

Specification

SYSTEMS FURNITURE TECHNICAL SPECIFICATIONS

General Requirements:

One System

Electrical Incrementation 11"-14"

Frame and Tile

Stackable, Load Bearing Panels

Greenguard, SCS or BIFMA Level I certified

This specification establishes the minimum requirements for the acquisition, design and installation of the complete and usable system of workstations composed of panels, supporting components, electrical hardware, communication and data cable routing, special electrical features, and accessories. Furniture supplier vendor shall provide and install electrical, data, and voice outlets.

Workstation requirements and configurations shall adhere to the minimum requirements outlined herein. Components and hardware shall be provided by a single manufacturer and shall be a standard commercial product as shown in the vendor's current GSA pricelist. Vendor shall submit a single product solution for the workstations. Multiple systems products from the same manufacturer will not be accepted with the exception of universal storage components. All products must be branded from the same manufacturer with the exception of articulating keyboard platforms and monitor arms. Cable management system must be provided. The offeror should consider a typical work station at minimum to contain a task chair, chair mat, work surface, articulating keyboard platforms and monitor arms, panels, overhead storage, shelf, and pedestals for file storage and fit within the square footage outlined in the space program. The offeror should consider each executive office to have minimum of work surface, file storage system, executive chair, chair mat, side chair and fit within the square footage outlined in the space program.

General

Systems manufacturer must have a coordinating desk base/modular product that can coordinate with the panel system. Dealer must have in-house services including interior design, sales, installation, and warehousing capability. Dealer/manufacturer must have an example of product in either a showroom or similar office space setting within 2 hours drive from the project site.

Panels

1. The panel frame shall be a metal frame.
2. Panel thickness including the fabric outer surface shall be approximately 3". The panel shall be a moveable monolithic panel or segmented, which can fasten within 1 1/2" inch increments.
3. Stackability: Each panel shall have the ability to accept a minimum of two additional stack units, on the base load bearing unit, without replacing the base panel (s) or having to counter balance the panel.
4. Each panel shall have the ability to route utilities within the stack unit.
5. Panel heights shall fall into the following height ranges: 36" to 42", 48" to 60", 63" to 70", 79" to 82"H. All panels shall be available in approximate widths of 24, 30, 36, 42, 48 and 60 inch
6. Base raceways shall be provided with every panel on the spine. The base raceway must be 3 3/4" to 8" high.
7. Magnet held base covers will not be accepted. The raceway cover can be constructed of steel or high-impact resistant color impregnated PVC. Top caps shall be powder-coated roll formed metal.
8. Cables shall be capable of being accessed behind the removable pad/skin covers. The base raceway shall allow lay in cabling or powered base system and, as required, shall include any cable management accessories to do so. Each stack on panel segment shall have the ability to route utilities within the stack unit.
9. The tile is to extend to the floor in locations without base raceway or open raceway. Segmented tiles are to be used along the aisle way.
10. Panels shall be capable of having hanging components.

Panel Connectors

Panel connectors shall be constructed of steel. They shall be available in straight, two-way, three-way, four-way, end-of-run, T-mount, off modular, and wall mount conditions. Light and sound blocks shall be installed the full length of the connector. The panel connector shall accept adjoining stack on segments without removing the existing connector.

Face Tile

1. All panels, pads and connector cover seams shall be no more than ½" thick.
2. Face tile options should include tackable fabric, metal, glass, wood and marker board options. All pads/skins shall have a metal hooks for attachment to panel. Fabric pads shall be bonded to the fabric frame with an adhesive.
3. The panel's fabric shall be field replaceable, so that the entire panel doesn't have to be replaced.
4. For this project, fabric should be priced as mid-grade. Fabric options to include a minimum of four fabric grades.
5. Glass, when specified, should be available in clear or frosted. Frosted acrylic panels are acceptable but should be noted as such in your specifications. Either center-positioned single pane or side-positioned double pane glass/acrylic shall be utilized. Side-positioned single pane shall not be used.

Electrical

Vendor to provide a 3-circuit, 8-wire electrical and coordinate locations with the owners A/E and contractor. Electrical duplex locations are to be available anywhere on the panel frame. Electrical entry is into the beltline through to panel at the same height and through junctions. Freestanding workstations shall have hard-wire capability per each workstation. Workstation shall be able to provide power at or below work surface with ability to connect to adjacent workstations. Cable management accessories shall be included. Furniture supplier vendor shall provide and install the electrical duplex receptacles.

