

SECTION 10 51 14

METAL ATHLETIC LOCKERS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Heavy Duty Welded Lockers at Locker Room Building.

1.2 REFERENCES

- A. ADAAG - Americans with Disabilities Act, Accessibility Guidelines.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Show the following:
 - 1. Dimensioned drawings including plans, elevations, and sections to show locker locations and interfaces with adjacent substrates.
 - 2. Details of assembly, erection, anchorage and clearance requirements.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and finishes.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect locker finish and adjacent surfaces from damage.

1.5 QUALITY ASSURANCE

- A. All lockers, components and benches must be manufactured and assembled in the United States. Locker components, materials (steel, etc.) and benches from off-Shore companies will not be accepted.
- B. Uniformity and Single Manufacturer Requirements: Provide each type of metal locker as produced by a single manufacturer, including necessary mounting accessories, fittings, and fastenings.

- C. Installers Qualifications: Lockers to be installed by an experienced agent of the manufacturer.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Penco Products, Inc., which is located at: 2024 Cressman Rd. Skippack, PA 19474-0158; Toll Free Tel: 800-562-1000; Tel: 610-666-0500; Fax: 610-666-7561; Email: General@PencoProducts.com; Web: www.pencoproducts.com
- B. Acceptable Alternate Manufacturers: Subject to compliance with requirements of the Contract Documents, acceptable manufacturers are as follows:
 - 1. DeBourgh Manufacturing Company
 - 2. Superior Lockers By List Industries
 - 3. Lyon Lockers
 - 4. WEC
- C. Alternates submitted for approval to comply with Section 01 60 00.

2.2 MATERIALS

- A. Steel: Prime grade mild cold-rolled sheet steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A1008.
- B. Steel: Sheet steel components shall be fabricated using zinc-coated steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A879.
- C. Hooks: Zinc plated forged steel, ball ends.
- D. Bolts and Nuts: Zinc plated truss fin head bolts and hex nuts.

2.3 HEAVY DUTY LOCKERS

- A. Heavy Duty Lockers: All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.
 - 1. Lockers with Doors: Penco All-Welded GEN2 lockers, with no legs (standard). Set on concrete base.
 - a. 1 tier lockers: 18x18x72
 - b. 3 tier lockers: 18x18x24

B. Locker Body: All-Welded Lockers.

1. Sides, Bottoms, Tops, and Shelves:
 - a. 16 gauge steel.
 - b. Perforated sides
2. Backs: Solid 18 gauge steel.
 - a. Groups to 48 inches (1.219 m) wide: One-piece back.
 - b. Groups over 48 inches (1.219 m) wide: Two-piece back.
3. Doors:
 - a. 14 gauge steel.
 - b. Ventilation: 3/4 inch (19 mm) wide by 1-1/2 inch (38 mm) high diamond-shaped perforations.
 - c. Solid doors.
4. Sides: Vertical frames and sides.
 - a. Intermediate vertical side frames: Frame channel securely welded to locker side.
 - b. Ventilation: 3/4 inch (19 mm) wide by 1-1/2 inch (38 mm) high diamond-shaped perforations.
 - c. No Ventilation: Solid Sides at end of locker runs and corners.
5. Tops: Notched and formed sheet; one continuous flat top for each group of lockers.
6. Bottoms: Notched and formed sheet; one continuous bottom for each group of lockers, suitable for anchoring to concrete bases.
7. Shelves: Flanged four sides with additional return flange on front edge to increase strength.
8. Door frames, 16 gauge formed in a channel shape with continuous vertical door strikes.

C. Locker Doors: One piece sheet steel.

1. Multi-Point Latch Doors: Full channel formation of adequate depth to fully conceal lock bar on lock side, channel formation on hinge side, right angle formations across top and bottom, with holes for attaching number plates.
2. Doors over 15 inches (380 mm) Wide and 30 inches (0.762 m) High: Provided with 3 inch (75 mm) wide 20 gauge full height reinforcing pan welded to inside face of door at 6 inch (150 mm) centers.
6. Provide holes for attaching number plates.
7. Ventilation:
 - a. Doors 20 inches (508 mm) or higher: 3/4 inch (19 mm) wide by 1-1/2 inch (38 mm) high diamond-shaped perforations.

