

## LT Hinged Doors/Frames Specifications

**Materials:** LT Hinged Doors/Frames as well as all Tennsco products are fabricated of high quality, 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.

**Header And Sill:** The header is 16 ga. steel, formed into a 1" wide and 1 1/4" deep "C" channel formation having 9/16" formation on the bottom leg of the header. The header is slotted to accept the lock bar from the three locking system. The header is welded to the door frame making it an integral part of the frame assembly.

**Door Frames:** The door frames are 16 ga. steel, formed into a 7/8" channel formation with one leg of the channel being 1 7/32" and the other leg being 7/8". The door frames are equipped with three hinges welded to each door frame on the 40" cabinets. Hinges are recessed into the frame to ensure a tight uniform fit of the doors. The door frames are welded to the header and sill, creating a rigid welded frame assembly. Door frames are equipped with four frame lugs that are welded to each door frame for 64", 76", 88" and two lugs welded to each door frame on the 40" cabinets.

**Frame Hooks:** Frame hooks are 16 ga. steel, formed into a 1 11/32" channel formation with one leg of the channel being 2" and the other leg being 9/16". The frame hooks are inserted at the top end of each corresponding upright in front of the cabinets and door frames are temporarily secured.

**Hinged Door Clips:** Hinged door clips are 12 gauge steel, formed

into a 5/8" channel formation with one leg of the channel being 3/4" and the other leg being 15/16". The hinged door clips have a 1/4-20 hole tapped on the 3/4" leg to secure the clip into each side of the uprights and apply pressure to the frame lugs to secure the door frame assembly.

**Hinges:** Hinges are semi-concealed, four knuckle, tight-pin, 16 ga. fully looped hinges that are welded to frames and riveted to the door. There are three hinges per door on 64", 76", 88" cabinets and two hinges per door on 40" cabinets.

**Doors:** Doors are formed from 20 ga. steel with a 3/4" flange on the top and bottom. The doors are 1" thick with a channel formation on the edges. The door strike on the left hand door is hemmed for a smooth uniform edge. The doors are reinforced with a full-length door stiffener that is 4" wide and 25/32" high. The doors are designed in such a way to accept the three point locking system.

**Handles:** The cabinet has a plastic and steel recessed handle. The handle has a built in lock and locks both door, making the opening and closing of dual swing out doors easy.

**Three Point Locking System:** The cabinet is equipped with a secure three point locking system. The system consists of a lock cam that secures the two doors together and two 5/8" x 1/8" locking bars that locks the right door securely into the header and sill. The left door is held securely by the right door. The lock mechanism is operated by turning the right handle, and the two lock bars operate smoothly with a cam and nylon silencers.

**Bolts & Nuts:** Bolts & nuts consist of a sealed plastic bag with 1/4-20 phillips headed bolts with hex nuts. All bolts have flush heads and are zinc or chrome plated.