the lower panel shall align with the top edge of the end / intermediate frame at 22.7/8" above finished floor.

## DS2.7 Desk, Work and Rail Tops

DS2.7.1 All horizontal surfaces shall be 2-1/2" thick including Forbo or laminate thickness.

DS2.7.2 All surfaces shall be supplied with solid flexible rubberized PVC edge(s) that are approximately 2-1/2" high and / or 7/8" thick when using 30.3/4" or 36" deep surfaces.

DS2.7.3 Two transaction heights shall be available: The low transaction shall be 13.3/8" above the desktop and the high transaction ledge shall be 17.1/4" above the desktop.

DS2.7.4 All horizontal surfaces are securely fastened to the tube platform with four bolts that fit into a threaded steel sleeve on the underside of the desktops.

## DS2.8 PVC Pivoting Grommet

DS2.8.1 The grommet shall be a three-part cast PVC, available in medium gray.

DS2.8.2 The grommet shall have a pivoting top, offering three sized openings and one closure when not in use.

DS2.8.3 The grommet shall also have the capabilities of offering a 3" diameter opening, free from obstruction and completely finished in appearance.

DS2.8.4 The inside circumference shall be 3" with a 1/4" outer edge lip.

DS2.8.5 The grommet shall be located wherever specified.

## DS2.9 Two Drawer Mobile Pedestal

DS2.9.1 The mobile drawer pedestal shall be supplied with (4) 2.1/2" high x 2" diameter barrel, highly durable PVC casters with metal internal mechanisms.

DS2.9.2 The pedestal shall be completely enclosed, self-contained, and constructed from a combination of steel and enameled MDF.

DS2.9.3 The overall dimension shall be 20.3/4" high x 16.1/2" wide x 18" deep.

DS2.9.4 The provided drawers shall be constructed from a pre-formed steel shell, attached to fully extendible Accuride pullout glides.

DS2.9.5 All drawer fronts shall be supplied with a 1/4" diameter extruded PVC handle in soft gray.

DS2.9.6 The 4" high accessory drawer shall be supplied with a PVC supply tray offering six separate compartments for various uses.

DS2.9.7 The measurements of the tray shall be 13.1/4" wide x 9" deep x 1.1/4" high and shall suspend from the internal steel shell, thus providing room for flat storage underneath.

DS2.9.8 The 12" high file drawer shall be supplied with a steel file frame and divider that has been powder coated with epoxy paint.

DS2.9.9 The file frame shall securely fasten into the internal steel shell of the drawer.

DS2.9.10 A central lock shall be offered as an option.

DS2.9.11 The pedestal shall be constructed from enameled MDF. The body of the pedestal shall be painted to match the lower frame of the desk configuration, while the drawer fronts can be painted any standard poxy color.

#### DS2.10 Three Drawer Mobile Pedestal.

DS2.10.1 The mobile drawer pedestal shall be supplied with (4) 2.1/2" high x 2" diameter barrel, highly durable PVC casters with metal internal mechanisms.

DS2.10.2 The pedestal shall be completely enclosed, self-contained, and constructed from a combination of steel and enameled MDF.

DS2.10.3 The overall dimension shall be 20.3/4" high x 16.1/2" wide x 18" deep.

DS2.10.4The provided drawers shall be constructed from a pre-formed steel shell, attached to fully extendible Accuride pullout glides.

DS2.10.5 All drawer fronts shall be supplied with a 1/4" diameter extruded PVC handle in soft gray.

DS10.6 The 4" high accessory drawer shall be supplied with a PVC supply tray offering six separate compartments for various uses.

DS2.10.7 The measurements of the tray shall be 13.1/4" wide x 9" deep x 1.1/4" high and shall suspend from the internal steel shell, thus providing room for flat storage underneath.

DS2.10.8 Two 6" high box drawers shall be placed underneath the 4" high accessory drawer.

DS2.10.9 A central lock shall be offered as an option.

DS2.10.10 The pedestal shall be constructed from enameled MDF. The body of the pedestal shall be painted to match the lower frame of the desk configuration, while the drawer fronts can be painted any standard epoxy color.

#### DS2.11 Mobile shelf Pedestal

DS2.11.1 The mobile shelf pedestal shall be supplied with (4) 2.1/2" high x 2" diameter barrel, highly durable PVC casters with metal internal mechanisms.

