

FORT KNOX Modular Utility Storage and Workbench System Specifications

General: All modular components shall be "FORT KNOX Modular Utility Storage and Workbench System" components as manufactured by Hallowell or approved equal. All workbench pedestals, cabinets and lockers shall be factory-assembled, of all MIG welded construction. Assembly of these component bodies by means of bolts, screws, or rivets will not be permitted. Welding of knock-down construction components is not acceptable. Grind exposed welds and metal edges flush and make safe to the touch.

Workbench metal components shall be GREENGUARD Children & Schools Certified SM

Finishing: All locker parts to be cleaned and coated after fabrication with a seven-stage hot-spray washing process and coated with a zirconium-based nanoceramic conversion coating providing a green alternative to traditional iron phosphate followed by a coat of high-grade custom blend powder electrostatically sprayed and baked at 350 degrees Fahrenheit for a minimum of 20 minutes to provide a tough durable finish.

FORT KNOX Cabinets:

Cabinet Doors: Left and right doors shall be fabricated from single sheet prime 14-gauge sheet steel with single bends at top and bottom and double bends at the sides. Doors shall include a 3" wide 18-gauge full height channel door stiffener MIG welded to the hinge side of the door as well as to the top and bottom door return bends and spot welded to the inside of the door face to form a rigid torque-free box reinforcement for the doors. The latching mechanism located in the right-hand door shall be a 3-point projecting, brushed nickel finished, extra heavy-duty turn-handle mechanism designed to positively engage frame at the top and bottom as well as to the center of the left-hand door. The vertical lock rods shall be fabricated from 3/8" diameter round rod. Steel-pry resistant retainers are to be securely welded to inner door face midway above and below the handle. Lock rod guides shall be welded to the inner top and bottom door flanges of the right-hand door ensuring proper engagement between the lock rods and locker frame when the door is in the locked position. Locking devise shall be designed for use with either built-in locks or padlocks (not included). Doors are non-vented.

Cabinet Hinges: Hinges shall not be less than 13 gauge continuous piano type, securely riveted to frame and welded to the door.

Cabinet Frame/Vertical Side Panels: Shall be of integral frame and side wall construction manufactured from 14 gauge sheet steel. The one-piece side /frame shall be formed to provide a continuous door strike. Sides shall include a welded-in shelf support channel with punched keyholes allowing bolt-in shelves to be adjustable on 3" centers. Sides to be solid.

Cabinet Base: Shall be 14 gauge formed from a single sheet with double return flanges at all four sides for maximum rigidity. Base is to be formed with an off-set at front acting as a bottom door strike.

Cabinet Tops: Shall be formed of one piece of 14 gauge sheet steel and shall be an integral part MIG welded to each vertical side panel frame members. Top shall include a down bend at front to form an upper door strike.

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Cabinet Shelves: Shall be formed of a single piece of 14 gauge sheet steel, have double bends at front and single bends at sides. Shelves adjustable on 3” centers. Four shelves per cabinet is standard.

Cabinet Backs: Shall be welded to top, bottom and sides.

Optional Cabinet Drawer: Shall be fabricated of single sheet of 14 gauge prime grade steel and be welded on all four corners to form a rigid drawer unit. Drawer shall include an integral drawer pull. Drawers shall be supported by bolt-in 14 gauge formed and welded brackets. Drawer glides shall be extra heavy-duty 500lb capacity glides.

FORT KNOX Workbench Pedestals:

Pedestal Doors: Left and right doors shall be fabricated from single sheet prime 14 gauge sheet steel with single bends at top and bottom and double bends at the sides. The latching mechanism located in the right-hand door shall be a 3-point projecting turn-handle mechanism designed to positively engage frame at the top and bottom as well as to the center of the left-hand door. The vertical lock rods shall be fabricated from 3/8” diameter round rod. Steel-pry resistant retainers are to be securely welded to inner door face midway above and below the handle. Lock rod guides shall be welded to the inner top and bottom door flanges of the right-hand door ensuring proper engagement between the lock rods and locker frame when the door is in the locked position. Locking device shall be designed for padlocks (not included). Doors are non-vented.

Pedestal Door Hinges: Hinges shall not be less than 16 gauge continuous piano type, securely riveted to frame and welded to the door.

Pedestal Drawers: Drawer faces shall be fabricated from heavy 14 gauge sheet steel and include a brushed nickel finish bolt-on drawer pull handle (field attached). Drawer body shall be fabricated from 16 gauge sheet steel. Drawer glides shall be heavy-duty 150lb capacity glides.

Pedestal Frame/Vertical Side Panels: Shall be of integral frame and side wall construction manufactured from 16 gauge sheet steel. The one-piece side /frame shall be formed to provide a continuous door strike. Sides to be solid.

Pedestal Base: 16 gauge formed sheet steel with double return flanges at the front and rear. A full depth horizontal channel shall be MIG welded under the unit bottom front-to-back at both sides of each welded unit for maximum rigidity.

Pedestal Flat Tops: Shall be formed of one piece of 16 gauge cold rolled sheet steel and shall be an integral part MIG welded to both vertical side panel frame members.

Pedestal Backs: Shall be 18 gauge cold rolled sheet steel and be welded to each vertical side panel.

