



## General Specifications for xXtreme Office Furniture Systems

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### **General Description of Product:**

xXtreme is a modular panel system (cubicle system). It is designed to be off module on a horizontal plane and stackable on a vertical plane. The general design is to support expansion and minimize life cycle costs. The product is a steel skeleton based system that can be expanded both in a horizontal and vertical application.

The general product application is designed to support general office, sales and support offices in a general or specialized office environment. It has a number of support components that allow it to be adapted to most office environments and requirements. Components include but are not limited to faces (tiles), power, data management, work surfaces, storage (panel mounted and free standing), work support tools and specialized furniture applications for the office environment.

### **Materials and General Specification Information:**

#### **Frames (panels):**

Frames are manufactured from 16 gauge cold mild steel tubing, 1 1/4 square with welded glide housing for vertical frame member. Vertical frame member is pre-punched with connector and frame mounting locations for all general applications. The vertical frame member is punched to receive extension bayonet for stacking applications.

Standard heights are 30", 43", 56", and 69" with 13", 26" and custom height stacking extensions.

Horizontal rails are C shaped designed to allow for off module bracket application at specific set heights for use with system components. Rails are 14 gauge cold rolled steel, roll formed for strength and component support brackets. Rails are mechanically attached to vertical frame member using 10-32 truss head self threading screw. The first horizontal rail is welded to vertical frame member to prevent shipping misalignment. Mechanical attachment allows for field modification and replacement for life cycle updating and modification. The rails are attached to mounting blocks that provide a triangulated structural strength to the entire frame assembly.

Standard widths are: 12", 18", 24", 30", 36", 42", 48", 54", 60"

Frames are finished with epoxy powder coat vista black finishes to provide a durable abrasive resistant finish. Frames are finished as an entire unit to prevent rusting and provide a long term durable finish.

Frame trim is extruded 6063 t5 aluminum extrusion. Extrusion is powder coated in a variety of finish colors and both textured and smooth powder coating to provide durability. Trim consists of top cap and raceway trim to provide both aesthetic and durability performance for the system. All components are friction fit on the system horizontal rails. A removable plastic trim cap is provided on the top cap to allow for field adjustment for local conditions.

## **Frames (panels): (cont'd)**

**Connectors for Frames:** Frame connector components are made of two materials; the first is cold rolled steel, varying in thickness from 12 gauge (1008-1010 steel) for 2-4 way connector to 16 gauge (1008-1010 steel). Connectors are mechanically fastened to frames using standard SAE bolts and nuts depending on the application. The use of standard "off the shelf" bolts is designed for life cycle use and replacement over time as needed in the field.

Connector trim is extruded 6063 t5 aluminum extrusion. The extrusion is powder coated in a variety of finish color and both textured and smooth powder coated finishes to provide durability. Trim consists of outside connector trim (2way and 3way) and end cap trim to provide both aesthetic and durability performance for the system. All components are friction fit on the system horizontal rails. A removable plastic trim cap is provided on the top cap to allow for field adjustment for local conditions. Transitional conditions are made with a molded plastic trim component in matte black. 2way, 3way and 4way conditions are trimmed using molded matte plastic trim unit designed to adapt to specific field applications.

**Horizontal wall rail applications (wall strips):** Horizontal rails are C shaped designed to allow for off module bracket application at specific set heights for use with system components. Rails are 14 gauge cold rolled steel, roll formed for strength and component support brackets mounting. Rails are mechanically attached reinforced drywall using installer provided wall fastener. A spacer is provided for the wall rail to allow for faces application. Rail can be drilled to allow for direct attachment to wall studs as needed. Wall rail can be cut to length to provide aesthetic features for application.

## **Faces (tiles):**

Faces are made of various composite materials depending on application:

Standard widths are: 12", 18", 24", 30", 36", 42", 48", 54", and 60"

Standard heights are 13", 26" and custom heights depending on specific face application.

**Fabric Faces:** Fabric faces are made of 45 lb density polyester core material. The material is heated, compressed and cooled to create a board structure for screw holding, acoustic properties and tackability for use in office application. Core material is constructed from a spun fiber material compressed to density and heated and crystallized to create a rigid application material. Face has a mechanically attached spring steel clip for attaching to horizontal rails. Faces are designed for off module application and are symmetrical for field installation. Fabric is generally a polyester or polyester blend with a heated polyester glue applied in a vacuum chamber to secure fabric to core material. Spring clips are mechanically screwed to face using high thread composite board screws. Faces attach using spring clip only and no tools are required for installation.

**Painted Metal Faces:** Painted steel faces are available in a variety of standard and custom applications including plain painted, embossed painted, voice data application (painted or fabric covered), textured laminate over steel, air flow painted, laser cut painted steel. Faces are made from 20 gauge cold rolled steel. Paint is epoxy powder coated baked to finish. Finish is available with textured or smooth paint. Spring steel mounting clips are mechanically attached to faces to allow for off module

installation.

