SECTION 10 51 26.13 – RECYCLED PLASTIC LOCKERS

## PART 1 GENERAL

1.01 SECTION INCLUDES

A. Solid plastic lockers
B. Solid plastic cubby lockers
C. Solid plastic Z lockers
D. Hardware and accessories

1.02 RELATED SECTIONS

A. Division 01 Section "Sustainable Design Requirements" for related LEED general requirements.
B. Division 06 Section "Rough Carpentry" for blocking in frame walls required to anchor casework.
C. Division 09 Section "Non-Structural Metal Framing" for reinforcements in metal framed partitions required to anchor casework.
D. Division 09 Section "Resilient Base and Accessories" for finish base materials applied to casework.

1.03 LEED REQUIREMENTS

A. The material/products/methods specified in this section have an impact on the Project's LEED requirements. The General Contractor shall verify and document the contribution of the material/products/methods provided to the Project's LEED requirements. This contribution shall be documented as specified in this section Section "01 81 13 Sustainable Design Requirements" and as required in the *LEED Reference Guide for New Construction (LEED-NC) Version 2.2*. LEED requirements impacted by the section are:

    1. Credit MR2.1 and MR2.2, LEED version 2.2 Construction Waste Management: See Section "01 81 13 Sustainable Design Requirements" for construction waste management.
    2. Credit MR4.1 and MR4.2, LEED version 2.2: Recycled Content: See Section "01 81 13 Sustainable Design Requirements" for recycled content.
    3. Credit MR5.1 and MR5.2, LEED version 2.2: Regional Materials. See Section "01 81 13 Sustainable Design Requirements" for regional materials.
    4. Credit EQ4.1, LEED version 2.2: Low-Emitting Materials. See Section "01 81 13 Sustainable Design Requirements" for low-emitting materials.

1.04 REFERENCES

A. ADA Accessibility Guidelines for Buildings and Facilities
B. US Green Building Council (USGBC): Leadership in Energy and Environmental Design (LEED) Green Building Rating System

1.05 SUBMITTALS

A. Submit shop drawings showing locker plan layout, numbering plan, profiles, and product components including anchorage, accessories and finish colors.
B. Submit product data on locker construction, hardware and accessories
C. Submit two samples 8 x 8 inch in size illustrating color and finish.
D. Submit maintenance data for installed products.
E. LEED Submittals:
    a. Credit MR4.1 & MR4.2, LEED version 2.2: Recycled Content: Submit product data indicating percentages by weight of post-consumer and post-industrial recycled content for products having recycled content.
        i. Include statement indicating costs for each product having recycled content.

    b. Credit MR5.1 & MR5.2, LEED version 2.2: Regional Material: Submit documentation of manufacturing locations and origins of materials or product that have been manufactured within 500 miles of building site.
        i. Include statement indicating costs for each regional material.

    c. Credit EQ4.1, LEED version 2.2: Low-Emitting Materials: Submit manufacturer's product data for adhesives and sealants, including printed statement of VOC content.

1.06 DELIVERY, STORAGE and HANDLING

A. Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
B. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
C. Store lockers indoors, protected from weather conditions and construction activities.

1.07 PROJECT CONDITIONS

A Building enclosed, completely protected from outside weather with minimum inside temperature of 60F.

1.08 WARRANTY

A. Provide manufacturer's twenty year warranty against rust, delamination or breakage of plastic components.

**PART 2 PRODUCTS**

2.01 LEED MATERIAL REQUIREMENTS

A. Products and materials provided in this section shall comply with and contribute to the Project's LEED requirements. LEED requirements are as indicated in this section and as specified in section "01 81 13 Sustainable

Design Requirements". Contributions to LEED requirements shall be documented as indicated in the 'SUBMITTALS' paragraph of the section and as specified in section "01 81 13 Sustainable Design Requirements".

2.02 PRODUCTS

A. Basis of Design Product: Subject to compliance with requirements, provide Bradley Corporation, LENOX Lockers or a comparable product, approved prior to bid.
B. Recycled Content: Provide products with an average recycled content so post-consumer recycled content plus one-half of post industrial recycled content is not less than 100 percent.

2.03 COMPONENTS

A. Locker material: sides, backs, shelves, tops, bottoms, doors, door framed and continuous latch constructed from recycled high-density polyethylene (HDPE)
    a. Sides, shelves, tops, bottoms and back fabricated from 3/8 inch HDPE
    b. Doors, door frames and continuous latch fabricated from ½ inch HDPE
    c. Slope tops fabricated from ½ inch HDPE sheets, and 1 inch HDPE back plates
    d. Bases fabricated from 1 inch HDPE
    e. End panels fabricated from ½ inch HDPE
    f. Flat tops fabricated from ½ inch HDPE

B. Door hinge: Continuous piano hinge fabricated from 16 gauge type 304 stainless steel.

2.04 HARDWARE and ACCESSORIES

A. Provide one plastic double coat hook for each opening in one and two tier lockers.
B. Provide one number plate for each opening
C. Provide screws, anchors and angle brackets for locker base installation.

2.05 FABRICATION

    a. Locker box fabricated from a single sheet of HDPE with corners fused together. Weld frame and shelves to box assembly.
    b. Attach hinge to door and frame with vandal-resistant double thread stainless steel screws.
    c. Continuous latch securely attached to the entire length of the door with stainless steel screws, providing a full length latching mechanism capable of accepting several lock types.
    d. Fabricate [slope] [flat] top from HDPE with a backing strip for attachment to wall.
    e. Locking device (select lock): [Hasp for User provided lock] [key lock] [combination lock] [card lock] [coin lock - $0.25] [coin lock - $0.50] [coin lock – token] [coin lock – 2 token] [coin lock - $0.25 return] [coin lock – token return] [keypad lock] [combination padlock]
    f. Provide openings at top and bottom of each door for ventilation.
    g. Base: [4] [3] inch high

h. Regular Locker Size (select sizes): [single] [two] [three] [four] [five] [six] tier, [72] [60] [48] [36] [24] inches H x [12] [15] [18] inches W x [12] [15] [18] inches D, [slope] [flat] top
i. Z-Locker Size (select sizes): two tier [72] [60] inches H x [15] [18] inches W x [12] [15] [18] inches D, [slope] [flat] top
j. Cubby Locker Size (select sizes): [single] [two] [three] [four] [five] [six] tier, [72] [60] [48] [36] [24] inches H x [12] [15] [18] inches W x [12] [15] [18] inches D, [slope] [flat] top
k. Factory finish:
    i. Color (select color): [Beige] [Charcoal Gray] [Moss] [Toffee]
    ii. Hinge: powder-coated to match door and frame
    iii. End panel: to match door and frame

**PART 3 EXECUTION**

3.01 EXAMINATION

A. Verify that locker area is ready for installation
B. Verify field measurements are as shown on approved shop drawings
C. Verify bases are properly leveled, sized and in correct location
D. Verify correct location of built-in framing and blocking

3.02 INSTALLATION

A. Comply with manufacturer's written instructions for installation of lockers and bases. Install plumb and square.
B. Anchor locker units to wall through the locker back with suitable anchor devices for the substrate.
C. Anchor locker units to floor with hardware furnished by manufacturer
D. Through-bold adjoining locker units together to provide rigid installation.
E. Install accessories, number plates, end panels, and tops.

3.03 ADJUSTING

A. Adjust and align components to operate smoothly.
B. Correct minor damage to installed products: remove and replace work that cannot be satisfactorily repaired.

3.04 WASTE MANAGEMENT

A. Separate and dispose of waste in accordance with the Project's Waste Management Policy.

END OF SECTION 10 51 26