



L & T SHELVING SYSTEM GENERAL SPECIFICATIONS

The shelving is a four post style design consisting of three basic components: uprights, shelves and shelf supports. No clamps or special tools are required for assembly. There are no sway braces, gussets, nuts or bolts to slow assembly, or detract from form or function. The shelving has a clean appearance without holes on exposed surfaces except where the 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 1/2" 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 UPRIGHT

Open uprights are formed of 18 gauge cold rolled steel, rolled to a 2" wide hollow "T" or 1" wide hollow "L" shape with key slots punched on 1 1/2" centers along the inner wall only. There are no holes on the face of the post. The front and back posts are joined by welding 18 gauge spacers to maintain the required distance apart and add rigidity to the assembly. Center spacers are 3" high flat strips. Top and bottom spacers have a 1/16" stiffening flange with two 1/4" holes to allow mounting to floor or mobile bases. All uprights 64" high or less have three spacers. Uprights 76" to 88" high that are less than 30" deep have three spacers. All other uprights have four spacers. The "T" uprights are used as common intermediate uprights and "L" uprights are used for new ends.

CLOSED UPRIGHT

Closed uprights have the same specification as open uprights except the 18 gauge spacers are replaced by welding a 24 gauge closure sheet with a special offset stiffener flange at the bottom of the closure sheet. The flange has two 1/4" holes to allow securing to floor or mobile base.

HEAVY AND X-RAY SHELF

Shelves 12" deep or less are formed of 20 gauge cold roll steel with a 25/32" high channel formation with return flange over-bent to 120° permitting easier installation. Shelves available with slots or 9/32" diameter holes on 2" centers to use with X-ray dividers and bin dividers respectively. Outermost slots on X-ray shelves coincide with the inner edge of the post so divider can be used to prevent X-ray jacket from leaning into upright.

THIN AND LIBRARY SHELF

Shelves are formed of 22 gauge cold roll steel with a 25/32" high channel formation on all sides. Return flange is formed to 120° permitting easier installation. Slotted shelves have shelf divider slots on 2" centers. Outermost slots on thin shelves coincide with the inner edge of the post so a file divider can be used to prevent files from leaning into upright. Shelves 18" or deeper are punched for center slots.

SHELF SUPPORT

Shelf supports are formed of 14 gauge (also available in 11 gauge) hot roll pickled steel, 1 1/16" high with flat ears at either end. Semi tubular rivets with a 7/16" diameter head are staked onto ears. Shelf supports for heavy and X-ray shelving are the same as the above

except they are 1 1/8" high. Supports are available with single or double rivets. The bottom of single rivet heavy supports can fit flush with the floor, and single rivet thin supports are optional on intermediate levels.

SHELF REINFORCEMENT

Reinforcements are formed of 13 gauge hot roll, pickled steel. Heavy shelf reinforcements are 1 3/64" high with two 29/64" deep slots to fit over the short leg of a heavy shelf support. Thin shelf reinforcements are 39/64" high with two pair of 23/64" deep slots. The inner and outer slots fit over the short leg of the double and single shelf support respectively

BACK STOP

Back stops are formed of 18 gauge steel with a 7/16" channel formation at the top and a 7/16" stiffener flange at the bottom. The face is slotted on the same centers as the shelf to receive and retain file divider tabs. Ends have one shoulder rivet with a 7/16" diameter head. Rivets are set in keyholes on the inner wall of the back upright posts. Back stops also act as a stop for files and are used on single entry only.

FRONT BASE

Front bases are constructed from 20 gauge steel. They are a flat strip with one 9/16" stiffening flange across the bottom edge. Front bases are available in heights of 2" or 4".

CENTER STOP

Center stops are formed of 18 gauge cold roll steel. They are 4" high with mounting holes on the 9/16" bottom flange and a 9/16" box channel at the top, which acts as a back stop with equal filing depth from both directions. The face is slotted to retain file dividers on the same centers as shelves. Center stops are attached to the center of double entry shelves with plastic plugs or bolts and nuts. X-ray center stops are the same as above except overall height is 7".