### **Faces (tiles): (cont'd)**

**Textured Wood Faces:** Textured faces are made of medium density fiberboard with 3D molded xXphusion laminate over the front surface and melamine backer material on the rear of the face. Spring steel clips are mechanically attached to the board allowing for off module installation. The laminate is thermal formed over the entire front and edges of the face. Rear edges are trimmed to prevent chipping and damage to edge of laminate. xXphusion is tested against NEMA LD3/4 test specifications and is similar in performance to high pressure laminates (exceptions for acetone in staining and higher impact and scratch resistance than HPL).

**Rail Faces:** Rail faces are constructed from extruded 6063 aluminum rails. The rails are reinforced using a mechanically attached steel channel for both mounting clip and structure. The face is epoxy powder coat for durability and application. Rails provide a "slat" wall style mounting system for work tools, monitor arms and accessories. A spring loaded steel clip provides a positive locking system for rail face.

**Glazed Faces:** Glazed faces are constructed from 6063 extruded aluminum components and mechanically fastened to create a "window" structure. The window can be inset with Plexiglas, tempered glass or other 1/4" materials for decorative applications, or can be left open to provide a "pass thru" condition with the frames. The unit is a decorative trim and support face that attach with the use of a spring clip, frame clip and optional locking clip for tempered glass applications.

**Marker Board Faces:** Marker Faces are made of medium density fiberboard with marker board laminated to the face and 2mm band, hot glued under pressure. The laminate is designed for use only with specific wipe off markers. Sliding mounting clips provide positive installation to horizontal rails.

### **Electrical Components:**

All electrical components are UL recognized and designed specifically for office panel systems applications. The system is a UL1286 8 wire power system, designed for a 3+1 application with 4 circuits and 8 wires. Circuits consist of 3 general circuits with a shared ground and neutral and 1 dedicated (isolated) circuit with a separate ground and neutral for this circuit only.

Electrical components can be configured in various combination to suit most field applications and configurations. Power can be supplied from the floor, wall, ceiling or existing "off the shelf" power pole (wiremold or similar with hard wire box at entry point must be capable of handling 8 wires 10/12 gauge).

Power can be supplied in various locations on the frames including raceway, below work surface and beltline applications). Duplex receptacles (15 amp) for each circuit are available. In addition a simplex 20 amp receptacle is available.

Metal painted or fabric covered steel faces are available and required for electrical applications.

Ceiling feed power entry cables are 1/2" mc flex cable. Base feeds are 1/2" liquid (seal) tight cables.

## Data Management:

xXtreme is designed to handle cat 3, 5e and 6 LAN setups with a lay-in capability in front of the frame member instead of running through the panel as in most other systems. It can handle most fiber optic and wire applications including Tempest style secure LAN systems. The system is designed for separate LAN applications for high security and dedicated network applications. Multiple entry points can be used for floor, wall and ceiling applications. Two opening are provided in the metal voice data faces for snap in jack covers. Various standard covers will fit the application from a number of data jack manufactures. A two position cover is available as an optional unit for amp or leviton jacks.

In addition hardware is available for field installation of unmanaged switches inside the frames in a vertical position (air flow faces are available for circulation as well). Specific power setups can also be provided to install switches, hubs or routers inside flipper door cabinets and frames to minimize home room applications to station clusters.

Data cable hangers are available as an optional item. However the design of the product allows direct zip tie application to frame mounting blocks, eliminating the need for cable hangers, unless desired.

## Worksurfaces:

Worksurfaces are available in two different configurations depending on finish and aesthetic options desired.

**xxphusion comfort edge surfaces:** are a thermally molded laminate applied over a medium density fiberboard core. Surfaces are 1.1" thick with melamine stabilizing backer on core. The worksurface is pre bored for field application with mounting brackets. The surface includes a 2" comfort edge detail. The laminate is thermally molded over the entire upper surface and trimmed to prevent chipping of the edges of the laminate. The laminates are tested to NEMA LD 3-4 and are similar in application to high pressure laminate surfaces (exceptions for acetone in staining and higher impact and scratch resistance than HPL). The comfort edge is mitered into corners and detail for a customized appearance. A 1" gap is provided at the rear of the worksurfaces for cable transition behind the worksurface.

**HPL 3mm edge surfaces:** are a contact bonded high pressure laminate covering over a 45# density industrial particle board core with a .030 stabilizing backer sheet applied to the rear of the worksurface. The edge is banded with a 3mm pvc edge band. The glue is applied under pressure and radius edges provide a smooth transition between the laminate and the edge. Laminates are NEMA tested to LD 3-4 for durability and stain resistance. The worksurface is bored for field application with mounting brackets. A 1" gap is provided at the rear of the worksurfaces for cable transition behind the worksurface.

**Brackets for mounting worksurfaces:** A variety of brackets, legs and support cantilevers are available for the mounting of the worksurfaces to the frames and for free standing applications. All metal legs, and brackets are epoxy powder coat mild steel designed for the specific application. Most brackets are designed to work in an off module condition allowing placement of the bracket specific to the need instead of the frame combination. This allows the user to maximize the frame and worksurface combinations for cost and application. Steel thickness for brackets varies from 12 gauge 1008-1010 steel for worksurface support to 16 gauge for cantilever mounting tube.

