Section 10 52 00

Lockers MFG HDPE Lockers

(Solid Plastic Corrosion Resistant HDPE Lockers)

### PART 1 GENERAL

##### SECTION INCLUDES

1. Solid Plastic Corrosion Resistant HDPE Lockers.

##### RELATED REQUIREMENTS

1. Project drawings, meeting, and general provisions of the contract. This includes but is not limited to general materials, supplementary materials, and material testing.
2. Manufacturing plant to be located in the United States of America.

##### WARRANTY

1. Lockers are warranted for a lifetime against defective parts and workmanship, excluding vandalism and improper installation and use.

##### ADA LOCKERS

1. Lockers are to meet the Americans with Disabilities Act, accessibility guidelines. They shall have recessed handles and shall be single-tier or lower openings of a double-tier locker. The locker bottom shall be a minimum of 15" off the floor, or an extra shelf placed 15" off the floor. Single-tier lockers shall have a shelf 48" off the floor. Doors assigned for handicapped use shall have an appropriate symbol sign.

##### SUBMITTALS

1. Comply with procedures and quantities as indicated in Division 1 ‘Submittal Procedure Section’. To conform to the manufacturer’s most up-to-date specifications.
2. Shop Drawings: Submit shop drawings indicating room sizes, layout, locker dimensions, material thickness, trim, hardware, finishes, locks, base, doors, accessories, and installation details.
3. Manufacturer to make to its approved shop drawings.

##### PRODUCT HANDLING

1. Store locker components flat until assembly. Protect all finishes from soiling and damage during handling.

##### QUALITY ASSURANCE

1. Qualifications:
	1. The Fabricator shall be capable of providing field service representation through our certified nationwide dealer network.
	2. The installer shall have a minimum of five years’ experience, be approved by the manufacturer, and have experience performing work of similar size and scope.
	3. Parts shall be structurally sound and clear of defects, in material as well as construction covered under the full warranty period.
2. Pre-Installation Meeting: Conduct pre-installation meetings before installation to verify project requirements and conditions.
3. Must be manufactured with a total quality control management system ISO9001:2015 and all OSHA requirements and regulations.
4. Must adhere to environmentally friendly guidelines and regulations.
5. Must follow all ADA compliance.

##### DELIVERY, STORAGE, AND HANDLING

1. Storage and Handling:
	1. Store material in an enclosed shelter protecting from damage, temperature, humidity, and exposure to the elements.
2. Delivery:
	1. Deliver materials in the manufacturer’s original protective packaging and store lockers until ready for installation.

##### PROJECT CONDITIONS AND COORDINATION

1. Field Measurements:
	1. Before material fabrication, verify actual field measurements and show actual measurements on shop drawings.
2. Coordination:
	1. Coordinate field measurements with fabrication schedule and construction progress to avoid construction delays.

### PART 2 PRODUCTS

##### MATERIALS

1. Solid Plastic Corrosion Resistant HDPE Lockers shall be manufactured by Lockers Manufacturing, LLC. 209 Pearson Street, Batesville, MS 38606. These specifications shall be regarded as a minimum; lockers constructed of other materials, or material with a core and not of solid plastic, will not be acceptable.
2. Sides, shelves, tops, and bottoms shall be made from polymer resin formed under high pressure to solid plastic components 3/8” thick with a homogeneous color.
3. Doors shall be made from polymer resin formed under high pressure to a solid plastic component 1/2” thick with a homogeneous color.
4. Door frames shall be constructed from polymer resin formed under high pressure to a solid plastic component 1/2” thick with homogeneous color.
5. Material testing: All solid plastic components shall resist deterioration and discoloration when subjected to the following chemicals:

Acetic Acid 80, Borax, Hydrochloric Acid 40, Soaps, Ammonium Phosphate, Citric Acid, Hydrogen Peroxide 30, Potassium Bromide, Acetone, Caustic Soda, Isopropyl Alcohol, Trisodium Phosphate, Bleach 12, Cooper Chloride, Lactic Acid 25, Sodium Bicarbonate, Ammonia Liquid, Chlorine Water, Nicotine, Urea and Urine, Brine, Core Oils, Lime Sulfur, and Vinegar. (Testing in accordance with corrosion-testing procedure established by The United States Plastic Corporation).

1. Continuous latch shall provide a finger-slide latching mechanism that is capable of accepting a padlock and is securely fastened to the door. The latch mechanism shall be attached to the entire length of the door, providing a continuous security latch.
2. Door hinge shall be continuous and integrate into the full length of the door and main locker body, made entirely from plastic without any steel or metal parts.
3. Coat Hooks shall be a two-prong hook molded from solid plastic attached using hardware supplied by the manufacturer. One coat hook shall be supplied per opening.
4. Finish shall be commercial grade smooth for tops, bottoms, side walls, shelves and frames in the color white. Doors shall have a slightly textured finish to reduce marring be from the manufacturer’s standard colors.

##### FABRICATION

1. Fabricate locker components square and rigid, with finish free from scratches and chips.
2. Solid Plastic components will be dado joined to provide a continuous, solid and secure joint that slides together for assembly.
3. Lockers sides and backs shall form a one-piece unit constructed from a single sheet of solid plastic requiring no hardware.
4. Door frames shall be bonded to locker bodies using plastic welding process.

### PART 3 EXECUTION

##### EXAMINATION

1. Examine site conditions before locker installation. Notify architect of unacceptable areas.
2. Do not install lockers until unacceptable conditions have been corrected.

##### INSTALLATION

1. Install lockers at the location shown in accordance with the manufacturer’s instructions for plumb, level, rigid and flush installations.
2. Anchor the units to the wall studs or masonry through the locker back and to the floor. Lockers are joined side by side with non-corrosive tamper resistant fasteners.
3. Attach aluminum number plates using hardware provided by the manufacturer after the lockers are in place.

END OF SECTION 10 52 00