FILE DIVIDER

File dividers are stamped from 20 gauge steel with two embossed tabs to enter matching slots in the shelf and a retaining tab on the back edge to locate and stabilize the divider against the back stop or center stop. Dividers are self locking on the shelf, are 8" high and available in depths of 8" or 11".

X-RAY FILE DIVIDER

X-Ray file dividers are the same design as the letter size except they are stamped from 18 gauge cold roll steel. The dimensions are 15 1/2" deep x 12" high.

BACK

Backs are formed from 24 gauge cold roll steel and are held in place by reverse flanges on each side. The side edges are formed in two reverse 90° bends to provide flanges 3/8" and 5/16" wide. The flanges fit around the post and hold the back in place by retaining the flanges between the shelf support, the notch in the shelf and the post. The top and the bottom of the back have stiffeners for additional strength. Backs of 88" high or less are of one piece construction, while backs over 88" high are of two piece construction, connected with a black splice.

SLIDING REFERENCE SHELF

Reference shelves are formed of 18 gauge steel and are attached to the underside of shelf supports where needed. The reference shelf extends 9" from the face of the shelf. Reference shelves operate on ball bearing extension slides and can be mounted alone on single face units or back-to-back on double face units.

SHELF BIN DIVIDER

Shelf bin dividers are manufactured of 22 gauge cold roll steel. The front has a 3/8" wide bead for rigidity and to eliminate sharp corners. The top and bottom have 3/4" flanges with elongated holes through which plastic plugs or nuts and bolts may be used to attach dividers to the shelf.

SLIDING DOOR

Sliding doors are formed of 20 gauge steel and are in a frame of 18 gauge steel. Doors roll on steel rollers in two tracks set in the bottom of the frame member. Sliding doors add 3" to standard depths. The door set includes a lock and hardware.

HINGED DOOR UNIT

Doors are formed of 20 gauge cold roll steel with a pan stiffener for extra rigidity. Door frame components are formed of 16 gauge cold roll steel and welded into a rigid framework. The unit comes fully assembled and mounts to shelving uprights. The right door has a satin finished locking handle with a three point locking mechanism. The left door has a matching handle screwed into place. The door unit protrudes 1 7/16" in front of the shelving.

T BAR SUPPORT

T Bar supports are formed of 11 gauge hot roll pickled steel. The supports have an "L" formation to accept T Bars for EDP printout storage. T Bar supports are available in burst or un-burst versions.

TAPE SEAL BAR

Tape seal bars are formed of 18 gauge cold roll steel with 36 [5/8"] square slots on a 36" bar. Tape seals rest on a double hem with no sharp edges exposed to the tape. The tape seal bar is mounted on two 14 gauge cold roll steel supports. Tape seal bars can be installed in 12" deep units as single entry or 24" deep units as double entry. Tape seal bars are available with a fixed anti-sway bar or with a spring-loaded bar for easier retrieval of tapes.

COLOR SELECTION

In-Stock Colors: Sand and Light Grey

<i>Standard Colors:</i> Black	Teal	Ocean
Medium Grey	Cloud Blue	Gray Mist
Champagne / Putty	Cocoa	Pebble Tan
Arctic White	Buff	
Oyster	Wine	

Custom Colors: Product can be ordered in colors custom matched to specific requirements. Special color matches are available on extended lead times, at a nominal up charge.

FINISH

All steel parts are thoroughly cleaned in a multistage washer. An integral part of this stage is the application of a phosphate coating. This results in superior paint adhesion and rust resistance. The finest grades of industrial enamels are applied with electrostatic spraying equipment. This insures complete and even coverage. Coverage is capable of withstanding a minimum of 250 hour salt spray test per (ASTM) method number B-117 in a salt spray chamber as well as all normal resistance of a quality finish.