**Frame mounted storage units:**

All frame mounted storage units are attached to frames using a 13 gauge 1008-1010 steel off module mounting bracket that cam locks into the lower frame member. The bracket provides an adjustable slotted mounting unit for the shelf or flipper door unit.

**Open Shelf:** The open shelf unit is a steel kd unit with a locking clip for application on a mounting bracket for panel or wall application (with wall rail kit). Shelf is mild steel 18-22 gauge in thickness with lower mounting channel for task light (optional). Weight capacity for shelving unit is as follows:

24" open shelf	60 lbs
30" open shelf	75 lbs
36" open shelf	90 lbs
42" open shelf	105 lbs
48" open shelf	110 lbs
54" open shelf	120 lbs
60" open shelf	130 lbs

**Flipper Door Unit:** Flipper door units are complete units with shelf and door assembly. 18-22 gauge mild steel construction for panel or wall application (with wall rail kit). A lower mounting channel is provided for task lights. The door is over the top receding door mounted to ball bearing glide suspension. The door includes interchangeable lock core (LL Series) and locking mounting clip for securing unit to frame bracket. The flipper door is designed for off module mounting applications. Weight capacity for flipper door unit is as follows: 15"h 13.25"d with open back. ships kd for easy installation (requires #2 Phillips screwdriver).

24" flipper door unit	60 lbs
30" flipper door unit	75 lbs
36" flipper door unit	90 lbs
42" flipper door unit	105 lbs
48" flipper door unit	110 lbs
54" flipper door unit	120 lbs
60" flipper door unit	130 lbs

**Pedestals and Lateral Files:**

Pedestals and lateral files are designed to meet or exceed BIFMA standards and have been tested to BIFMA standards. All units are welded steel construction and have locks. Units are available in many combinations.

**Pedestals:**

18, 22, 28" depth

They are available in hanging, support, freestanding and mobile applications. Various drawer configurations including 6/6/12 (box/box/file) and 12/12 (file/file). Security application pedestals are available with individual locking drawers.

## **Pedestals and Lateral Files: (cont'd)**

### **Lateral files:**

Standard 2, 3, 4 and 5 drawer units are available. with 6, 12 and 15" drawer configurations. Rollout, fixed and pull out drawers are available. The units are available with posting shelves and upper cupboard units with bookcases or storage cabinet doors.

Standard widths are 30, 36 and 42". Depth is 17.375"

All lateral files include locks as well as safety interlock mechanism. Counter weights are available to meet specific BIFMA requirements.

### **CONSTRUCTION**

- All-welded steel frame construction, formed in key areas for strength.
- Inner top and side panels consist of 18 - 21 gauge cold-rolled steel.
- Outer wrapper and drawer bin are 22 gauge, drawer fronts are 20 gauge steel.
- Vertical and Horizontal steel channels are reinforced for stability.
- Files and Pedestals include 4 leveling glides to insure proper drawer operation.
- Products are designed to meet or exceed BIFMA Standards.

### **LOCKS**

- Pedestals include LL Series, silver-faced, master-keyed, core removable locks.
- Cabinets are shipped with randomly-assigned keys and cores.
- For key-alike requests there is a service charge. Key alike must be ordered at time of order entry or additional cost will apply.

### **FINISHES**

- Standard metal finishes are either an epoxy polyester powder, electrostatically applied, or a high-solids baked enamel paint finish (color dependant)

### **COUNTERWEIGHTS**

- Freestanding, mobile and cushion pedestals are shipped with a counterweight installed.
- Counterweights are not necessary for work surface supporting and hanging pedestals.
- Freestanding desking pedestals include a counterweight installed to ensure desk stability.
- Counterweights are available for Lateral files which are required to meet certain BIFMA applications unless they are ganged or tied to wall for anchoring.

### **SUSPENSION:**

- Steel Ball Bearing Full Suspension File Drawers. Box Drawers are 3/4 roller bearing suspension.
- 6" drawer dividers, 12" drawer dividers that allow for side-to-side filing, and pencil trays are sold separately.

## Bookcases, Storage Cabinets and Storage Towers:

**Bookcases:** Bookcases are welded with mechanically assembled top for field modification. All units are double walled, with 1/2" adjustment for shelves. The unit includes leveling glide for 5/8" leveling. Shelves are adjustable. Units are open with 13.375" depth, available 30, 36 and 42" width, steel construction. Load capacities are:

30" shelves	70 lbs
36" shelves	85 lbs
42" shelves	100 lbs

**Storage Cabinets:** Units are locking steel cabinet with shelves adjustable on 2" centers. Locking steel doors with 18 gauge top and 20-22 gauge side wall. Cabinet includes leveling glides with 7/8" leveling. Cabinet comes with central lock unit. Load capacities are:

30" shelves	70 lbs
36" shelves	85 lbs
42" shelves	100 lbs

**Storage Towers:** Locking steel cabinets with wardrobe unit on one side, pedestal and cupboard on other side (available LH or RH). Unit has two lock units (keyed alike). Available in 52" and 65" units. Unit has safety interlock unit. The tower is 23.5"w x 23.5"d. doors include European style adjustable hinges.

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