



SECTION 10 51 26 - PLASTIC LOCKERS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. DESCRIPTION: Furnish and install AQUAMAX HDPE Solid Plastic 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.
- 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 Plastic (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 Plastic (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 Plastic (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. AQUAMAX Plastic Lockers are covered against all defects in materials and workmanship excluding damage resulting from deliberate destruction and vandalism under this section for a period of 20 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: Art Metal Products (Basis of Design)

2.2 LOCKER TYPES

- A. General: Lockers shall be " AQUAMAX HDPE Solid Plastic Lockers" as manufactured by Art Metal Products or approved equal.
 - 1. Type: _____ Tier
 - 2. Size: ____ " wide x ____ " deep x ____ " high
- B. AQUAMAX HDPE Lockers:
 - 1. Doors: Shall be fabricated of 1/2" thick HDPE
 - 2. Sides: Shall be fabricated of high impact, high density, polyethylene (HDPE) 3/8" thick
 - 3. Tops, Bottoms, Shelves: Shall be fabricated of high impact, high density, polyethylene (HDPE) 3/8" thick
 - 4. Backs: Shall be fabricated of high impact, high density, polyethylene (HDPE) 3/8" thick

2.3 FABRICATION

- A. MATERIALS:
 - 1. Plastic: HDPE (high-density polyethylene) shall be of uniform color and texture.
 - 2. Fasteners: Cadmium, zinc or nickel plated steel; bolt heads, slotless type; self locking nuts or lock washers.
 - 3. Hardware: Hooks and hang rods of cadmium plated or zinc plated steel or cast aluminum.
 - 4. Handle: Shall be fabricated of high impact, high density, polyethylene (HDPE) or a single-point thru-the-door finger pull.
- B. Number Plates: To be polished aluminum with not less that 3/8" high etched numbers
- C. CONSTRUCTION Lockers shall be AQUAMAX HDPE Solid Plastic Wardrobe and Box Lockers as manufactured by Art Metal Products or approved equal. HDPE (high-density polyethylene) shall be of uniform color and texture. Fabricate lockers square, rigid and without warp. Lockers constructed of other materials, including materials with a core and not of solid plastic, will not be acceptable. Locker units will ship factory pre-assembled.
 - 1. BODY: Sides, tops, bottoms, back, and shelves shall be made from high impact, high density, polyethylene (HDPE) 3/8" thick and shall be white in color. Body incorporates mortise and tenon

construction and shall be mechanically fastened together with stainless steel fasteners. Multiple width units will share intermediate sides and have unit width top, bottom, back and shelf/tier divider.

2. DOORS: Shall be fabricated of 1/2" thick HDPE. Doors shall be the full width of the locker and shall be frameless, allowing access to the entire width of the locker. Framed doors are unacceptable. Plain doors with perimeter ventilation shall provide ventilation properties superior to that of traditional framed doors.
3. LATCHING: The latching mechanism for wardrobe doors 20" high and higher shall be lift control type. Latching is achieved using an activation bar and multiple slide bars made of the same of similar materials as the locker body and doors and an additional 11 gauge type 304 stainless steel hasp mounted to the locker body that protrudes through door and aligns with lift handle. Box lockers 18" high and under include a single-point thru-the-door finger pull with 11 gauge type 304 stainless steel padlock hasp. All doors are prepared for use with a padlock.
4. HANDLE: Wardrobe Door 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.
5. DOOR HINGES: Hinges shall be heavy-duty continuous full height extruded aluminum with a powder coating to match the locker door color. Hinge knuckles shall be separated with two nylon washers. Hinges shall be fasted to door and body with theft proof stainless steel fasteners.

2.4 LOCKER ACCESSORIES:

A. Locks (If required):

1. 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. FINISHING: All locker parts to be clean.

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 distortion, using concealed fasteners. Friction cups are not acceptable.
- D. TRIM: Sloping tops, 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