

## **SECTION 10050 – MISCELLANEOUS SPECIALTIES**

### **1. GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. General Conditions and Supplementary Conditions apply to this Section.

#### **1.2 WORK INCLUDED**

- A. This Section includes the following
1. Closet Shelves and Rods
  2. Work Station Brackets
  3. Tack Surface
- B. This Section includes the following
1. Division 5 - Metal Fabrications
  2. Division 6 - Rough Carpentry
  3. Division 6 –Interior Architectural Woodwork
  4. Division 9- Tile
  5. Division 9- Painting
  6. Division 22, 23 and 26 – Mechanical, Plumbing and Electrical

#### **1.3 SUBMITTALS**

- A. Product Data: Manufacturer's technical literature with installation and storage instructions for each product specified.
- B. Shop Drawings:
1. Show layouts, finish, trim, installation details including adjacent materials and conditions, material composition and thickness.
  2. Show elevations, plan locations, sections and mounting details.
- C. Samples: In duplicate for each product and color specified.
- D. Color Chart: For each product specified.

#### **1.4 DELIVERY, STORAGE AND HANDLING**

- A. Deliver materials to job site in unopened containers bearing manufacturer's name and content identification.
- B. Store materials as recommended by the manufacturer.
- C. Pack installation instructions with each item.
- D. Provide blocking to support and retain original shapes during storage.

### **2. PRODUCTS**

#### **2.1 CLOSET HANGER ROD**

- A. Coat Closets:
1. 1" Dia. Rod with brackets mounting to the underside of the shelf or to the side walls.
  2. Manufacturer:
    - a) Knap & Vogt, 800-253-1591, Series 660
    - b) Magnuson Group, 1-800-342-5725, model USR
    - c) RigidRak, 1-800-365-5770, Model No. 15 Series

#### **2.2 WORK STATION BRACKETS**

- A. Manufacturers:

1. A&M Hardware, Inc. 888-647-0200
  2. Rakks, EH 1818
  3. Gambas
- B. Steel brackets: Steel
- C. Bracket sizes: 18" x 24" and 12" x 18"
- D. Factory finish as selected by the architect.

### **2.3 TACK SURFACE**

- A. Tack Surface: 3/4" thick "N.C.F.R. Homasote" panels, Class A, flame spread rating of 25 or less per ASTM E-84. Prime coated on one side. Size as indicated on drawings.
- B. Finish: Provide fabric covering as noted on drawings and Key to Finishes (FWC-1). Sand face layer of Homasote panels, if required, to provide a smooth surface for attachment of fabric covering.
- C. Installation: Completed panels shall be glued and nailed in place, with perimeter trim installed where detailed.
- D. Manufacturer: Homasote Company, Trenton, NJ (800) 257-9491

## **3. EXECUTION**

### **3.1 EXAMINATION**

- A. Examine areas in which work is to be performed. Report in writing to Owner's Representative all prevailing conditions that will adversely affect satisfactory execution of work. Do not proceed with work until unsatisfactory conditions have been corrected.
1. Starting work constitutes acceptance of the existing conditions and this Contractor shall then, at his expense, be responsible for correcting all unsatisfactory and defective work encountered.

### **3.2 INSTALLATION - GENERAL**

- A. Install items in strict accordance with manufacturer's written instructions.
- B. Coordinate installation work with the work of other trades as required.

END OF SECTION **10050**

## **SECTION 10191 - CUBICLE CURTAINS AND TRACKS**

### **1 GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### **1.2 SUMMARY**

- A. This Section includes the following:
1. Curtain tracks and curtain carriers.
- B. Related Sections include the following:
1. Division 6 Section "Rough Carpentry " for wood blocking for mounting items requiring anchorage.