D. Hinges:

1. Continuous Hinges: Continuous piano hinge for the full height of the door.

2.4 DOOR HANDLES AND LATCHING

A. 1 or 3 Tier Lockers:

1. Multi-point latching with recessed handles:
 - a. Recess finger-lift control handle in door.

- b. Pocket: 22 gauge brushed stainless steel securely fastened to door with two tabs and a positive tamper-resistant decorative fastener; of depth sufficient to prevent a combination padlock, from protruding beyond door face.
- c. Provide lock hole cover plate for use with padlocks.
- d. Attach 14 gauge formed steel lifting piece to latching channel with one concealed retaining lug and one rivet, assuring a positive two-point connection.
- e. Handle Finger Lift: Molded, sound-deadening, attached with rivet; padlock eye for use with 9/32 inch (7.1 mm) diameter padlock shackle.
- f. Latch Clip: Glass-filled nylon engaging the door frame and holding the door shut.
 - 1) Doors 20 inches (0.508 m) to 48 inches (1.22 m) high: Two points.
- g. Firmly secure one rubber silencer in frame at each latch hook.

2.5 INTERIOR EQUIPMENT

- A. ADA-Compliant Lockers (Recessed Handles with Multi-Point Latch):
 - 1. Locker Compartment Bottom: Minimum of 15 inches (230 mm) off the floor, or an extra shelf placed 15 inches (381 mm) off the floor for unobstructed forward and side reach.
 - 2. Handicapped symbol attached to door.
 - 3. Hooks and rods as specified for other lockers.
- B. All Welded Lockers:
 - 1. Openings 20 inches (0.508 m) or Higher and Over 15 inches (380 mm) Wide: Four single-prong wall hooks and one double-prong ceiling hook.

2.6 ACCESSORIES

- A. Number Plates: Provide each locker with a polished aluminum number plate, 2-1/4 inches (57 mm) wide by 1 inch (25 mm) high, with black numerals not less than 3/8 inch (9.5 mm) high; attach to face of door with two aluminum rivets.
- B. Front Fillers: 20 gauge steel formed in an angle shape, with 20 gauge slip joint angles formed in an angle shape with double bend on one leg forming a pocket to provide adjustable mating with angle filler.
 - 1. Attachment by means of concealed fasteners.
 - 2. Finish to match lockers.
- C. Recess Trim: 18 gauge steel, 3 inch (75 mm) face dimension.
 - 1. Vertical and/or horizontal as required.
 - 2. Standard lengths as long as practical.
 - 3. Attach to lockers with concealed clips.
 - 4. Provide necessary finish caps and splices.
 - 5. Finish to match lockers.

2.7 FABRICATION

- A. Fabricate lockers square, rigid, without warp, with metal faces flat and free of distortion.
- B. Welded Lockers: Pre-assemble lockers by welding into one piece structures in groupings most practical for job requirements, welds free of burrs; maximum width of group to be 54 inches (1.371 m); no bolts, nuts, or rivets allowed in assembly of main locker groups.
- C. Finish: Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications for optimum performance. Finishes containing volatile organic compounds and subject to out-gassing are not acceptable. Locker exterior and interior shall be painted the same color.
 - 1. Powder Coat Plus - Dry Thickness: 2 to 2.2 mils (0.05 to 0.055 mm).
 - 2. Color: As selected from manufacturer's standard colors.
 - 3. Special Finish
 - a. Anti-Microbial

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates and bases have been properly prepared.
- B. If substrate and bases are the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 INSTALLATION

- A. Install metal lockers and accessories at locations shown in accordance with manufacturer's instructions.
- B. Install lockers plumb, level, and square.
- C. Anchor lockers to floor and wall at 48 inches (1.219 m) or less, as recommended by the manufacturer.
- D. Bolt adjoining locker units together to provide rigid installation.
- E. Install metal fillers using concealed fasteners. Provide flush hairline joints against adjacent surfaces.

3.3 ADJUSTING AND CLEANING

- A. Adjust doors and latches to operate without binding. Verify that latches are operating satisfactorily.

- B. Touch-up with factory-supplied paint and repair or replace damaged products before substantial completion.

3.4 PROTECTION

- A. Protect installed products until completion of project.

END OF SECTION

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