FORT KNOX Workbench Tops:

Workbench Tops: Shall be 1-3/4” thick and available in three surface types: laminated hardwood, composite core resin board shop top and 12 gauge steel with double bends at front and back.

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FORT KNOX Workbench Accessories:

Pegboard Panels: Shall be fabricated of 16 gauge prime sheet steel and formed on all four sides for rigidity. Holes shall be 9/32" with 1" spacing. Panels shall be designed for mounting to both walls and FORT KNOX cabinets and lockers.

Pegboard Shelves: Shall be fabricated of 16 gauge prime sheet steel with single bends on all four sides for strength. Shelves shall be 5" deep and mount to pegboard.

Pedestal Shelf: Shall be 16 gauge cold rolled sheet steel with double bends at front and back and single bend at sides for strength. Designed to span between adjacent workbench pedestals.

Side and Back Rail Kit: Shall be fabricated of 16 gauge prime sheet steel and span full depth on both sides and width at back of workbench top. Designed to prevent items from sliding off of workbench tops. For use with stand-alone workbenches only.

Light Kit: Shall attach to pegboard to provide work surface lighting.

Electrical Power Bar: Shall provide additional power when required and match both 60" and 72" wide workbench tops.

FORT KNOX Lockers:

Locker Doors: Shall be fabricated from single sheet prime 14 gauge steel with single bends at top and bottom and double bends at the sides. The channel formed by the double bend at the latch side is designed to fully conceal the lock bar. Doors shall include a 3" wide 18 gauge full height channel door stiffener MIG welded to the hinge side of the door as well as to the top and bottom door return bends and spot welded to the inside of the door face to form a rigid torque-free box reinforcement for the doors. All locker doors shall be non-vented.

Locker Recessed Handle: All locker doors shall have a seamless drawn 304 stainless steel recessed handle shaped to receive a padlock or built-in combination lock (not included). The recess pan shall be deep enough to have the lock be completely flush with the outer door face. A finger lift/padlock hasp shall protrude through the top of the handle for easy opening of the locker door.

Locker Latching: The latching mechanism shall be finger lift control type constructed of 14 gauge (minimum) steel with a nylon cover that has a generous finger pull. Spring activated nylon slide latches shall be completely enclosed in the lock channel allowing doors to close with the lock in the locked position. Locking device shall be designed for use with either built-in combination locks or padlocks. Latch hooks shall be 12 gauge (minimum) and shall be MIG welded to vertical frame member. Provide three latch hooks for doors 48" and over and two for doors under 48".

Locker Door Hinges: Hinges for wardrobe doors shall not be less than 16 gauge continuous piano type, securely riveted to frame and welded to the door. All doors shall be right hand side hinged.

Locker Drawers: Drawer faces shall be fabricated from heavy 14 gauge sheet steel and include a brushed nickel finish bolt-on drawer pull handle (field attached). Drawer body shall be fabricated from 16 gauge sheet steel. Drawer glides shall be heavy-duty 150lb capacity glides.

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Locker Frame/Vertical Side Panels: Shall be of integral frame and side wall construction manufactured from 16 gauge sheet steel. The one-piece side /frame shall be formed to provide a continuous door strike. Sides to be solid.

Locker Base: 16 gauge formed sheet steel with double return flanges at the front and rear. A full depth horizontal channel shall be MIG welded under the locker bottom front-to-back at both sides of each welded locker for maximum rigidity.

Locker Flat Tops: Shall be formed of one piece of 16 gauge cold rolled sheet steel and shall be an integral part MIG welded to both vertical side panel frame members.

Locker Shelves: Shall be 16 gauge sheet steel and have double bends at front and single bend on sides for maximum strength:

- Full height locker – one fixed CRS upper shelf and four stainless steel shelves adjustable on 2” centers
- Locker/drawer combo – three stainless steel shelves adjustable on 2” centers

Locker Backs: Shall be 18 gauge cold rolled sheet steel and be welded to each vertical side panel.

FORT KNOX Shelving:

General: FORT KNOX shelving shall consist of four posts, five levels of beams on all four sides with a center support at each level.

Shelving Posts: Shall be Rivetwell™ angle posts, 1-1/2" x 1-1/2" x 14 gauge cold rolled steel corner post uprights.

Shelving Beams (up to 36” long): Shall be Rivetwell double rivet angle beams (standard-duty), 2-3/4" x 1" x 16 gauge cold rolled steel horizontal beams.

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Shelving Beams (48” long): Shall be Rivetwell double rivet angle beams (heavy-duty), 2-3/4" x 1" x 14 gauge cold rolled steel horizontal beams.

Shelving Center Support: Shall be Rivetwell center support, 2-3/4" x 1" x 1" x 16 gauge cold rolled steel, bolted between front and back beams.

Shelving Deck Options: Shelving shall be available in two deck material options.

- Particle Board Decking: Shall be type 1-M-2, 5/8" industrial grade.
- EZ-Deck Decking: Shall be 22 gauge galvanized formed sheet steel in 6" deep planks. Multiple planks are used to achieve shelving unit depth.

Warranty: Hallowell FORT KNOX Modular Utility Storage and Workbench System components are covered against all defects in materials and workmanship excluding finishing, damage resulting from deliberate destruction and vandalism under this section for a period of one year.