# Welded Bookcase Specifications

**Materials:** Welded Bookcases 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.

**Sides:** Sides are formed from 22 gauge steel. Sides have a 7/8" 90 degree flange on the back and a 1" x 7/16" channel on the front. Sides have two welded strips of dog ear lances to secure the shelves and allow shelf adjustability on 2 5/64" centers. Every third dog ear is shaped different to make installation and lineup of shelves easier.

**Back:** Backs are formed using 22 gauge steel. Back is inserted to a fixture and resistance welded to inside flange of sides, top and bottom of units for strength and durability.

**Top:** Tops are formed using 22 gauge steel and have 1 11/16" box formation on front and 1 1/32" 90 degree flange on back and sides. Top has manufacturer's name plate on front of box formation.

**Bottom:** Bottoms are formed using 22 gauge steel and have 1 11/16" box formation on front and 1 1/32" 90 degree flange on back and sides. Bottom has four 1/2" diameter. Plastic feet supply stability.

**Shelves:** Shelves are formed using 20 gauge steel and have 3/4" 90 degree flange on both ends. The front of shelf has a 3/4" box formation for added strength and the back is a 3/4" x 1/2" channel formation. The shelf hooks into the dog ear lances on the sides and are adjustable on 2" centers.