

Montgomery County Public Schools Facilities Guide
DIVISION 10 – SPECIALTIES

SECTION 10500

LOCKERS

PART 1 GENERAL

1.01 GUIDE INCLUDES

- A. Secondary (Middle and High School):
 - 1. Student Lockers in Corridors:
 - a. Middle & High School - 12 inches W x 12 inches D x 72 inches Single Tier Lockers
 - 2. Locker Rooms:
 - a. Middle & High Schools - 12 inches W x 12 inches D x 24 inches Triple Tier Lockers
 - 3. Team Rooms:
 - a. High Schools - 12 inches W x 18 inches D x 36 inches Double Tier Lockers
 - 4. P.E. Offices (Combination of sizes):
 - a. Middle & High Schools:
 - 1) 12 inches W x 15 inches D x 72 inches Single Tier
 - 2) 12 inches W x 15 inches D x 36 inches Double Tier Lockers
 - 5. Athletic Coaches Offices:
 - a. Middle & High Schools - 12 inches W x 18 inches D x 36 inches Double Tier
 - b. Middle & High Schools - 12 inches W x 15 inches D x 72 inches Single Tier
- B. Elementary & Secondary:
 - 1. Building Services - 12 inches W x 12 inches D x 60 inches Single Tier Lockers
 - 2. Kitchen - 12 inches W x 12 inches D x 60 inches Single Tier Lockers
 - 3. Other areas as Designated.

1.02 REFURBISHING

- A. Evaluate and consider refurbishing existing 12 inches wide student lockers in secondary school modernization projects. Work shall include new doors and hardware, repair of frame and interior, repair hardware and paint frames and interiors.
 - 1. Provide detailed specifications for refurbishing
 - a. Refurbishing contractors: Hadrian, Locker Master.

1.03 QUANTITIES

- A. Number of Student Lockers in Corridors (secondary) shall be school's rated capacity plus 100. For Locker Room lockers provide half school's rated capacity plus 50 for each locker room (boys and girls). Number of Team Room lockers vary depending on the size of athletic program; coordinate with Facilities Planner. For other quantities see Educational Specifications per project.

1.04 SUBMITTALS

- A. Submit recycled-content data, designating percentages of post-consumer and pre-consumer recycled materials if applicable.

PART 2 PRODUCTS

- 2.01 MANUFACTURERS (SUBJECT TO COMPLIANCE WITH REQUIREMENTS, GIVE PREFERENCE TO PRODUCTS MANUFACTURED WITHIN A 500-MILE RADIUS OF THE PROJECT SITE)

- A. DeBourgh Manufacturing Co.
- B. Republic Storage System Co.
- C. Interior Steel/Medart Equipment Co.
- D. List Industries

2.02 MATERIALS

- A. Give preference to products with high recycled content.
- B. Student Lockers in Corridors, Building Services, Kitchen lockers and other areas as designated (Single Point):
 - 1. Frames: 14 gauge sheet metal channel.
 - 2. Body: 24 gauge sheet metal sides and back. Top and bottom panels shall be 20 gauge. Exposed side at end shall be 16 gauge sheet metal end cover panel with perimeter holes only. On multi tier lockers, provide 16 gauge spreader bar between lockers.
 - a. Sloped tops, if required, shall be continuous 16 gauge with factory made splices. Flat top under a sloped top can be 24 gauge.
 - 3. Doors:
 - a. Option 1 - Double panel with 16 gauge sheet metal outer panel and 22 gauge sheet metal inner panel full width and height of door.
 - b. Option 2 - Partial double panel with 14 gauge sheet metal outer panel and 18 gauge sheet metal inner panel stiffener, min of 4inch width and full height of door.
 - c. Both options shall have the following:
 - 1) Recessed stainless steel handle with minimum finger pull\
 - 2) Single point safety latch system with built-in dead bolt combination lock.
 - 3) Hasp support angle, full depth of locker, welded to the hasp and fastened to the front frame flange and rear of body. This support angle shall prevent any distortion or flexibility of hasp and frame assembly.
 - 4. Hinges:
 - a. Provide 2 hinges for doors up to 36 inches and 3 hinges for doors greater than 36 inches in height.
 - b. Provide minimum 2" 5-knuckle, full loop, 14 gauge, butt type hinges or continuous piano hinge.
 - c. Hinges shall be welded to door and secured to frame with minimum of two factory installed fasteners that are concealed and tamper proof when door is closed. No louvers in door surface.
 - 5. Fasteners:
 - a. Provide self locking nuts (Kep or equal) at all locations.
 - b. Vertical fasteners shall be a minimum of 9 inches o.c. spacing.
 - 6. Accessories:
 - a. Provide 24 gauge hat shelf (single tier).
 - b. Provide number plates (Coordinate number with Principal and existing lockers).
 - c. Provide cadmium plated steel or cast aluminum coat hooks. Each locker shall have a minimum of 2-single prong wall hooks and 1-double prong hook attached with self locking nuts.
- C. Locker Room, Team Room, P.E. Office, and Athletic Coach's Office Lockers (Single Point):
 - 1. Frames: 14 gauge sheet metal channels.
 - 2. Body: 16 gauge sides and back and 20 gauge top and bottoms.
 - a. Sloped tops if required shall be 16 gauge continuous with factory made splices. Flat top under a sloped top can be 24 gauge.
 - 3. Doors: 14 gauge sheet metal with no openings.
 - a. Provide recessed stainless steel handle with minimum finger pull and single point safety latch system with built-in dead bolt combination lock. Hinges shall be welded to door and secured to frame with minimum of two factory installed fasteners that are concealed and tamper proof when door is closed.
 - b. Heavy Duty 12 gauge latch hooks.
 - 4. Hinges:
 - a. Provide minimum 2 inch 5-knuckle, full loop, 14 gauge, butt type hinges.
 - 5. Fasteners:
 - a. Provide self locking nuts (Kep or equal) at all locations.

- b. Vertical fasteners shall be a minimum of 9 inches o.c. spacing.
- 6. Accessories:
 - a. Provide number plates (Coordinate number with Principal and existing lockers).
 - b. Provide cadmium plated steel or cast aluminum coat hooks. Each locker shall have a minimum of 2-single prong wall hooks and 1-double prong hook attached with self locking nuts.
- D. Locker colors shall be manufacturer's standard colors and not more than 4 different colors per project. A separate neutral color is acceptable for interior surfaces. Frames, Doors, End Panels, and Tops shall be a single color.

PART 3 EXECUTION

3.01 INSPECTION

- A. Examine areas and conditions under which lockers are to be installed. Correct conditions that would be detrimental to proper installation of lockers.

3.02 INSTALLATION

- A. Install metal lockers in accordance with manufacturer's recommendations to ensure the installed lockers are plumb, level, and securely fastened. Connect lockers to each other individually with self locking nuts. Anchor framing shall be three horizontal rows of continuous 2x4 wood framing behind lockers. Secure to wall with construction adhesive and cut nails.
- B. Space fasteners maximum of 48 inches o.c. Apply through back-up reinforcing plates as necessary to avoid metal distortion. Use concealed fasteners where possible.
- C. Install trim with concealed fasteners to provide flush, hairline joints against adjacent surfaces.
- D. Install locker room lockers on glazed block bases or concrete platform with applied rubber base.

3.03 CLEANING

- A. Touch-up marred finishes and replace units which cannot be restored to factory finished appearance.

3.04 SPARE PARTS:

- A. Provide 2 percent extra locker front with hardware for each color of lockers. Parts to be delivered as directed to MCPS Division of Maintenance.

END OF SECTION