



SECTION 10 51 13 - METAL ATHLETIC SPORT LOCKERS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. DESCRIPTION: Furnish and install Heavy-Duty MIG-Welded Metal Lockers, complete, as shown and specified per contract documents.

1.2 RELATED WORK SPECIFIED ELSEWHERE:

- A. Concrete: Section 03 10 00
- B. Rough Carpentry: Section 06 10 00
- C. Finish Carpentry: Section 06 20 00

1.3 SUBMITTALS

- A. GENERAL: Refer to Section 01 30 00 ADMINISTRATIVE REQUIREMENTS - SUBMITTALS
- B. SHOP DRAWINGS: Submit drawings showing locker types, sizes, quantities, including all necessary details relating to anchoring, trim installation and relationship to adjacent surfaces.
- C. COLOR CHARTS: Provide color charts showing manufacturer's available colors (minimum 24). Provide metal samples if requested.
- D. NUMBERING: Locker numbering sequence will be provided by the approving authority and noted on approved shop drawings returned to the locker contractor.

1.4 QUALITY ASSURANCE

- A. MANUFACTURING STANDARD: Provide metal lockers that are standard products of a single manufacturer, with interchangeable like parts. Include necessary mounting accessories, fittings, and fastenings.
- B. FABRICATOR QUALIFICATIONS: Firm experience (minimum 5 years) in successfully producing the type of metal lockers indicated for this project, with sufficient production capacity to produce required units without causing delay in the work.
- C. INSTALLER QUALIFICATIONS: Engage an experienced (minimum 2 years) installer who has successfully completed installation of the type of metal lockers and extent to that indicated for this project.

1.5 PRODUCT HANDLING

- A. GENERAL: All work shall be fabricated in ample time so as to not delay construction process.
- B. DELIVERY: All materials shall be delivered to the site at such a time as required for proper coordination of the work. Materials are to be received in the manufacturer's original, unopened packages and shall bear the manufacturer's label.
- C. STORAGE: Store all materials in a dry and well ventilated place adequately protected from the elements.

1.6 WARRANTY

- A. All-Welded Lockers are covered against all defects in materials and workmanship excluding finish, damage resulting from deliberate destruction and vandalism under this section for the lifetime of the facility.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. AVAILABLE MANUFACTURERS: Subject to compliance with the design, material, method of fabrication and installation as required in this specification section or modified as shown on drawings. Manufacturers offering products which may be incorporated in the work include the following: List Industries Inc. (Basis of Design)

2.2 LOCKER TYPES

- A. GENERAL: Lockers shall be "SUPERIOR ALL-STAR OPEN FRONT SPORT LOCKERS" as manufactured by List industries Inc. or approved equal.
 - 1. Type: Open front
 - 2. Size: ____" wide x ____" deep x ____" high
- B. ALL-STAR OPEN FRONT SPORT LOCKERS:
 - 1. Box Doors (optional): 14 gauge non-perforated sheet steel, side hinged with finger pull latch
 - 2. Seat/Foot Locker (optional): 14 gauge sheet steel, Security Plus ventilated front panel
 - 3. Sides: Fully-framed 13 gauge 1/2" flattened expanded metal (diamond perforated or 3/4" expanded metal will NOT be accepted).
 - 4. Tops, Bottoms, Shelves: 16 gauge solid galvaneal sheet steel
 - 5. Backs: 18 gauge solid sheet steel

2.3 FABRICATION

- A. MATERIALS:
 - 1. Steel Sheet: All sheet steel used in fabrication shall be prime grade free from scale and imperfections and capable of taking a heavy coat of custom blend powder coat.
 - 2. Fasteners: Cadmium, zinc or nickel plated steel; bolt heads, slot less type; self-locking nuts or lock washers.
 - 3. Hardware: Hooks of cadmium plated, zinc plated steel or cast aluminum. Coat rods of stainless steel tube.
 - 4. Handle: Zinc plated, cold rolled steel finger pull.
 - 5. Number Plates: To be aluminum with not less than 3/8" high etched numbers attached to door with two aluminum rivets.
- B. CONSTRUCTION: Lockers shall be "SUPERIOR ALL-STAR OPEN FRONT FULLY-FRAMED ALL-WELDED ATHLETIC SPORT LOCKERS" as manufactured by List Industries Inc. or approved equal. All lockers shall be factory-assembled, of all MIG welded construction, in multiple column units to meet job conditions. Assembly of locker bodies by means of bolts, screws, or rivets will not be permitted. Welding of knockdown locker construction is not acceptable. Grind exposed welds and metal edges flush and make safe to touch.

