

## **Division 1 – General**

### **1.01 Section Includes:**

- A. Steel Unassembled (Knock Down) Lockers

### **1.02 References**

- A. Americans with Disabilities Act – Accessibility Guidelines

### **1.03 Shop Drawings, Material Data, Samples, and Product Data (Submittals)**

- A. Submit under provisions of Section 01 33 00.
- B. Manufacturer data sheets used on products:
  - 1. Construction and Reference Instructions
  - 2. Requirements and Recommendations for Storage and Handling
  - 3. Install Procedures
- C. Submittals – Include the Following:
  - 1. Dimensional Drawings: Plans, sections, and elevations to illustrate locker placement and interfaces with neighboring materials.
  - 2. Specifics of Assembly Requirements
- D. Collection Examples: For each individual finish product, two comprehensive sets of color chips which represent the manufacturer's full range of existing colors and finishes.

### **1.04 Storage, Distribution, and Handling**

- A. Store products in unopened manufacturer's packaging until prepared to install.
- B. Shield locker and adjacent surfaces from damage.

## **Division 2 – Products**

### **2.01 Manufacturers**

- A. Acceptable Manufacturer: Jorgenson Lockers, which is located at 1239 S. 700 W., Salt Lake City, UT 84104; Tel: 800-952-0151; Fax: 801-493-0158; Email: [quotes@jorgensonlockers.com](mailto:quotes@jorgensonlockers.com); Web: [www.jorgensonlockers.com](http://www.jorgensonlockers.com)
- B. Substitutions: Not Permitted.
- C. Appeals for substitutions will be considered in accordance with requirements of Section 01 25 00.

### **2.02 Materials**

- A. Steel: Prime grade mild cold-rolled sheet steel, free from surface flaws. Must be compliant with ASTM A1008 and capable of taking a powder-coated enamel finish.
- B. Steel: Sheet steel components are fabricated using zinc-coated steel, required to be free from external imperfection, capable of taking a powder-coated enamel finish. Must be compliant with ASTM A879.
- C. Hooks: Forged, Zinc-plated steel with ball ends.
- D. Nuts and Bolts: Truss fin head bolts and hex nuts, zinc-plated.

### **2.03 Standard Athletic Lockers**

- A. Standard Duty Lockers:
  - 1. Acceptable Product: Jorgenson Athletic, knock-down lockers.
  - 2. 16-gauge sheet steel tops, bottoms, backs, sides, and shelves.
  - 3. 14-gauge steel doors.
  - 4. Legs: Standard, 6 inches high
  - 5. No Legs: Optional
- B. Locker Body: Steel exclusively formed for additional strength and structure. This ensures tight joints at fastening points.
  - 1. Tops and bottoms with three sides bent at 90 degrees, the front formed with an offset to tuck under the horizontal member of the frame.
  - 2. Four-sided shelves bent to 90 degrees, front edge includes a second bend.
  - 3. Hole spacing in the construction of locker body: Not to surpass 9 inches.
  - 4. Door Frame members must be formed to a channel shape from no less than 16-gauge steel.
  - 5. Vertical door frame members must have an additional 3/8 inch flange that acts as a continuous door strike.
  - 6. Interlocking mortise and tenon parts; electrically welded in a rigid frame that is capable of repelling strains.
  - 7. Securely welded cross frame members of channel shapes to vertical frame members to ensure stability. This includes intermediate cross frame on double and triple tier lockers.
  - 8. Optional factory assembly of locker with steel rivets.
  - 9. Center Barriers: 16-gauge steel vertical partitions. Full depth between bottom and shelf.
- C. Locker Doors: Constructed using one piece of sheet steel.
  - 1. Multi-Point Latch Doors: Standard for 1, 2, and 3 tier lockers. Full channel formation of adequate depth to fully contain the latch bar on lock side. Channel formation on hinge side for added strength, right angle formations across top and bottom.
  - 2. Provide holes for fastening number plates.
  - 3. Box Lockers: Include channel formations on lock and hinge sides, and right angle flanges on top and bottom. Pre-punch doors with holes compatible for friction catch handles, key locks, and built-in combination locks.
  - 4. Ventilation: A grid of diamond perforations on top and bottom of each door.
    - a. Smaller box locker doors have a single grid of diamond perforations on the hinge side of the door rather than on the top and bottom
    - b. Locker sides include diamond perforations as well
- D. Hinges:
  - 1. 2" high five-knuckle hinges made from 0.074" thick sheet steel. Utilizing double spun, full loop, tight pin, and projection welded to door frame. Anchored to the door with two steel rivets.
    - A. Doors over 48 inches high use 3 hinges.
    - B. Doors over 24 inches wide use 4 hinges.
    - C. All other doors use 2 hinges.

