

## Hallowell® H-Post High Capacity Open Shelving Specifications

Shelving shall be **GREENGUARD Children & Schools Certified<sup>SM</sup>**

**H-Posts:** Fabricated from 14 gauge cold rolled steel and roll formed into an 1-1/2" wide x 2-15/16" 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. Post front is slotted on 3" centers for beam connection and combination clip attachment and is punched on 3" centers for field attached back connector strips. Provide (2) H-Posts between each adjoining section and at row ends.

**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.

**Foot Plates:** 2-1/4" x 3-1/2" x 11 gauge steel plate with mounting bracket welded on top. The bracket is punched for fastening to H- 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.

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**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.

**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.

**Color for all painted components:** Posts and side sway braces shall be Hallowell #707 Marine Blue, Shelves and back sway braces shall be Hallowell #711 Platinum.