

Hallowell[®] Hi-Tech[®] Shelving Specifications

Shelving shall be **GREENGUARD Children & Schools CertifiedSM**

Beaded Front Posts: Fabricated from 14 gauge cold rolled steel and roll formed into an 11/16" wide x 2-9/16" deep tubular section. Rear flanges are welded on 6" centers to provide maximum strength. Sides of the post are punched 1-1/2" on center with 3/8" x 7/8" rectangular slots to receive shelf clip. Rear flanges of the post have holes punched on 3" centers for the attachment of side sway braces or field attached solid side panels. Provide (1) Beaded Front Post between each adjoining section and at row ends.

Angle Back Posts: Fabricated of 14 gauge cold rolled steel and roll formed into a modified unequal angle shape. The long leg shall have holes punched on 1-1/2" centers with 3/8" x 7/8" rectangular slots to receive shelf clip. The leading edge shall have holes punched on 3" centers for the attachment of side sway braces. The short leg shall have holes punched on 3" centers for the attachment of back sway braces or back panels. Provide (1) Angle Back Post at each row end for open-type shelving applications.

T-Posts: Shall be fabricated of two angle back posts. The posts are welded together back-to-back to form a "T". Welds are on 6" centers for maximum strength. Posts are used for intermediate back post applications. Provide (1) T Post between each adjoining section for open and closed type shelving applications.

Post Splice Channels: Fabricated from 16 gauge cold rolled steel and formed into a 11/32" x 1-1/8" x 11/32" channel. 1-1/8" flange is punched with four holes for assembling to upper and lower posts. Provide at all post splices when additional height is required.

Side Sway Braces: 1" x 11 gauge cold rolled steel strip with safety edges to eliminate sharpness. The center of two identical pieces shall be punched to be bolted together forming an "X". Ends shall be radiused and punched for attaching to front and back posts. Provide between adjoining sections and at row ends for open-type shelving applications.

Back Sway Braces: 1" x 11 gauge cold rolled steel strip with safety edges to eliminate sharpness. The center of two identical pieces shall be punched to be bolted together forming an "X". Ends shall be radiused and punched for attaching to two back posts. Provide at back of all open-type shelving applications.

Back Panels: Fabricated from 24 gauge cold rolled sheet steel. The two outer edges and the center shall be punched with 5/16" diameter holes on 1" centers running vertically for assembling to back posts. The center row is used to attach to rear of shelf using Back Clips. Provide at back of closed-type shelving sections.

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End Panels: Fabricated from 24 gauge cold rolled sheet steel. The full height panel is welded to a Beaded Front Post and an Angle Back. Provide at row ends of closed-type shelving applications or where closed ends are desired on open-type shelving applications.

Side Panels: Fabricated from 24 gauge cold rolled sheet steel. The full height panel is field bolted to front and back posts. Provide at all side locations for closed shelving sections.

T-Panels: Fabricated from 24 gauge cold rolled sheet steel welded to a Beaded Front Post and a T Post. Provide between sections of closed-type shelving applications.

Foot Plates: 2-1/4" x 3-1/2" x 12 gauge steel plate with angle bracket welded on top. The angle bracket is punched for fastening to front and back posts. The plate shall have a 7/16" diameter hole punched on one end for floor anchoring and be embossed on the other end for Shim Plate alignment. Provide as required for floor anchoring or when shimming is required for a level installation.

Shim Plates: 2-1/4" x 3-1/2" x 16 gauge cold rolled sheet steel. Fabricated to fit under the Foot Plate. One end is embossed to fit into the embossment in the Foot Plate to keep them properly aligned. The other end shall have a 7/16" diameter hole to allow floor anchoring. Provide as required when shimming is required for a level installation.

