

SECTION 10 80 00
MISCELLANEOUS SPECIALTIES

PART 1 GENERAL

1.01 SUMMARY

A. Section Includes:

1. Writing board.
2. Tackboard.
3. Metal shelving.
4. Metal workbench.
5. Carpet walk off mat and frame.
6. Dock bumper.
7. Bird Netting.

1.02 SUBMITTALS

A. Action Submittals:

1. Manufacturers' product data for proposed items. Clearly identify each item.
2. Manufacturers' color charts.
3. Provide Shop Drawings showing locations of installation.
4. Anchorage and bracing drawings and/or catalog information, as required by Section 01 88 15, Anchorage and Bracing, for loads provided.

B. Informational Submittals:

1. Manufacturers' installation instructions.
2. Manufacturers' cleaning and service instructions for proposed items.
3. Anchorage and bracing calculations as required by Section 01 88 15, Anchorage and Bracing, for loads provided.
4. Sustainable Design: In accordance with Section 01 81 13, Sustainable Design Requirements for Non-LEED™ Projects, document sustainability performance for items listed below.
 - a. Product Data for Recycled Materials:
 - 1) A complete list of materials and quantities.
 - 2) Percentages of post-consumer and pre-consumer recycled content of all materials.

PART 2 PRODUCTS

2.01 WRITING BOARDS

A. White Board, WBD:

1. Manufacturers and Products:
 - a. 3M Porcelain Dry Erase Board.
 - b. Or equal.
2. Physical Characteristics:
 - a. Materials: Stretcher level sheet steel facing, 24-gauge minimum, bonderized and surfaced to accept watercolor and semipermanent writing inks with selective erasability, minimum 3/8-inch particleboard core, 0.015-inch aluminum backing sheet, extruded aluminum frame and tray.
 - b. Composition: Facing sheet and backing sheet bonded to opposite sides of core.
 - c. Finish and Color: White porcelain enamel semigloss writing surface finish impervious to cracking, checking, chipping, and peeling; clear anodized finish on extruded aluminum frame and tray.
 - d. Dimensions: As shown.
3. Functional Characteristics:
 - a. Smooth flat surface for writing.
 - b. Suitable for dry erase pens.
4. Performance Characteristics: None.

2.02 TACKBOARDS

A. Manufacturers and Products:

1. Claridge Products & Equipment, Inc., Harrison, AR; Series 4, Type CO.
2. Or equal.

B. Physical Characteristics:

1. Materials: 1/4-inch vinyl-impregnated cork; 1/4-inch tempered hardboard backing; extruded aluminum frame without tray.
2. Composition: Cork face sheet, factory cemented to backing.
3. Finish and Color:
 - a. Ground natural cork with washable vinyl finish and integral color throughout.
 - b. Cork Surface Color and Texture: Natural; clear anodized finish on extruded aluminum frame.
4. Size: 3 feet by 4 feet.
5. Accessories: Clip angle hangers at 24 inches on center top and bottom.

- C. Functional Characteristics: None.
- D. Performance Characteristics: None.

2.03 METAL SHELVING

A. Manufacturers and Products:

- 1. Hallowell, Memphis, TN; Bulk Rack Shelving.
- 2. Or equal.

B. Physical Characteristics:

- 1. Materials: Welded uprights consist of 14-gauge channel bracing welded to H-Post vertical members, with 14-gauge steel step beams with 10-gauge brackets, and 14-gauge front to back formed angle supports.
- 2. Composition: Steel deck shelving, 20-gauge.
- 3. Finish and Color: Painted, in gray color.
- 4. Size: Unit 3 feet wide by 5 feet deep and 10 feet high with three shelves.
- 5. Accessories: Clips and attachment fittings for shelf assembly, adjustment, and seismic anchorage.

- C. Functional Characteristics: None.
- D. Performance Characteristics: None.

2.04 METAL WORKBENCHES

A. Manufacturers and Products:

- 1. Lyon Workspace Products, Inc., Montgomery, IL; Steel Leg Work Benches.
- 2. Or equal.

B. Physical Characteristics:

- 1. Materials: Top of heavy-gauge steel.
- 2. Composition: Constructed of welded steel leg units with back stringer and top.
- 3. Finish and Color: Baked enamel in gray color.
- 4. Size: Open leg design workbench units 72 inches long by minimum 34 inches deep by minimum 34 inches high.
- 5. Accessories:
 - a. Full bottom shelf.
 - b. Two steel drawer(s) approximately 14 inches wide by 20 inches deep by 5 inches high with padlock attachment.

- c. Back and end stops.
- d. Single aerial shelf at back of top.