Voice and Data Wiring

The wiring requirement for this project is one wiring category: unclassified. Each workstation requires two unclassified data Cat 6, one (1) unclassified telephone Cat 6.

1. All data entry is to be by wall box or floor box. This should be closely coordinated with the owners A/E
2. Cables shall be capable of being accessed behind the removable pad/skin covers. An integral cable management system shall be available to empower the user to manage cables, horizontally every 11"-14" inches and within the cavity at all levels, if so desired. System manufacturer shall include any cable management accessories as required.
3. Lay-in Cable Management: Cables and electrical must be routed from one panel to another by means of a lay in installation or integral powered-base wire/cable management system.
4. Furniture supplier vendor shall provide and install the voice and data outlets.

Undersurface Storage

1. Pedestal cabinets shall be of a steel construction. Pedestal shall be a fixed full depth pedestal that supports the work surface.
2. Pedestal cabinets shall be approximately 15" wide and offered in two depths: approximately 23" and 29". Lateral file shall be available in 30", 36", and 42" widths.
3. Pedestal depth shall match the depth of the work surface within 1 1/2 inches.
4. All files drawers shall be equipped to handle both letter and legal filing.
5. Box drawers shall have a ¾" suspension with ball bearing slides. Each box drawer shall include a side-to-side divider. At least one box drawer per cabinet must have an accessory tray capable of holding paper clips, rubber bands and such.

6. File drawers shall have full extension steel ball bearing glides. Loads are to be tested to BIFMA cubic inch x 0.017 lbs.
7. Freestanding pedestals must be equipped with four leveler glides constructed of galvanized steel and allow up to 1" of height adjustment. Levelers shall be accessible from inside the pedestal cabinet. Freestanding pedestals must have the option of a seat cushion and/or castors.
8. Pedestals shall have a finished metal back.
9. Pedestals shall be non-handed.
10. For this project, all metal storage shall be priced in a standard painted finish. The full line of pull options shall be available.
11. All pedestals must be equipped with locks.

Worksurfaces

Worksurfaces shall be available in approximately 24" and 30" depths. Options for both straight and angled/curved shapes shall be available. Worksurfaces shall be able to receive leg kits and be interchangeable from panel mount to freestanding. Leg kit conversion must be within product line. Worksurfaces shall be a minimum of 1 1/4" thick and made with a wood composite core. Worksurfaces shall be available in a high-pressure laminate top or wood veneer (no thermofoil) with a full range of edge details available. All worksurfaces shall be independently height adjustable in 1" increments with no shared cantilevers. Provide an option for adjustable standing height work surface.

Overhead Storage

Overhead storage units shall include doors; standard, tambour or flipper style. Overhead storage units shall accommodate task lighting and shall have a minimum 13 inch depth and standard 11.5 inch high binders must fit clear inside the overhead storage. System must accommodate panel hung off-module overhead ability. It is preferred that cabinet bins be convertible between freestanding and panel hung work stations. Both ends of overhead units shall be finished.

Freestanding Wardrobe Storage

Wardrobe units shall be available in single units to provide a mixture of lateral file type storage, pedestal type storage, open and closed binder storage, wardrobe storage, hybrids and oversize storage. Wardrobe storage units shall be available in multiple heights. The full line of pull options and finishes shall be available.

Task Lighting

Task lights shall be high efficiency, surface mounted, and not be less than 6 inches shorter than the corresponding shelf or overhead on which it is hung. Task lights shall be LED with a diffuser lens, approximately 10 watts per fixture, and produce 3500K (CRI80) color temperature light. All task light power cords shall be enclosed within a vertical wire cover or clipped between the overhead storage and the work surface. Occupancy sensors on all task lights are preferred if available.

Keyboard

Keyboard platform shall be fully articulating and include a non-handed attached mouse tray. Track lengths must be available for to fit work surface as designed as well as both 24" and 30" deep work surface.

Locking

All components within a workstation shall be keyed alike.

Sustainability

The system shall be Greenguard, SCS or BIFMA Level I certified. Must contain recycled content. FSC certified wood must be available and used if stated in the typical workstation requirements.