1. FRAME / VERTICAL SIDE PANELS: Shall be of 13 gauge 1/2" flattened expanded metal framed by 16 gauge Hollow "T" tubular sections and channel frame members designed to enclose all four edges of the side panel with the entire assembly MIG welded to form a rigid frame for each locker. The channel frame members are welded to the front and rear vertical frame members to create and anchor bearing surface of 1-1/4 inches wide x the depth of the locker at each side panel. Note: Diamond perforated sheet steel or 3/4" expanded metal will NOT be accepted.
2. INTEGRAL FRAME LOCKER BASE: 14 gauge galvaneal formed structural channels are MIG welded to the front and rear vertical side panel frame members to allow placement of locker bottom a minimum 2-3/4" above floor level. Locker bottom shelf located less than 2" above floor level will not be acceptable.
3. FLAT TOPS: Shall be formed of one piece of 16 gauge cold rolled sheet steel and shall be an integral part MIG welded to each vertical side panel frame member and be continuous to cover the full width of a multiple framed locker unit.
4. HAT SHELVES AND BOTTOMS: Shall be 16 gauge galvaneal sheet steel, have double bends at front and shall engage slots in the Hollow "T" vertical frame members at all four corners and be securely welded to the frame and side. Locker bottom shelf located less than 2" above floor level will not be acceptable.
5. BACKS: Shall be 18 gauge cold rolled sheet steel, be continuous to cover a multiple framed unit and be welded to each vertical side panel frame member.
6. OPTIONAL UPPER SECURITY COMPARTMENT:
 - a. Wallet Security Box: Shall be 7-1/4" wide x 9" deep x 7-1/4" high fabricated from 16 gauge cold rolled sheet steel and include a 14 gauge side hinged solid door. Door hinge shall be a 16 gauge piano hinge. Security Box to be securely riveted to the front right corner of hat shelf. Door to have a combination friction catch door pull. Padlock Strike Plates are optional.
 - b. 12" Wide Security Box: To be formed of 14 gauge cold rolled sheet steel and securely MIG welded in place. The Door to be 14 gauge cold rolled sheet steel with plain (non-ventilated) door. Two heavy-duty 13 gauge 7-knuckle 3-1/2" hinges are to be MIG welded to the door and riveted to the side of the security box. Door to have a projecting friction catch, finger pull padlock hasp. Padlock Strike Plates are optional.
 - c. Full-Width Upper Security Compartment: Shall be top hinged and be fabricated from single sheet prime 14 gauge with single bend at top and sides with a double bend at latch point (bottom). Door shall be perforated with Security-Plus ventilation. A spring loaded galvanized latch assembly shall be securely welded to the inside of the door. The latch shall be a minimum of 11 gauge, be equipped with a stainless steel spring and shall automatically engage when door is closed. Rubber bumpers shall be riveted to return bends on doors. Locking device shall be designed for use with both a padlock and built-in lock. Top hinged gym door shall be hinged using a 3/16" diameter continuous hinge rod completely recessed into the door with a concealed fastener. Padlock Strike Plates are optional.
7. OPTIONAL LOWER SEAT OR FOOT LOCKER
 - a. Optional Lower Seat/Shelf: Shall be 16 gauge galvaneal sheet steel, have double bends at front and shall engage slots in the Hollow "T" vertical frame members at all four corners and be securely welded to the frame and side. A reinforcing bar shall be welded to the inside of the front return bend for added strength.
 - b. Optional Foot Locker: Seat shall be formed of 14 gauge cold rolled sheet steel with stiffener sections for reinforcement and be prepared for padlock. Foot Locker front panel shall be 14 gauge cold rolled sheet steel with Security-Plus ventilation. A rubber bumper is to be mounted to locker back to cushion seat in the open position. Padlock Strike Plates are optional

2.4 LOCKER ACCESSORIES:

- A. LOCKS (If required):
 - 1. Built-In Combination Locks: Built-in combination dead bolt locks with 5 control keys. Locks must be capable of a minimum of five combination changes.
 - 2. Combination Padlocks: Combination padlock, key controlled.
- B. EQUIPMENT: Furnish each locker with one galvanneal hat shelf, two single prong hooks at back of underside of shelf and one 1" O.D. stainless steel tube coat rod factory attached below upper hat shelf.
 - 1. Finished End Panels (If required): Shall be "Boxed" type formed from 16 gauge cold rolled steel with 1" O.D. double bends on sides and a single bend at top and bottom with no exposed holes or bolts. If lockers have slope tops, end panels must be formed with slope at top to cover the ends of the slope tops. Finished to match lockers. Provide at all exposed ends.
 - 2. Continuous Slope Tops (If required): Not less than 18 gauge sheet steel approximately 18 degrees pitch, in lengths as long as practical but not less than four lockers. To be installed in addition to the locker flat top with end closures for support. Finished to match lockers.
 - 3. Fillers (if required): Provide where indicated, of not less than 16 gauge sheet steel, factory fabricated and finished to match lockers.
- C. FINISHING: All locker parts to be cleaned and coated after fabrication with a seven stage hot-spray washing process and coated with a zirconium-based nanotechnology providing a green alternative to traditional iron phosphate followed by a coat of high grade custom blend powder electrostatically sprayed and baked at 350 degrees Fahrenheit for a minimum of 20 minutes to provide a tough durable finish. Color to be selected from manufacturer's standard list of colors. Two-Tone Color Combination: Shall be at no additional cost with the locker body, frame and trim chosen from one color and the door and foot locker seat may be one of any other color chosen from manufacturers standard selection.
- D. Lockers shall be GREENGUARD GOLD Certified.

PART 3 EXECUTION

3.1 INSTALLATION

- A. GENERAL: Installation shall be in strict conformance with referenced standards, the manufacturer's written directions, as shown on the drawings and as herein specified.
- B. PLACEMENT: Lockers shall be set in place, plumb, level, rigid, flush and securely attached to the wall (or bolted together if back-to-back) and anchored to the floor or base according to manufacturer's specifications.
- C. ANCHORAGE: About 48" O.C., unless otherwise recommended by manufacturer, and apply where necessary to avoid metal distortion, using concealed fasteners. Friction cups are not acceptable.
- D. TRIM: Sloping tops, metal fillers and end panels shall be installed using concealed fasteners. Provide flush, hairline joints against adjacent surfaces.

3.2 ADJUSTMENT

- A. GENERAL: Upon completion of installation, inspect lockers and adjust as necessary for proper door operation. Touch-up scratches and abrasions to match original finish.

END OF SECTION