DS2.11.2 The pedestal shall be completely enclosed with one base shelf and one shelf above and shall be available to store in the 17.3/8" (44 cm) or 34.1/4" (87 cm) wide intermediate modules.

DS2.11.3 The pedestal shall be constructed from enameled MDF. The body of the pedestal shall be painted to match the lower frame of the desk configuration.

#### DS2.12 Pencil / Cash Drawer

DS2.12.1 The pencil/cash drawer shall be a completely enclosed and the self-contained pedestal, which shall attach underside of the desktop.

DS2.12.2 The internal drawer shall be constructed from a pre-formed steel shell, attaching to fully extendible Accuride pullout glides.

DS2.12.3 The measurements of the drawer shall be 3.3/4" high x 16.1/2" wide x 12" deep.

DS2.12.4 All drawer fronts shall be enameled MDF with an optional central lock.

DS2.12.5 The drawers can be outfitted with an accessory tray or partitions for cash.

#### DS2.13 Pull-out Keyboard Pedestal

DS2.13.1 The overall dimensions of the pullout keyboard pedestal shall be 3.3/4" high x 22" wide x 12" deep with a 12" deep internal.

DS2.13.2 The internal shelf shall be supported with fully extendible side mounted Accuride glides.

DS2.13.3 The pedestal shall be self-contained and mounted to the underside of the specified desktop.

DS2.13.4 The pullout keyboard shall be constructed from combined materials of steel and enameled MDF. The external shell shall be steel - the internal shelf shall be MDF.

DS2.13.5 As all internal components, the pullout keyboard pedestal shall be painted to match the lower frame of the desk configuration.

#### DS2.14 Pigeon Hole

DS2.14.1 The work surface pigeonhole shall be available in two sizes to accommodate positioning under the high or low transaction ledge.

DS2.14.2 The pigeonhole is provided in a knock down construction and produced from perforated steel for ease of adjustment.

DS2.14.3 The high pigeonhole shall be offered with three horizontal shelves and optional sub dividers.

DS2.14.4 The low pigeonhole shall be offered with two horizontal shelves and optional sub dividers.

DS2.14.5 As all internal components, the pigeonhole components shall be painted to match the lower frame of the desk configuration.

#### DS2.15 Vertical CPU Pedestal

DS2.15.1 The vertical CPU pedestal shall be constructed from steel and offer an incremental adjustment in width.

DS2.15.2 The vertical housing shall be anchored to the inside frame of the module specified.

DS2.15.3 As all internal components, the CPU pedestal shall be painted to match the lower frame of the desk configuration.

#### DS2.16 Full Width Adjustable Shelves

DS2.16.1 Two adjustable shelves shall be available for the 110 cm wide module and 150 cm wide module and shall measure 16.1/2" (42 cm) deep aligning with the front edge of the side frames.

DS2.16.2 Each shelf shall adjust in height from the increments positioned in the side panels.

DS2.16.3 Each shelf shall be supplied with solid flexible rubberized PVC edge that is approximately 2-1/2" high and shall be surfaced with the same laminate or linoleum selected for the worktops.

#### DS2.17 Display Cabinet

DS2.17.1 The display cabinet shall be 17.3/8" (44 cm) high x 26" (66 cm) deep and be subdivided in total width with a perforated steel divider.

DS2.17.2 Each cabinet shall have a recessed safety glass front sloped at 60 degrees for displaying material the patron side and sliding glass doors with lock on the user side.

DS2.17.3 The side panels of the cabinet shall be perforated steel with adjustability increments positioned every 1" (2.5 cm) on center.

DS2.17.4 One steel adjustable shelf measuring 13.1/2" (34.2 cm) deep shall be supplied per display cabinet compartment.

#### DS2.18 Bag Shelf

DS2.18.1 Bag shelves shall be available as an optional component and shall measure 6" (15 cm) deep.

DS2.18.2 Each bag shelf shall be supplied with solid flexible rubberized PVC edge that is approximately 7/8" high and shall be surfaced with the same laminate or linoleum selected for the worktops.

DS2.18.3 The bag shelves shall be available in all widths and curved modules, and shall be ordered to reiterate the identical overall width of the work surface.

DS2.18.4 The standard bag shelf placement shall be positioned at 24.1/4" (61.5 cm) above finished floor, aligning with the top of the lower front panel and side frames.