## 2.04 Latches and Door Handles

- A. 1, 2, and 3 Tier Lockers. Multi-point latching included.

1. 22-gauge stainless steel handle cup.
  - A. Recess finger-lift control handle placed in door.
  - B. Concealed attachment to latch bar inside the door. Raising the lift handle raises the latch bar as well and releases all latches.
  - C. Pocket: 22-gauge brushed stainless steel securely fastened to door with two tabs and a positive tamper-resistant decorative fastener. Depth prevents a padlock, built-in combination lock, or key lock from protruding beyond door face.
  - D. Provide holes in recessed cup compatible with standard built-in locks or lock-hole cover plate.
  - E. Lift Handle has padlock eye made for use with 9/32" diameter padlocks.
  - F. Latch Clip: Glass-filled nylon which engages the door frame and holds the door shut.
    1. Doors over 48 inches high, includes three-point latching.
    2. All other doors include two-point latching.
  - G. Locking Device: Positive, automatic type device. Locker may be locked once open, then closed without unlocking.
  - H. One secure rubber silencer. Included in frame at each latch hook.
- B. Box Lockers (4 to 6 Tier):
  - A. Punch doors for use with built-in locks or padlocks.
  - B. Equip doors for use with padlocks. Include an 18-gauge door pull, staple, and lock-hole cover plate along with friction catch.

#### 2.05 Interior Equipment

- A. Hooks are made of zinc-plated forged steel with ball ends.
- B. Four-sided shelves bent to 90 degrees, front edge includes a second bend.
- C. Single Tier Lockers
  - a. Hat shelf located 9 inches below the top of locker
  - b. 3 wall hooks and 1 double hook hanging from the shelf.
  - c. Lockers 15 inches or wider have 4 wall hooks
  - d. Lockers 18 inches or deeper have a coat rod and no double hook
- D. 2 and 3 Tier Lockers
  - a. 3 wall hooks and 1 double hook per compartment
  - b. Lockers 15 inches or wider have 4 wall hooks
- E. Lockers with 4 or more tiers have no hooks
- F. ADA-Compliant Lockers:
  1. Single Tier Lockers: Hat shelf 48 inches maximum off the floor.
  2. Locker Bottom: Minimum of 9 inches off the floor. Extra shelf placed 9 inches off the floor for side access or minimum of 15 inches off the floor for front access as an alternative.
  3. Handicapped symbol attached to door.
  4. Hooks and rods as indicated for other lockers.

#### 2.06 Accessories

- A. Closed Bases: 18-gauge front and end bases. Finish matches lockers.

