

## **Heavy Duty Locker Specifications**

**General Design:** Steel Lockers are to be welded body construction. Doors to be provided with single point lock as detailed in this specification.

**Materials:** Heavy Duty Lockers as well as all Tennsco products are fabricated of high quality, hot and cold rolled carbon steel, free of scale or rust and fully pickled. Exposed edges, corners, and surface areas are free of sharp edges and all workmanship is of the highest quality as measured by the industry.

**Finish:** All steel components shall be thoroughly cleaned and phosphatized for rust resistance in a five-stage pre-treatment process. A high grade of polyester / epoxy powder paint is to be applied electrostatically with a gloss reading of between 55 and 65. The finish shall have a salt spray rating of 250 hours or more.

**Gauges:** All doors are 14 gauge, Frames are 16 gauge, Sides are 16 gauge. Top, Shelf and Bottom are 16 gauge. Backs are 18 gauge.

**Doors:** To be formed from one piece with right angle flanges on all four edges and two formations on hinge and lock sides.

**Hinges:** Shall be two inches high. Five knuckle, full loop, tight pin style securely welded to the frame and riveted to door. Locker doors over 42" high shall have three hinges. Doors 42" or less shall have two hinges.

**Locking Mechanism:** Lockers latching mechanism shall have zinc plated hasp attached to the door and the corresponding hasp that is welded to the locker frame. Doors can be secured with either a padlock or a built-in lock.

**Door Frames:** Vertical members shall be formed from 16 gauge steel into a channel shape with an extra return bend to provide a continuous full height door strike. Horizontal members shall be formed from 16 gauge steel into a channel shape and resistance welded to the frames with precision fixtures. Intermediate horizontal members shall be welded on double and triple tier locker frames.

**Body Parts:** Shall be fabricated from 16 gauge steel, while the back is 18 gauge. Backs to be one piece construction without holes for clean appearance. Sides to be offset at front to fit flush inside the frame, rear flange formed at right angles to fit around the back. The front flange of the sides shall be punched to secure the frame assembly; otherwise there shall be no other holes. Tops, bottoms and shelves shall be formed at right angles on all four sides. The front shelf flange shall have a triple bend for safety.

**Standard Equipment:** All single tier lockers to be provided with a hat shelf. Double tier lockers do not have a hat shelf. All single tier lockers less than 18" deep to be provided with one single-prong hook on side and at the back. All single tier lockers 18" and 21" deep to be provided with one single-prong hook on each side and coat rod. All single tier lockers 24" deep shall be provided with three single-prong hooks and a coat rod. All double tier lockers shall be provided with one single-prong hook on each side and at the back. All hooks will have a ballpoint.

**Assembly:** Assembly of all set-up locker bodies shall be by electric spot welding using precision jigs. Spot welds are to be 6" on center to provide maximum strength and rigidity. All hooks are to be permanently spot-welded to locker for strength and safety. Frames to be riveted to body of locker. Door hinges and bumpers to be spot-welded to frame members. Doors to be riveted to hinges (one per hinge).

**Installation:** Lockers should be installed level and square. For user safety, lockers must be secured to the wall and/or floor prior to operation. Adjacent lockers should be bolted together.