

## **Four-Post L&T Shelving Specifications**

**GENERAL SPECIFICATIONS:** The shelving is a four post style design consisting of three basic components: uprights, shelves, and shelf supports: There are no sway braces, gussets, clips, nuts or bolts nor special tools required for assembly. The shelving has a clean appearance without holes or exposed surfaces except where shelves, back stops, and center stops are slotted or punched for file dividers, and the shelf center is punched for center stops. The front and back flanges of the shelf are flush with the outside face of the post. Shelves are adjustable on 1 ½" centers.

**MATERIAL AND WORKMANSHIP:** The shelving is made from only the finest materials and highest quality workmanship. The sheet metal is commercial quality steel fully pickled or equivalent.

**OPEN UPRIGHTS:** Open uprights are formed of 18-gauge cold roll steel, rolled into a 2" wide hollow "T" or 1" wide hollow "L" shape with keyslot holes punched on 1-½" centers along the inner wall. There are no holes on the face of the post. The front and back posts are joined by welded 18-gauge 3" high spacers to maintain the required distance apart and add rigidity to the assembly. Top and bottom spacers have 11/16" stiffening flange with two ¼" holes to allow securing to the floor or mobile base. Center spacers are flat strips. All uprights 64" high or less plus uprights 76" to 88" high that are less than 30" deep have three spacers. All other uprights have four spacers. The "L" uprights are used for row ends and the "T" uprights are used as common intermediate uprights.

**CLOSED UPRIGHTS:** Closed uprights have the same specification as open uprights except the spacers are replaced by welding a 24-gauge closure sheet with a stiffener flange at the bottom of the closure sheet. The flange has two ¼" holes to allow securing to the floor or mobile base.

**THIN SHELVES:** Shelves are formed of 22-gauge cold roll steel with 25/32" high channel formation on all sides. Return flange is formed 120° permitting easier installation. Optional Slotted Shelves have shelf divider slots punched on 2" centers. Two supports required per shelf.

**HEAVY SHELVES:** Shelves are formed of 18-gauge cold roll steel with 1-7/32" high channel formation on all sides. Return flange is formed 120° permitting easier installation. Shelves available punched with divider slots or holes on 2" centers for use with X-Ray X or B type dividers. Two supports required per shelf.

**THIN SHELF SUPPORTS:** Shelf supports are formed of hot roll pickled steel, 36" from 14-gauge and 42" & 48" from 11-gauge, 11/16" high with flat ears at either end. Semi-tubular rivets with 7/16" diameter head is staked onto ears, four rivets for each support, to set into the keyslot holes of the Open and Closed Uprights.

**HEAVY SHELF SUPPORTS:** Shelf supports are formed of 11-gauge hot roll pickled steel, 1-1/8" high with flat ears at either end. Semi-tubular rivets with 7/16" diameter head is staked onto ears, four rivets for each support, to set into the keyslot holes of the Open and Closed Uprights.

**SINGLE RIVET BOTTOM SHELF SUPPORTS:** Shelf supports are formed of 14-gauge hot roll pickled steel, 1-1/8" high with flat ears at either end. Semi-tubular rivets with 7/16" diameter head is staked onto ears, two rivets for each support, to set into the keyslot holes of the Open and Closed Uprights to allow the bottom of the support to fit flush with the floor.

**SHELF REINFORCEMENTS:** Reinforcements are formed of 13-gauge hot roll pickled steel. Thin Shelf Reinforcements are 39/64" high with two 23/64" deep slots to fit over the short leg of the front and back Thin Shelf Supports. Heavy Shelf Reinforcements are 1-3/64" high with two 29/64" deep slots to fit over the short leg of the front and rear Heavy Shelf Supports or the Single Rivet Bottom Shelf Supports.

**SLOTTED BACK & CENTER STOPS:** Slotted stops are formed from 18-gauge cold rolled steel with Faces slotted on the same centers as the Slotted Shelves to receive and retain File Divider tabs. The 2" x 7/16" channel formation Back Stop has one shoulder rivet at each end to set into the keyhole slots on the inside face of the back uprights to provide a stop along the back edge of a single entry shelf. The 4" high Center Stop with shelf attachment holes on the 9/16" bottom flange and a box channel, slotted on each side, at the top provides a left-to-right divider across a shelf to create equal depth openings from both directions on double entry shelf.

**FINISH:** All steel parts are thoroughly cleaned in a multistage washer including the application of a phosphate coating. This results in superior paint adhesion and rust resistance. A durable baked on Powder Coat is applied for a high-quality finish. Coverage is capable of withstanding a minimum of 250 hours salt spray test per (ASTM) method number B-117 in a salt spray chamber as well as all normal resistance of a quality finish.