#### **1.3 SUBMITTALS**

- A. Shop Drawings: Show layout and types of cubicles, sizes of curtains, number of carriers, anchorage details, and conditions requiring accessories. Indicate dimensions taken from field measurements.
1. Include details on blocking above ceiling.
- B. Coordination Drawings: Reflected ceiling plans, drawn to scale, on which the following items are shown and coordinated with each other, based on input from installers of the items involved:
1. Structural members to which suspension systems will be attached.
- C. Samples for Verification: For each type of product required, prepared on Samples of size indicated below.
1. Curtain Track: Not less than 4 inches long.
  2. Curtain Carrier: Full-size unit.

#### **1.4 PROJECT CONDITIONS**

- A. Environmental Limitations: Do not install cubicles until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

#### **1.5 EXTRA MATERIALS**

- A. Furnish extra materials described below, before installation begins, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
1. Curtain Carriers and Track End Caps: Full-size units equal to 3 percent of amount installed for each size indicated, but no fewer than 10 units.

## **2 PRODUCTS**

### **2.1 CURTAIN TRACKS**

- A. Manufacturers:
1. Basis of Design: On the Right Track Systems, Inc., 174 Hudson Street, New York, NY 10013, Tel. 212-625-6630, [www.ontherighttrack.com](http://www.ontherighttrack.com).
- B. Cubicle Curtain Track:
1. Basis of Design: Provide a cubicle track system by On the Right Track Systems, Inc. with the following characteristics:
    - a. Surface Mounted Track: Extruded Aluminum
    - b. Finish: Powder Coated White Finish
    - c. Dimensions: 1-1/2" high x 3/8" wide

- d. Provide straight and bent sections as indicated on drawings
- C. Track Accessories: Provide the following components as necessary. Coordinate locations with those found on the contract drawings.
  - 1. CE-OPTS-S02, Swivel Clip with Drop Ceiling Grid Mounting Plate.
  - 2. CE-OPTS-C02, End Wall Plate.
  - 3. CE-OPTS-E02, Hanger and Track Connector.
  - 4. CE-OPTS-F02, Track Connector.
  - 5. CE-OPTS-B02, Hard Ceiling Mounting Plate.
  - 6. CE-OPTS-M02, End Cap.
  - 7. CE-OPTS-G02, Hanger.
  - 8. CE-OPTS-P02, Ceiling Vertical Mount Plate.
  - 9. CE-OPTS-DO2, Hanger and Tube Connector.
  - 10. CE-OPTS-J02, Extensible Square Tube.
  - 11. CE-OPTS-001, Grabber (curtain loading tool).

## **2.2 CURTAINS**

- A. Curtains to be provided by owner and installed by the owner.

## **3 EXECUTION**

### **3.1 EXAMINATION**

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, and other conditions affecting performance of work.
  - 1. Proceed with installation only after unsatisfactory conditions have been corrected.

### **3.2 INSTALLATION**

- A. General: Install tracks level and plumb, according to manufacturer's written instructions.
- B. Up to 16 feet in length, provide track fabricated from 1 continuous length.
  - 1. Curtain Track Mounting: Surface.
- C. Surface Track Mounting: Fasten surface-mounted tracks at intervals of not less than 24 inches . Fasten support at each splice and tangent point of each corner. Center fasteners in track to ensure unencumbered carrier operation. Attach track to ceiling as follows:
  - 1. Mechanically fasten track to structure above ceiling as shown on the drawings
  - 2. Attach track to suspended ceiling grid with manufacturer's proprietary clip.
- D. Track Accessories: Install splices, end caps, connectors, end stops, coupling and joining sleeves, and other accessories as required for a secure and operational installation.

### **3.3 PROTECTION**

- A. Protect installed recessed track openings with non residue adhesive tape to prevent construction debris from impeding carrier operation. Remove tape prior to Substantial Completion.

END OF SECTION 10191

## **SECTION 10505 – METAL LOCKERS**

### **1. GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### **1.2 SUMMARY**

- A. This Section includes the following:
1. Staff lockers.
- B. Related Sections include the following:
1. Division 6 Section "Rough Carpentry" for wood furring and grounds.

