



SECTION 10 51 26 - HDPE SOLID PLASTIC LOCKERS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. DESCRIPTION: Furnish and install Superior® AquaMax™ High Density Polyethylene (HDPE) solid plastic lockers.

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 standard available colors. Provide 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 HDPE 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 HDPE 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 HDPE 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. 20-YEAR WARRANTY: Submit upon completion of the work, in the form prescribed under section 00670 - GUARANTEE FORM, covering all defects in materials and workmanship excluding finish, damage resulting from deliberate destruction and vandalism under this section for a period of twenty years.

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 AQUAMAX LOCKERS" as manufactured by List industries Inc. or approved equal.
1. Type: - Tier
 2. Size: - wide x - deep x - high
- B. AQUAMAX LOCKERS:
1. Wardrobe Doors: 1/2" thick solid HDPE with protruding lift handle and multi-point gravity lift-type latching.
 2. Box Doors: 1/2" thick solid HDPE with through the door padlock lug and protruding door pull.
 3. Body: 3/8" thick solid HDPE.

2.3 FABRICATION

- A. MATERIALS:
1. HDPE: Material shall be HDPE solid plastic. Surface and edges shall be nonporous. Provide material which has been selected for uniform color, surface flatness and even texture. Exposed surfaces which exhibit discolorations, pitting, seam marks, roller marks, stains, telegraphing, or other imperfections on finished units are not acceptable.
 2. Fasteners: All fastening hardware shall be stainless steel with theft proof head
 3. Hardware: Hooks and hang rods of cadmium plated or zinc plated steel or cast aluminum.
 4. Handle: Wardrobe door handle shall be injection molded HDPE with antimicrobial efficacy rating of 40 or greater.
 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 AQUAMAX HDPE LOCKERS" as manufactured by List Industries Inc. or approved equal. Surface and edges shall be nonporous. Provide material which has been selected for uniform color, surface flatness and even texture. Exposed surfaces which exhibit discolorations, pitting, seam marks, roller marks, stains, telegraphing, or other imperfections on finished units are not acceptable

1. DOORS: Locker doors shall be the full width of the locker body and shall be frameless, allowing access to the entire width of the Locker. Framed doors are unacceptable. Perimeter ventilation shall provide superior ventilation properties to traditional framed doors. Doors shall be attached to the hinges with stainless steel theft proof torx head with pin, tri-lobular screws.
2. BODY: Locker body shall incorporate a universal side to allow for multiple Locker configurations within the same locker body. The locker body shall be .375" (10 mm) thick and shall be white in color. Homogenous natural color is not acceptable. The body shall incorporate mortise and tenon construction and shall be mechanically fastened together with stainless steel fasteners. Locker shelves shall be mortised into side walls of the body. The hinge shall be attached to the body with stainless steel theft proof torx head with pin, through bolts. Lockers shall arrive at construction site fully assembled.
3. HINGES: Provide one (1) Uni-Hinge® for each Locker Frame. Uni-Hinge® shall be made of continuous heavy duty extruded 6063-T5 Aluminum. Pivot Pin shall be made of Type 304 Stainless Steel. Pivot Pin shall be .1875" (5 mm) in diameter and shall be made in two parts and shall extend the length of the locker body. Hinge knuckles shall be separated with two nylon washers. Hinge leaf that attaches to locker body shall be continuous and shall extend the full height of the locker body. Single to six tier lockers shall use one Uni-Hinge®. Uni-Hinge® shall be attached to the locker body with stainless steel theft proof torx head with pin, tri-lobular screws. Uni-Hinge® shall be powder coated to match locker door.
4. HANDLES: Wardrobe locker handle shall be made of injection molded HDPE or similar material and shall have an antimicrobial efficacy rating of 4.0 or greater. Handle shall move up and down in a vertical movement and shall require less than 5 lbs. of lifting force to operate in accordance with ADA requirements. When used in conjunction with lock hasp, handle shall have an integral 11 gauge type 304 stainless steel hasp bar that shall align with the locker hasp bar when in the lower or closed position. Locker hasp bar is to be used with padlocks (padlocks are not included). Box door handle shall be protruding door pull.
5. LATCHING: The latching mechanism for wardrobe lockers shall consist of an activation bar and multiple slide bars made of the same or similar materials as the locker body and door. Security of locker contents will be assured by use of multiple latching points and an additional 11 gauge type 304 stainless steel hasp bar mounted to the locker body that extends through the face of the door in alignment with the locker handle hasp for use with a padlock (padlocks not included). Door will close and latch without the need for manually raising the locker handle. Latch mechanism shall withstand a sudden impact (slamming) force of 300 lbs. Box doors shall have an 11 gauge type 304 stainless steel hasp bar mounted to the locker body that extends through the face of the door to accept padlock.

2.4 ACCESSORIES:

- A. LOCKS (If required): Combination Padlocks: Combination padlock, key controlled.
- B. EQUIPMENT: Furnish each locker with the following items, unless otherwise shown.
 1. Single tier locker openings 60" and 72" high shall include one hat shelf and two single prong hooks fabricated of 11 gauge type 304 stainless steel attached to locker body with theft proof stainless steel hardware
 2. Double tier locker openings 30" and 36 high and Z-tier locker openings shall include two single prong hooks fabricated of 11 gauge type 304 stainless steel attached to locker body with theft proof stainless steel hardware
 3. Locker openings 24" high and under shall not include hooks.
 4. All lockers shall include an engraved aluminum number plate fastened to the door with theft proof fasteners

5. Slope top, end panels, fillers and base shall be manufactured of the same color, thickness and HDPE material as the locker doors.

C. COLOR: Door and accessory color to be selected from manufacturer's standard list of colors. Body components shall be white in color for production lockers.

D. Lockers shall be GREENGUARD GOLD Certified.

PART 3 EXECUTION

A. INSTALLATION

B. GENERAL: Installation shall be in strict conformance with referenced standards, the manufacturer's written directions, as shown on the drawings and as herein specified.

C. 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.

D. 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.

E. TRIM: Sloping tops, fillers and end panels shall be installed using stainless steel 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.

END OF SECTION