C. Functional Characteristics: None.

D. Performance Characteristics: None.

2.05 CARPET WALK OFF MATS AND FRAMES

A. Manufacturer and Products:

- 1. American Floor Mats; Recessed Grill Mats.
- 2. Or equal.

B. Physical Characteristics:

- 1. Materials: Extruded aluminum 6063 T-5 frame.
- 2. Composition: Recess mat frame prefabricated at the factory to ensure fit of mat, furnished complete with corner pins of aluminum and anchor pins of strap steel.
- 3. Finish: Mill.
- 4. Insert: Heavy-duty carpet in color black.

C. Functional Characteristics: None.

D. Performance Characteristics: 300-pound rolling load capacity.

2.06 DOCK BUMPERS

A. Manufacturers and Products:

- 1. Durable Corporation; Dura-Dock, Model B4520 11.
- 2. Or equal.

B. Physical Characteristics:

- 1. Materials: Fabric-reinforced rubber truck tires; 3/4-inch diameter galvanized steel rods; minimum 1/4-inch thick galvanized structural steel angles.
- 2. Size: 11 inches wide by 20 inches high.

C. Functional Characteristics:

- 1. Composition:
 - a. Fabricated from multiple plies cut from rubber truck tires to a uniform thickness of 4-1/2 inches. Laminated under pressure on steel supporting rods that are welded and bolted to structural steel angle closures with predrilled anchor holes. Size angles to provide

- not less than 1 inch of tread plies extending beyond the face of the closure angles.
- b. Vertical unit, wall-mounted.
- 2. Mounting Height: Locate bumper attachment flange 1 inch below dock.
 - a. Performance Characteristics: Recycled Content: Provide products with a minimum combined recycled content of 25 percent and a minimum post-consumer recycled content of 10 percent.

2.07 BIRD NETTING

- A. Manufacturers and Products: A complete bird netting system for installation over water holding basins to prevent bird access.
- B. Physical Characteristics:
 - 1. Knottless, 3/4-inch stretch mesh maximum.
 - 2. Mounting hardware or fasteners suitable for outdoor service conditions for perimeter fastening and tensioning.
- C. Functional Characteristics:
 - 1. UV and rot resistant.
 - 2. Waterproof.
 - 3. Keep migratory bird species and other bird species of concern from bioreactors, namely the following threatened species: The Mexican Spotted Owl, and the Western Yellow Billed Cuckoo, as well as the following endangered species: the Southwestern Willow Flycatcher, the California Condor and the Yuma Clapper Rail.
 - 4. Sized for mounting above each open water holding basin or adjacent water holding basins.
 - 5. Easily removable when not needed.
- D. Performance Characteristics:
 - 1. Minimum of 85-pound breaking strength.
 - 2. Minimum melting point of 130 degrees C.
- E. Warranty: Provide manufacturer's warranty, with Contracting Officer named as beneficiary, in writing, to warrant the supplied equipment to be free of defects in materials and workmanship for a period of 10 years, with the warranty period beginning upon Substantial Completion.

2.08 ISOLATION PAINT

- A. Coating in accordance with Section 09 90 00, Painting and Coating.

PART 3 EXECUTION

3.01 INSTALLATION OF SPECIALTIES

- A. Follow manufacturer's recommendations and printed instructions. Consult with Contracting Officer in order that minor adjustments in locations can be decided if necessary.
 - 1. Install materials plumb or level as applicable and attach securely to adjacent materials with suitable fasteners.
 - 2. Prevent scratching or damaging adjacent materials during installation.
 - 3. Apply isolation paint to specialty item where metal comes in contact with dissimilar metal or is in contact with concrete or soil.
- B. Metal Shelving:
 - 1. Assemble shelving units following manufacturer's instructions.
 - 2. Securely fasten units together and anchor to prevent overturning during seismic event. Arrange shelves and bin sizes as directed by Contracting Officer.
 - 3. Touch up scratches or defaced finish after assembly as directed by Contracting Officer.
- C. Metal Workbenches: Assemble and install workbenches as recommended by manufacturer. Where units adjoin end-to-end, use single leg at joints.
- D. Carpet Walk Off Mats and Frames:
 - 1. Assemble frame to suit mat thickness and securely anchor in-place following manufacturer's instructions. Place cement grout base as recommended by manufacturer below floor level, screeded into the interior frame area, using the edge of frame as a guide.
 - 2. Install mat in frame recess as recommended by manufacturer, flat and without curls or humps.
- E. Dock Bumpers:
 - 1. Provide three dock bumpers minimum for each dock.
 - 2. Securely anchor in-place following manufacturer's instructions and recommendations.
- F. Bird Netting: Secure perimeter rope at base of railing per manufacturer's instructions.

END OF SECTION