#### **1.3 SUBMITTALS**

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of locker and bench.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other Work.
1. Show locker fillers, trim, base, sloping tops, and accessories. Include locker-numbering sequence.
- C. Samples for Initial Selection: Manufacturer's color charts showing the full range of colors available for units with factory-applied color finishes.

#### **1.4 DELIVERY, STORAGE, AND HANDLING**

- A. Protect lockers from damage during delivery, handling, storage, and installation.
- B. Deliver master keys, control keys, and combination control charts to Owner.

### **2. PRODUCTS**

#### **2.1 MANUFACTURERS**

- A. Manufacturer: Subject to compliance with requirements, provide products by one of the following:
1. Art Metal Products; Div. of Fort Knox Storage Co.
  2. Interior/Medart.
  3. Lyon Metal Products, Inc.
  4. Penco Products, Inc.; Subsidiary of Vesper Corporation.
  5. Republic Storage Systems Co., Inc.

#### **2.2 MATERIALS**

- A. Cold-Rolled Steel Sheet: ASTM A 366/A 366M, matte finish, suitable for exposed applications, and stretcher leveled or roller leveled to stretcher-leveled flatness.
- B. Fasteners: Zinc- or nickel-plated steel, slotless-type exposed bolt heads, and self-locking nuts or lock washers for nuts on moving parts.

#### **2.3 WARDROBE LOCKERS**

- A. Body: Form backs, tops, bottoms, sides, and intermediate partitions from steel sheet; flanged for double thickness at back vertical corners. Knock down units. Comply with the following:
1. Back-Material Sheet Thickness: 24 gage.
  2. Side-Material Sheet Thickness: 24 gage.
  3. Exposed Ends: Form exposed ends of nonrecessed lockers from minimum 24 gage thick steel sheet.

- B. Frames: Form channel frames from minimum 16 gage thick steel sheet; lapped and welded at corners. Form continuous integral door strike on vertical frame members. Provide resilient bumpers to cushion door closing.
  - 1. Latch Hooks: Form from minimum 0.1046-inch- (2.70-mm-) thick steel; welded or riveted to door frames.
  - 2. Cross Frames: Form intermediate channel cross frames between tiers from minimum 0.0598-inch- (1.50-mm-) thick steel sheet. Weld to vertical frame members.
  - 3. Frame Vents: Fabricate horizontal face frames with vents.
- C. Doors: One-piece steel sheet, formed into channel shape at vertical edges and flanged at right angles at top and bottom edges. Fabricate to prevent springing when opening or closing, and to swing 180 degrees. Comply with the following:
  - 1. Sheet Thickness: 18 gage minimum.
  - 2. Reinforcement: Brace or reinforce inner face of doors more than 15 inches (381 mm) wide.
  - 3. Reinforcing and Sound-Dampening Panels: Brace or reinforce inner face of doors with manufacturer's standard reinforcing angles, channels, or stiffener panels.
  - 4. Acoustical Treatment: Fabricate lockers for quiet operation with manufacturer's standard rattle-free latching mechanism and moving components isolated to prevent metal-to-metal contact.
  - 5. Louvered Vents: Stamped, louvered vents in door face, as follows:
    - a) Multiple-Tier Lockers: No fewer than two louver openings at top and bottom, or three louver openings at top or bottom.
- D. Hinges: Steel, full loop, five or seven knuckle; tight pin; minimum 2 inches (51 mm) high. Weld to inside of door frame and attach to door with at least two factory-installed fasteners that are completely concealed and tamper resistant when door is closed.
  - 1. Provide at least three hinges for each door more than 42 inches (1067 mm) high and at least two hinges for each door 42 inches (1067 mm) high or less.
- E. Projecting Handle and Latch: Manufacturer's standard, positive automatic, prelocking, pry-resistant latch and pull; chromium-plated, heavy-duty, vandal-resistant, lift-up handle, as follows:
  - 1. Provide single-point gravity or spring-actuated latch with padlock lug.
- F. Lockers:
  - 1. Locker Type: Double tier, 12" wide, 18" deep, x 42" H, with sloped top where gypsum board bulkhead is not provided.

