

SECTION 10 51 00

LOCKERS

07/19

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 286 (2015) Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth

1.2 DEFINITIONS

This section includes lockers and locker benches.

1.3 RELATED SECTIONS

Section 06 10 00 ROUGH CARPENTRY.

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. Submittals with an "S" are for inclusion in the Sustainability Notebook, in conformance with Section 01 33 29 SUSTAINABILITY REPORTING. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Personal Storage "Z" Lockers; G

Drawings shall be submitted showing individual locker size and overall dimensions.

SD-03 Product Data

Manufacturer's Data Sheets; G

SD-04 Samples

Locker Color; G

Bench Top Color; G

Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

Verification Samples: For each finish product specified, two

samples, minimum size 3 inches square, representing actual product, color, and patterns.

#### SD-07 Certificates

Recycled Content; S

Regional Materials; S

### 1.5 SUSTAINABLE DESIGN

#### 1.5.1 Recycled Content

Certify percentages of post-consumer and pre-consumer recycled content.

#### 1.5.2 Regional Materials

Certify distance between manufacturer and Project and between manufacturer and extraction or harvest point in miles.

### 1.6 QUALITY CONTROL

#### 1.6.1 Manufacturer Qualifications

A company regularly engaged in manufacture of products specified in this section, and whose products have been in satisfactory use under similar service conditions for not less than 5 years.

#### 1.6.2 Installer Qualifications

A company regularly engaged in installation of products specified in this Section, with a minimum of 5 years experience.

### 1.7 DELIVERY, STORAGE, AND HANDLING

Provide Manufacturer's data sheets on each product to be used including:

- a. Preparation instructions and recommendations.
- b. Storage and handling requirements and recommendations.
- c. Installation methods.

Store products in manufacturer's unopened packaging until ready for installation. Locker components shall be stored flat until assembly. All finishes shall be protected from soiling and damage during handling.

### 1.8 PROJECT/SITE CONDITIONS

#### 1.8.1 Environmental Conditions

Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

### 1.9 WARRANTY

Manufacturer guarantees its plastic against breakage, corrosion, and

delamination under normal conditions for 15 years from the date of receipt by the customer. If materials are found to be defective during that period for reasons listed above, the materials will be replaced free of charge. (Labor not included in warranty.)

## PART 2 PRODUCTS

### 2.1 STORAGE CELL PHONE KEYLESS LOCKER UNITS

#### 2.1.1 Design

Separate compartments (per drawings), 14 gauge aluminum construction.

- a. Two-tone powder coat paint finish.
- b. Factory assembled.
- c. Recessed wall mount, see drawings.

#### 2.1.2 Size

- a. Locker depth: 8-1/8 inches.
- b. Locker width: 4 inches.
- c. Locker Height: 4-7/8 inches.

#### 2.1.3 Hardware

- a. Keyless locks with user definable combinations.
- b. Master door to allow management access to lockers.
- c. Concealed continuous stainless steel hinge.
- d. Doors flanged with corner welds.

#### 2.1.4 Frame

Welded frames with solid black reinforcements.

### 2.2 PERSONAL STORAGE "Z" LOCKERS

#### 2.2.1 Design

Storage "Z" locker. Vertical Stack: Two tier.

#### 2.2.2 Size

Individual and stack height as indicated on drawings.

- a. Locker Depth: 15 inches.
- b. Locker Width: 15 inches.

#### 2.2.3 Hardware

- a. Padlock hasp.

- b. One top-mounted, two-pronged plastic coat hook (1, 2 and 3 tier only).
- c. Horizontal venting.
- d. Continuous hinge.
- e. Continuous security latch.
- f. Slope top.
- g. Base.

#### 2.2.4 Bases

Bases shall be supplied 4 inches high, black unless otherwise specified. Locker bases shall be fabricated from 1 inch or 3/4 inch black plastic. Bases are assembled in the field.

