

# DELUXE COLLEGIATE LOCKER SPECIFICATIONS

(KNOCKED DOWN & ALL WELDED)

Material — Expanded metal shall be  $\frac{3}{4}$ " mesh 13 gauge flattened carbon steel providing approximately 74% open area. Gauges and other steel parts shall be as listed below. Bolts to be zinc-plated or subjected to other comparable rust-retardant treatment.

General Construction — (Applies to welded only) All lockers shall be pre-assembled, with all seams and joints welded for rigidity and durability.

Body — Sides shall be constructed with 13 gauge expanded metal with 20 gauge steel hemming welded to all four edges, resulting in a completely smooth frame around the expanded metal. The 16 gauge flat top and bottoms shall be offset to extend into frame cross members. (Not applicable on Multiple Tier Lockers.) All shelves and intermediate bottoms shall be flanged on all four sides for strength with the front flange returned 45° for safety. Backs shall be 18 gauge, cold-rolled steel. Individual sloping tops shall be 20 gauge cold-rolled steel.

NOTE: Lyon strongly recommends that exposed side end sheets be of solid material.

Door Frame — Shall be 16 gauge formed steel channels. Vertical members shall have an additional flange to form continuous door strike. Corners shall be lapped and welded into a rigid assembly.

In addition, bottom cross members shall have tang at each end that fits through slot in rear flange of upright frame member to prevent twisting out of alignment. Top and bottom cross members shall provide support for front edge of locker top and locker bottom.

Door — Single, double and triple tier doors only shall consist of 12 gauge angle frame and 12 gauge center lock plate with 13 gauge flattened expanded metal welded to inside. Center lock plate to be backed by 16 gauge retainer plate formed to provide a retainer for edges of expanded metal. The 21" and wider single tier locker doors to have 14 gauge reinforcing "K-brace" welded to angle frame for rugged, sag-resistant operation.

Multiple-tier locker doors only shall be one-piece, 16 gauge cold-rolled steel  $\frac{17}{32}$ " x  $1\frac{1}{16}$ " diamond shaped perforations surrounded by a minimum of  $\frac{1}{4}$ " steel webbing. Hinge side of doors shall be channel shaped formation with other three sides flanged at 90° angle.

Latching — Single, double and triple tier lockers shall have a locking device to engage the frame at three points. Locking device shall consist of two  $\frac{5}{16}$ " cold-drawn steel rods and 12 gauge center locking disc. 12 gauge security clip to be welded to lock plate to prevent disc from being disengaged from built-in lock bolt and also to provide a padlock attachment. Box lockers only shall have a one-point locking device with a 14 gauge lock clip for locking with padlocks, built in key or combination locks. Single tier locker doors to be equipped with a 12 gauge lock rod guard to reduce vandalism.

Hinges — Shall be not less than 2" high, .050" steel, 5 knuckle, full-loop forming double thickness on each leaf. Hinges to be set in slots in frame and projection-welded to frame – securely attached to door. Hinge pin to be spun over at ends. Single tier lockers 72" and 60" high to have three hinges, 48" high to have two hinges, and multiple-tier to have two hinges – all on right-hand side of door.

Hat Shelves — Single tier lockers shall have one 16 gauge hat shelf approximately 12" below top. Flanged on sides and back-channel formation on front flange – attached at no less than two points through each side flange. Double tier, triple tier and multiple tier lockers do not have hat shelves.

Coat Hooks — Single tier, double tier and triple tier lockers shall have one double-prong (ceiling) hook and three single prong wall hooks. All hooks to be zinc-plated or subjected to a comparable rust-retardant treatment and attached with two bolts or rivets.

Number Plates — Optional aluminum number plates with etched figures at least  $\frac{3}{8}$ " high.

Optional Door — Optional door is supplied only upon request. Door shall consist of 12 gauge angle frame and 12 gauge center lock plate with 13 gauge flattened expanded metal welded to inside. Center lock plate to be backed by 16 gauge retainer plate formed to provide a retainer for edges on expanded metal. Doors have 14 gauge reinforcing "k-brace" welded to angle frame for rugged, sag resistant operation.

Latching — Optional doors shall have a locking device to engage the frame at three points. Locking device shall consist of two  $\frac{5}{16}$ " cold-drawn steel rods and 12 gauge locking disc. 12 gauge security clip to be welded to lock plate to prevent disc from being disengaged from built-in lock bolt and also to provide a padlock attachment. Doors to be equipped with a 12 gauge lock rod guard to reduce vandalism.

Optional Bulk Lock-Up(K.D. only) — Optional bulk lock-up is designed to allow for bulk storage and lockup capability. Bulk compartment lid acts as a seating area as well. Bulk lock-up is 18" in height, full depth of locker, and consists of the following components :

- Bin front assembly made of 12 gauge steel
- Lid assembly made of 12 gauge steel and connected to 14 gauge continuous hinge with 0.410" knuckle diameter. Attachment angle is 12 gauge. Hasp located on front of lid is 14 gauge. Hasp allows for locking capability with use of padlocks.
- Lid support angles made of 12 gauge steel and support the lid in the closed position.

Optional Security Box(K.D. only) — Designed to allow for small compartmental storage with lockup capabilities.

Security box ships knock down, is 12" in height, 12" in width, and spans the depth of the locker opening. The security box consists of the following components:

- Right hand side and hinge member—made of 16 gauge steel with formations that make up the right side of the box and is punched for the weldment of two full loop hinges.
- Left hand side and lock member—made of 16 gauge steel with formations that make up the left side of the box and is punched for the weldment of single locking padlock hasp.
- 16 gauge right hand hinged door formed with flanges on all four sides. Door is equipped with punching to allow for built-in locks.
- Top frame member made of 16 gauge steel. Top frame member acts as a frame closure for upper portion of box between the door and the exterior locker top.
- Security box sits on the standard Collegiate locker shelf. Shelf is punched with holes to attach the security box through the two side members. Collegiate shelf acts as a bottom for the security box. Box is located on the right side of the locker unit.

Finish — Steel parts shall be thoroughly cleaned, given a bonding and rust inhibitive phosphate treatment and powder coat finish. Complete locker must be finished in same color.

NOTE: Contact Lyon for finish compatibility with any chemicals.

Anchoring — To prevent tipping or injury, Lyon strongly recommends that lockers be floor and/or wall anchored.

## **Spec Summary**

### Collegiate Lockers

#### *All-Welded*

- All seams and Joints welded for rigidity.
- Optional boxes shipped knocked down.
- 16 gauge body parts with 18 gauge backs
- Full loop type hinges.
- 13 gauge expanded metal door.
- 16 gauge frame.
- 13 gauge expanded metal sides.
- All metal locking systems.
- Chrome plated turn handles.
- Powder coat finish.

#### *Knocked Down*

- 13 gauge expanded metal door.
- 16 gauge frame.
- 13 gauge expanded metal sides.
- All metal locking systems.
- Chrome plated turn handles.
- Powder coat finish.
- Fully assembled construction optional