## 2.4 LOCKER ACCESSORIES

- A. Interior Equipment: Furnish each locker with the following items, unless otherwise indicated:
  - 1. Coat Hooks: Provide (1) on each side and on the rear wall of the locker.
- B. Number Plates: Manufacturer's standard etched, embossed, or stamped, aluminum number plates with numerals at least 3/8 inch (9 mm) high. Number lockers in sequence indicated. Attach plates to each locker door, near top, centered, with at least two aluminum rivets.
- C. Continuous Metal Base: Minimum 0.0598-inch- (1.50-mm-) thick steel sheet, channel or zee profiled for stiffness, fabricated in lengths as long as practicable to enclose base and base ends of lockers, and finished to match lockers.
  - 1. Height: as indicated on drawings.
- D. Recess Trim: Manufacturer's standard; fabricated from minimum 0.0478-inch- (1.20-mm-) thick steel sheet, minimum 2-1/2-inch (64-mm) face width, and finished to match lockers. Fabricate trim in lengths as long as practicable.
- E. Filler Panels: Manufacturer's standard; fabricated from minimum 0.0478-inch- (1.20-mm-) thick steel sheet in an unequal leg angle shape, and finished to match lockers. Provide slip joint filler angle formed to receive filler panel.

- F. Finished End Panels: Manufacturer's standard; fabricated from minimum 0.0239-inch- (0.60-mm-) thick steel sheet, finished to match lockers, and designed for concealing exposed ends of non-recessed lockers.

## **2.5 FABRICATION**

- A. Unit Principle: Fabricate each locker with an individual door and frame, individual top, bottom, back, and shelves, and common intermediate uprights separating compartments.
- B. All units are to be Knock Down type.
- C. Fabricate lockers square, rigid, and without warp, with metal faces flat and free of dents or distortion. Make exposed metal edges free of sharp edges and burrs, and safe to touch. Weld frame members together to form a rigid, one-piece assembly.

## **2.6 FINISHES, GENERAL**

- A. Finish all steel surfaces and accessories, except prefinished stainless-steel and chrome-plated surfaces.
- B. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- D. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

## **2.7 STEEL SHEET FINISHES**

- A. Surface Preparation: Clean surfaces of dirt, oil, grease, mill scale, rust, and other contaminants that could impair paint bond. Use manufacturer's standard methods.
- B. Baked-Enamel Finish: Immediately after cleaning and pretreating, apply manufacturer's standard baked-enamel finish consisting of a thermosetting topcoat. Comply with paint manufacturer's written instructions for applying and baking to achieve a minimum dry film thickness of 1.4 mils (0.036 mm) on doors, frames, and legs, and 1.1 mils (0.028 mm) elsewhere.
  - 1. Color and Gloss: As selected by Architect from manufacturer's full range.

## **3. EXECUTION**

### **3.1 INSTALLATION**

- A. Install metal lockers and accessories level, plumb, rigid, and flush according to manufacturer's written instructions.
- B. Connect groups of all-welded lockers together with standard fasteners, with no exposed fasteners on face frames.
- C. Anchor lockers to floors and walls at intervals recommended by manufacturer, but not more than 36 inches (910 mm) o.c. Install anchors through backup reinforcing plates where necessary to avoid metal distortion, using concealed fasteners.
- D. Fit exposed connections of trim, fillers, and closures accurately together to form tight, hairline joints, with concealed fasteners and splice plates.
  - 1. Attach recess trim to recessed lockers with concealed clips. Provide filler strips at ends of rows to allow tight fit at walls.
  - 2. Attach sloping top units to lockers, with closures at exposed ends.
- E. Attach boxed end panels with concealed fasteners to conceal exposed ends of nonrecessed lockers.

- F. Attach finished end panels with fasteners only at perimeter to conceal exposed ends of nonrecessed lockers.