- B. Number Plates: Provide each locker with a polished aluminum number plate, 2 ¼" inch wide by 1" inch high. Includes black numerals not less than 3/8" inch high; attached to door using two rivets.
- C. Locks: Built-in flat key locks with master-key to same series.
- D. Locks: Built-in grooved key locks (pin tumbler) with master-key to same series.
- E. Locks: Built-in three-number dial combination locks. Each lock has five distinct, changeable combinations. Provide master key, combination change key, and combination control charts.
- F. Padlocks: Master-keyed three-number dialing combination type padlocks; provide master key. Mechanism must be resistant to "shimming"
- G. Coin-Operated Locks:
  - 1. Deposit and Coin Return Type
    - A. Token
    - B. One Quarter
    - C. Two Quarters
  - 2. Coin Collect/Pay Type with Cash Box
    - A. Token
    - B. One Quarter
    - C. Two Quarters
- H. Continuous Sloped Hoods: Height equal to 1/3 of the locker depth plus 1 inch. Slope pitch is 18.5 degrees.
  - 1. Available in 72 inch lengths only.
  - 2. Slip joints without observable fasteners at splice positions.
  - 3. Provide necessary end closures.
  - 4. Finish must match lockers.
  - 5. Choose from 18 or 16-gauge steel.
- I. Unit Slope Tops for Standard Duty Lockers: 24-gauge steel, height equal to 1/3 of the locker depth. Slope pitch is 18.5 degrees. Finish must match lockers.
- J. Finished End Panels: Minimum 16-gauge steel formed to match locker depth and height, 1 inch edge measurements. Finish must match lockers. Installed with hidden fasteners.
- K. Front Fillers: 20-gauge steel molded to an angle shape. Includes 20-gauge slip joint angles formed at an angle shape with double bend on one leg forming a pocket to provide adjustable mating with angle filler.
  - 1. Attached with concealed fasteners.
  - 2. Finish must match lockers.
- L. Zee Bases for Knock-Down Lockers: 14-gauge steel. Flanged outward at top to support lockers, flanged inward at bottom for securing to floor. Available in 4 or 6 inch heights.
- M. Recess Trim: 18-gauge steel, 3 inch face dimension.
  - 1. Vertical and/or horizontal as required.
  - 2. Standard lengths as long as practical.
  - 3. Attaches to lockers with hidden clips.
  - 4. Provide needed finish caps and splices.
  - 5. Finish must match lockers.

## 2.07 Fabrication

- A. Construct lockers to be free from distortion. The units must be square, rigid, devoid of warp, and with flat metal faces.
- B. Unassembled (Knock-Down) Lockers: Construct lockers on the unit principle. Each locker with individual door and frame, individual top, bottom, back, and shelves, with shared intermediate divisions separating compartments. Confirm measurements and arrangement before construction.
- C. Finish: Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications. No finishes containing volatile organic compounds and subject to out-gassing will be accepted. The color of the interior and exterior of the locker must match.
  - 1. Powder Coat-Dry Thickness: 1 to 1.2 mils.
  - 2. Powder Coat Plus-Dry Thickness: 2 to 2.2 mils.
    - a. Color: As selected from manufacturer's standard colors.
  - 3. Special Finishes
    - A. Anti-Microbial
    - B. Anti-Graffiti
    - C. TGIC
    - D. Resistant to Weather
    - E. Custom Colors.

### **Division 3 – Execution**

#### **3.01 Examination**

- A. Do not begin set-up until substrates and bases have been correctly prepared.
- B. If substrate and bases are the responsibility of a third party, notify architect of unsatisfactory preparation before proceeding.

#### **3.02 Installation**

- A. Install metal lockers and accessories at locations shown, per agreement with manufacturer's instructions.
- B. Lockers must be installed plumb, level, and square.
- C. Anchor lockers to the floor and wall at 48 inches (1.219 m) or less, follow the manufacturer recommendation.
- D. Bolt adjoining units together to provide rigid installation.
- E. Install sloping tops and metal fillers using concealed fasteners. Provide even and flat hairline joints against neighboring surfaces.
- F. Install front bases between legs without overlap or uncovered fasteners. Provide end bases on unprotected ends.

#### **3.03 Cleaning and Adjusting**

- A. Adjust doors and latches to function without binding. Confirm that latches are functioning acceptably.
- B. Adjust built-in locks to avoid binding of dial or key. This will keep operation smooth prior to substantial completion.

- C. Fix flaws with factory-supplied paint and mend/replace damaged products before substantial completion.

#### 3.04 Protection

- A. Shield installed products until completion of task.