ANCILLARY FURNITURE TECHNICAL SPECIFICATIONS

General Information

This section deals with the following furniture and accessories:

Conference Tables

Chair Mats

Casegoods Desks, Credenzas, and Storage Hutches

Bookcases

Occasional Tables

Task Chairs

Side Chairs

Conference Room Chairs

Executive Desks

Conference Table

1. The external face of the tables shall be medium grade high pressure laminate with the option of a veneer. Price in both laminate and veneer. Offeror to state if the finish is open or closed pore veneer finish.
2. Table tops shall be available in a variety of edge profiles.
3. Veneers will be natural and available in manufacturer's standard species, colors and finishes.
4. Table bases shall be wood or metal pedestal style, painted or anodized metal finish. Dark bronze or black.
5. Table top shall have easy accessible and cancelable electrical and data ports with wire management for easy connection of devices.
6. Conference/Project Rooms shall be designed to maximize seating in a conference room setting

Chair Mat

Rectangular floor mat 36" x 48" suitable for low to medium pile carpet tile.

Casegoods Desk and Casegoods Reception Desk

1. Provide a wood veneer finished, double pedestal panel-end desk. Exposed surfaces to be clad in wood veneer with at least four finish options Provide one pedestal with file/file configuration and one with box/box/file configuration.
2. All drawers shall have ADA compliant pulls.
3. All desk structural connections to be glued hardwood cores with re-enforced joints at the top and panel leg. Medium Density Fiberboard (MDF) or plywood cores are acceptable for panels. Drawer fronts must be a solid wood, but the sides and the bottom may vary in terms of construction and material. Drawer glides to be full extension, ball bearing type glides.
4. Provide key alike locks for desk pedestals.
5. Provide leveling guides for the panel ends and pedestals.
6. Provide an internal wire management system within the desk structure to manage cables from the desk top to the floor.
7. Provide a transaction top for the full span of the reception desk with wood veneer and matching plastic laminate wood grain top as a finish option.
8. Hutches should have a task light and a tack board in a grade 3 fabric or equivalent.

Bookcases

1. Provide a wood veneer finished enclosed bookcase, 3 and 5 shelf options. Exposed surfaces to be clad in wood veneer and offered in at least four finish options.
2. Shelves to be 1" thick with adequate re-enforced support, spanning the length of the shelf, to prevent deflection.
3. Shelves shall be adjustable.
4. All structural connections to be glued hardwood cores with re-enforced joints for the case. MDF or plywood cores are acceptable for panels.

Occasional Tables – Coffee height and end table height

1. Provide a wood veneer or laminate top coffee table 42" x 24" x 16-18" high and end table 24" square at 26-28" high. Exposed surfaces to be clad in wood veneer in at least four finish options
2. Table tops to be a minimum of 1" thick with re-enforced steel support, spanning the length of the top to prevent deflection.

3. All structural connections to be glued hardwood cores with re-enforced joints for the case. MDF or plywood cores are acceptable for panels.
4. Provide transitional and traditional design options.

Task Chairs

SEATING TECHNICAL SPECIFICATIONS

This specification establishes the minimum technical requirements for a high performance task chair. These requirements are based on general industry standards and are intended to provide high quality seating with broad applicability for computer work and general office work.

General Requirements

1. The chair shall be a high-performance, long-term swivel-type chair that meets or exceeds all ANSI – BIFMA standards.
2. The chair shall have adjustable arms. Adjustable arms shall be molded urethane with resilient surfaces that protect the arms and work surfaces.
3. The chair shall have a 5-star molded engineered glass filled nylon black base, as specified, with the option for hard or soft casters.
4. Environmental certification such as Greenguard or SCS Certified is preferred.
5. Minimum 10 year warranty on parts and 3 year warranty on labor.

Provide a mesh-back or upholstered back task chair with adjustable arms and with a mesh or upholstered seat. The task chair shall have adjustable arms, adjustable seat depth, be height adjustable, have flexible lumbar support and a pneumatic seat height adjustment. Multiple mesh, fabric and finish options in at least three grades are to be available to coordinate with the project's color palette.

General Size Recommendations

Seat Height Range: 15" to 22"

Backrest Height: At least 17.6" above the compressed seat pan

Backrest Width: At least 14.2"

Minimum Seat Pan Width: 17.6"

Maximum Seat Pan Depth: 16.9" (If pan is adjustable, depth shall include 16.9" within adjustment range)

Minimum 5-star Base with 360-degree swivel, with appropriate casters for specified floor type

Adjustable Armrest Height Range: 6.6" to 10.6" above the seat pan height.