**3.2 ADJUSTING, CLEANING, AND PROTECTION**

- A. Adjust doors and latches to operate easily without binding. Verify that integral locking devices operate properly.
- B. Clean interior and exposed exterior surfaces and polish stainless-steel and nonferrous-metal surfaces.
- C. Protect lockers from damage, abuse, dust, dirt, stain, or paint. Do not permit locker use during construction.
- D. Touch up marred finishes, or replace locker units that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by locker manufacturer.

END OF SECTION 10505



## **SECTION 10520 – FIRE-PROTECTION SPECIALTIES**

### **1. GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### **1.2 SUMMARY**

- A. This Section includes the following:
1. Fire-protection cabinets for the following:
    - a) Portable fire extinguishers.
- B. Related Sections include the following:
1. Division 7 Section "Firestopping" for firestopping sealants at fire-rated cabinets.

#### **1.3 SUBMITTALS**

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for fire-protection specialties.
1. Cabinets: Include roughing-in dimensions, details showing mounting methods, relationships of box and trim to surrounding construction, door hardware, cabinet type, trim style, and panel style.
- B. Samples for Initial Selection: Manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available for each type of cabinet finish indicated.

### **2. PRODUCTS**

#### **2.1 MANUFACTURERS**

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. Portable Fire Extinguisher Cabinets:
    - a) Fire-Protection Cabinets: Provide Clear Vu Series cabinets with bubble front door style by J.L. Industries, Inc.
  2. Other Manufacturers offering similar products which may be substituted subject to compliance with requirements include:
    - a) Larsen Manufacturing Co.
    - b) Potter-Roemer

#### **2.2 MATERIALS**

- A. Cold-Rolled Steel Sheet: Carbon steel, complying with ASTM A 366/A 366M, commercial quality, stretcher leveled, temper rolled.
- B. Aluminum: Alloy and temper recommended by aluminum producer and manufacturer for type of use and finish indicated, and as follows:
1. Sheet: ASTM B 209 (ASTM B 209M).
  2. Extruded Shapes: ASTM B 221 (ASTM B 221M).

#### **2.3 FIRE-PROTECTION CABINETS**

- A. Cabinet Construction: Provide manufacturer's standard box (tub), with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated. Weld joints and grind smooth. Miter and weld perimeter door frames. Cabinets shall have bubble style doors.
1. Fire-Rated Cabinets: Listed and labeled to meet requirements of ASTM E 814 for fire-resistance rating of wall where it is installed.

- a) Construct fire-rated cabinets with double walls fabricated from 0.0478-inch- (1.2-mm-) thick, cold-rolled steel sheet lined with minimum 5/8-inch- (16-mm-) thick, fire-barrier material.
    - b) Provide factory-drilled mounting holes.
  2. Cabinet Metal: Enameled-steel sheet.
- B. Cabinet Type: Suitable for the following:
  1. For use with 10 lb portable fire extinguisher.
- C. Cabinet Mounting: Suitable for the following mounting conditions:
  1. Recessed: Cabinet box recessed in walls of sufficient depth to suit style of trim indicated.
- D. Cabinet Trim Style: Fabricate cabinet trim in one piece with corners mitered, welded, and ground smooth.
  1. Exposed Trim: One-piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend).
    - a) Flat Trim: 1/4- to 5/16-inch (6- to 8-mm) backbend depth.
- E. Cabinet Trim Material: Manufacturer's standard, as follows:
  1. Aluminum.
- F. Door Material: Manufacturer's standard, as follows:
  1. Aluminum.
- G. Door Glazing: Manufacturer's standard, as follows:
  1. Bubble door shall be convex polycarbonate panel
- H. Door Construction: Fabricate doors according to manufacturer's standards, of materials indicated, and coordinated with cabinet types and trim styles selected.
  1. Provide minimum 1/2-inch- (13-mm-) thick door frames, fabricated with tubular stiles and rails.
- I. Door Hardware: Provide manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated. Provide either lever handle with cam-action latch, or exposed or concealed door pull and friction latch. Provide concealed or continuous-type hinge permitting door to open 180 degrees.