#### 2.3 CONSTRUCTION

- a. Locker doors and frames shall be made from high impact, high density polyethylene (HDPE) formed under high pressure into solid plastic components 1/2 inch thick with homogeneous color throughout.
- b. Sides, tops, bottoms, backs, and shelves shall be made from high impact, high density, polyethylene (HDPE) formed under pressure into solid plastic components 3/8 inch thick with homogenous natural color throughout. Out sides, insides, tops, bottoms, backs, dividers and shelves shall be natural in color.
- c. Provide end panels and filler panels of plastic material in color of locker unless noted otherwise as an accent color.
- d. Continuous latch shall be made from high impact HDPE plastic and capable of accepting various locking mechanisms. The spring-loaded latch shall be securely fastened to the entire length of the door providing a quiet positive latching function.
- e. Door hinge shall be made from heavy duty zinc-plated steel, full length, assembled onto door and locker front.
- f. Assembly profile shall be full height of the lockers. Profile shall be Tongue-and-groove joint construction using 3/8 inch thick HDPE.
- g. Coat hooks shall be two-prong and made from high impact plastic. Hooks shall be mounted to bottom of the shelf or divider, one each per door opening. (Standard on Single, Double and Triple tier lockers only).

#### 2.4 MATERIALS

- a. Lockers shall be constructed from High Density Polyethylene (HDPE) resins. Material shall be fabricated from polymer resins compounded under high pressure, forming a single component which is waterproof, nonabsorbent and has a self-lubricating surface that resists marks from pens, pencils, markers and other writing instruments.
- b. Plastic components shall resist deterioration and discoloration when subjected to any of the following: acetic acid 80 percent, acetone, ammonia 12 percent, ammonium phosphate, bleach 12 percent, borax,

brine, caustic soda, chlorine water, citric acid, copper chloride, core oils, hydrochloric acid 40 percent, hydrogen peroxide 3 percent, isopropyl alcohol, lactic acid 25 percent, lime sulfur, nicotine, potassium bromide; soaps, sodium bicarbonate, trisodium phosphate, urea, urine and vinegar. (Testing in accordance with corrosion testing procedure established by the United States Plastic Corporation.)

- c. HDPE components shall have a smooth "orange peel" finish. Locker doors and door frames shall be the same color.

- 1. **Locker Color:** Charcoal Grey.

- d. Materials must conform to the requirements of **NFPA 286**.

## 2.5 FABRICATION

- a. Locker components shall be fabricated square and rigid with a finish free of scratches and chips.
- b. Solid plastic locker components shall snap together at profile connections or slide together at dovetail connections for easy assembly and shall provide a solid and secure anti-racking book case component construction for clean lines and precise reveals. Adjacent lockers shall share a common side panel. Locker units shall be manufactured for assembly in a group of no more than three adjacent lockers.

## 2.6 BENCHES

- a. Bench tops shall be **1-1/2 inches** thick with all edges rounded to a **1/4 inch** radius. Standard bench top size is **9-1/2 inches** wide by length not to exceed **96 inches** for one single piece.
- b. Steel pedestals shall be **16-1/4 inches** high, secured to bench tops with stainless steel tamper resistant Torx head screws and secured to the floor using lead expansion shields with **2 inches** stainless steel Phillips head machine bolts.
- c. Aluminum pedestals shall be **16 inches** high, and secured to bench tops with stainless steel tamper resistant Torx head screws and secured to the floor using lead expansion shields with **2 inches** stainless steel Phillips head machine bolts
- d. **Bench Top Color:** Charcoal Grey

## PART 3 EXECUTION

### 3.1 EXAMINATION

Do not begin installation until substrates have been properly prepared. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions. Report discrepancies to the architect.

### 3.3 INSTALLATION

- a. Install in accordance with manufacturer's instructions.
- b. Install lockers at the location shown in accordance with the manufacturers' instructions for plumb, level, rigid and flush installations.
- c. Anchor the units to the wall studs through the locker back and to the floor using 1-1/2 inches tapcon screws.
- d. Lockers shall be floor-mounted as scheduled or indicated. Floor shall be level for proper installation.
- e. Lockers shall be installed on a 4 inch high base as scheduled or indicated. Base shall be level for proper installation.

### 3.4 PROTECTION

Protect installed products until completion of project. Touch-up, repair or replace damaged products before Substantial Completion.

-- End of Section --