Minimum Armrest Clearance: At least 18.1" between armrests.

Pneumatic Seat Height Adjustment

The chair is to have a pneumatic seat height adjustment that allows a minimum of 4.6" within the recommended range of 15" to 22" measured from the floor to the center of the seat pan.

Seat Depth Adjustment

A seat depth adjustment is preferred, with a minimum range of 2".

Backrest and Lumbar

The width of the backrest shall be at least 14.2" and the height of the backrest shall be at least 22". All active backrest and/or lumbar support mechanisms must be easily reached from a seated position.

Adjustable lumbar support shall be included. Self-adjusting lumbar supports, such as those provided through engineered mesh, are considered adjustable, and are therefore acceptable.

Adjustable Arms

Adjustable height armrests are required, with adjustment height range from 6.6" to 10.6" above the seat pan height. Clearance between the armrests should be at least 18.1".

Executive and Conference Room Chair

1. The chair shall be a high-performance, long-term swivel-type chair that meets or exceeds all ANSI – BIFMA standards.
2. The chair shall have adjustable arms. Adjustable arms shall be molded urethane with resilient surfaces that protect the arms and work surfaces.
3. The chair shall have a 5-star molded engineered glass filled nylon black base, as specified, with the option for hard or soft casters.
4. Environmental certification such as Greenguard or SCS Certified is preferred.
5. Minimum 10 year warranty on parts and 3 year warranty on labor.

Provide variety of upholstery and material finishes, thick seat cushion, option for cushion back rest adjustable arms, adjustable seat depth, be height adjustable, have flexible lumbar support and a

pneumatic seat height adjustment. Multiple mesh, fabric and finish options in at least three grades are to be available to coordinate with the project's color palette.

Minimum Seat Pan Width: 17.6"

Maximum Seat Pan Depth: 16.9" (If pan is adjustable, depth shall include 16.9" within adjustment range)

Minimum 5-star Base with 360-degree swivel, with appropriate casters for specified floor type

Adjustable Armrest Height Range: 6.6" to 10.6" above the seat pan height.

Minimum Armrest Clearance: At least 18.1" between armrests.

Pneumatic Seat Height Adjustment

The chair is to have a pneumatic seat height adjustment that allows a minimum of 4.6" within the recommended range of 15" to 22" measured from the floor to the center of the seat pan.

Seat Depth Adjustment

A seat depth adjustment is preferred, with a minimum range of 2".

Backrest and Lumbar

The width of the backrest shall be at least 14.2" and the height of the backrest shall be at least 22". With a high back option. All active backrest and/or lumbar support mechanisms must be easily reached from a seated position. Adjustable lumbar support shall be included. Self-adjusting lumbar supports, such as those provided through engineered mesh and cushion are considered adjustable, and are therefore acceptable.

Adjustable Arms

Adjustable height armrests are required, with adjustment height range from 6.6" to 10.6" above the seat pan height. Clearance between the armrests should be at least 18.1".

Side Chairs

Chair shall complement that of the executive and conference room chair with matching/complimenting upholstery and finishes.

Clear nylon glides

Upholstered foam pad on seat or seat and back

Arm or armless versions to be made available

Stackable and stacks minimum of 10-high on the floor, upholstered or non-upholstered, arm or armless

Min. width 23.5"

Min. Depth 22"

Min. Overall height 33.9"

Executive Desks

1. Must be high pressure wood color veneer laminate with surface tops a minimum 1.5" thick
2. Cabinets and drawers must have locks and keyed to a single key per office
3. Wire management with grommets on desk, return, and credenza.
4. Drawers shall have heavy duty full extension slides operating on ball bearings with leveling guides
5. Left or Right return shall match desk color, have electrical access
6. Upper storage must match executive office desk color. Upper storage must include a project shelf, under mounted task lighting and a finished top.
7. Vertical storage must match executive office desk color, have one door for wardrobe that hinges on the left or right (dependent on final design) and have a finished top.
8. Desks must be configurable to maximize work area

General

Not all furniture and accessories have been identified in this specification. It is the intention of this solicitation for the offeror to provide the best solution to maximize the space and comfort of the occupants. Design items can include other furniture and accessories not specifically called out but to be available as options:

Standing height stools

Adjustable sit-to-stand work stations

Lounge chairs

Modular seating