Shelves -Medium Duty: Formed with two ribs along the horizontal front and rear edge and are stamped on the top left corner for identification. Class 0 shelves are fabricated from cold rolled steel and have roll formed rectangular tubular shaped front and rear edges with return bends resistance welded to the under side of shelf. Welds are spaced 3" on center to provide maximum strength. Sides are triple flanged to form a channel. All four corners are lapped and resistance welded to provide a rigid corner and add extra strength to the shelf. Top surface shall be punched for attaching Shelf Dividers from left to right on 1-1/2" centers, front and back, for 36" wide x 12", 15", 18" and 24" deep shelves. All other sizes are punched on 3" centers. Front and rear surfaces are punched for attaching accessories. Tubular front edge is designed to protect against impact loads. Used for uniformly distributed loads up to 400 pounds.

Shelves –Heavy Duty: Formed with two ribs along the horizontal front and rear edge and are stamped on the top left corner for identification. Class 1 shelves are fabricated from heavy gauge cold rolled steel and have roll formed rectangular tubular shaped front and rear edges with return bends resistance welded to the under side of shelf. Welds are spaced 3" on center to provide maximum strength. Sides are triple flanged to form a channel. All four corners are lapped and resistance welded to provide a rigid corner and add extra strength to the shelf. Top surface shall be punched for attaching Shelf Dividers from left to right on 1-1/2" centers, front and back, for 36" wide x 12", 15", 18" and 24" deep shelves. All other sizes are punched on 3" centers. Front and rear surfaces are punched for attaching accessories. Tubular front edge is designed to protect against impact loads. Used for uniformly distributed loads up to 800 pounds.

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Shelves –Extra Heavy Duty: Formed with two ribs along the horizontal front and rear edge and are stamped on the top left corner for identification. Class 2 shelves are fabricated from extra heavy gauge cold rolled steel and have roll formed rectangular tubular shaped front and rear edges with return bends resistance welded to the under side of shelf. Welds are spaced 3" on center to provide maximum strength. Sides are triple flanged to form a channel. All four corners are lapped and resistance welded to provide a rigid corner and add extra strength to the shelf. Top surface shall be punched for attaching Shelf Dividers from left to right on 1-1/2" centers front and back, for 36" wide x 12", 15", 18" and 24" deep shelves. All other sizes are punched on 3" centers. Front and rear surfaces are punched for attaching accessories. Tubular front edge is designed to protect against impact loads. Used for uniformly distributed loads up to 1,200 pounds.

Shelf Clips: Shall be a one piece compression clip drawn from 13 gauge cold rolled steel and zinc plated. Fits snugly against side of post to hold shelves in place. Provide four per shelf.

Base Strip: Made from 22 gauge cold rolled steel offset at top to fit behind the front flange of shelf. Punched for bolting to holes in the front flange of shelf. Bottom is flanged to resist bending.

Label Holders: Made from 22 gauge cold rolled steel. Punched on ends and center for attaching to the front edge of shelves with top and bottom edges folded over to accommodate labels 1" high.

Bin Fronts: Fabricated from 18 gauge cold rolled steel. The top edge is formed into a bead. The bottom shall be triple flanged to telescope over shelf flange and punched to provide a means of attaching to shelf.

Full Dividers: Fabricated from 20 gauge cold rolled steel. The front edge is beaded. Top and bottom shall be flanged and punched to provide a means of attaching to shelves. The back edge is flanged to provide rigidity. Dividers are installed using snap-in nylon fasteners.

Partial Dividers: Fabricated from 22 gauge cold rolled steel. The top corners are radiused for increased safety. The bottom flange is punched to provide a means of attaching to shelf. Dividers are installed using snap-in nylon fasteners.

Swinging Doors: Fabricated from 20 gauge cold rolled steel with box flanges on all four edges. Swinging doors shall be reinforced with a steel pan type panel inside the door. Doors are bolted to a welded door frame consisting of top and bottom channels and angles at the sides. The door frame side angles are punched on 1" centers for attachment. Universal Clips shall be supplied to attach door & frame assembly to the Beaded Front Posts. One chrome finished turn handle with built-in cylinder key lock shall be included providing three point positive locking.

Universal Clip: Fabricated from 16 gauge cold rolled steel formed into an angle with three slotted holes on one flange and one long slot in the other flange, which is also offset to fit in Beaded Front Post. Provide when Swinging Doors are required.

Color for all painted components: Shall be #725 Hallowell Gray.