## **2.4 ACCESSORIES**

- A. Identification: Provide lettering to comply with authorities having jurisdiction for letter style, color, size, spacing, and location. Locate as indicated by Architect.
  1. Identify fire extinguisher cabinets with the words "FIRE EXTINGUISHER" lettering applied to the door.

## **2.5 COLORS AND TEXTURES**

- A. Colors and Textures: As selected by Architect from manufacturer's full range for these characteristics.

## **2.6 EXTINGUISHERS**

- A. Multi-purpose chemical extinguishers containing fluidized and siliconized mono ammonium phosphate powder in powder coated, heavy duty steel cylinder with replaceable valve stem seal and visual pressure gauge, pull pin and squeeze grip . Non toxic.
  1. Class: ABC
  2. Manufacturers:
    - a) Basis of Design: JL Industries, Activar. Cosmic 10E, 10 pound.

## **2.7 FINISHES, GENERAL**

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

- C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- D. Cabinet and Door Finishes: Provide manufacturer's standard baked-enamel paint for the following:
  - 1. Exterior of cabinets, except for those surfaces indicated to be aluminum
- E. Aluminum Cabinet Finishes:
  - 1. Finish designations prefixed by AA conform to the system established by the Aluminum Association for designating aluminum finishes.
  - 2. Class II Clear Anodized Finish: AA-M12C22A31 (Mechanical Finish: as fabricated, non-specular; Chemical finish: etched, medium matte; Anodic Coating: Class II Architectural, clear film thicker than 0.4 mil).

## **2.8 STEEL FINISHES**

- A. Surface Preparation: Clean surfaces of dirt, oil, grease, mill scale, rust, and other contaminants that could impair paint bond using manufacturer's standard methods.
- B. Factory Priming for Field-Painted Finish: Apply shop primer specified below immediately after surface preparation and pretreatment.
  - 1. Shop Primer: Manufacturer's or fabricator's standard, fast-curing, lead- and chromate-free, universal primer, selected for resistance to normal atmospheric corrosion, for compatibility with substrate and field-applied finish paint system indicated, and for capability to provide a sound foundation for field-applied topcoats despite prolonged exposure.
  - 2. Baked-Enamel Finish: Immediately after cleaning and pretreating, apply manufacturer's standard two-coat, baked-enamel finish consisting of prime coat and thermosetting top-coat. Comply with paint manufacturer's written instructions for applying and baking to achieve a minimum dry film thickness of 2 mils (0.05 mm).
    - a) Color and Gloss: As selected by Architect from manufacturer's full range.

## **3. EXECUTION**

### **3.1 EXAMINATION**

- A. Examine walls and partitions for suitable framing depth and blocking where recessed and semi-recessed cabinets are to be installed.
- B. Examine fire extinguishers for proper charging and tagging.
  - 1. Remove and replace damaged, defective, or undercharged units.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### **3.2 INSTALLATION**

- A. Comply with manufacturer's written instructions for installing fire-protection specialties.
- B. Install in locations and at mounting heights indicated or, if not indicated, at heights acceptable to authorities having jurisdiction.
  - 1. Prepare recesses for cabinets as required by type and size of cabinet and trim style.
  - 2. Fasten mounting brackets to structure and cabinets, square and plumb.
  - 3. Fasten cabinets to structure, square and plumb.

### **3.3 ADJUSTING, CLEANING, AND PROTECTION**

- A. Adjust cabinet doors that do not swing or operate freely.
- B. Refinish or replace cabinets and doors damaged during installation.
- C. Provide final protection and maintain conditions that ensure that cabinets and doors are without damage or deterioration at the time of Substantial Completion.

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END OF SECTION **10520**

## **SECTION 10801 - TOILET AND BATH ACCESSORIES**

### **1 GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplemental Conditions and Division 1 Specification Section, apply to this Section.

#### **1.2 SUMMARY**

- A. This Section includes the following:
1. Washroom accessories.
  2. Underlavatory guards.
- B. Related Sections include the following:
1. Division 8 Section, "Mirrors" for frameless mirrors.

#### **1.3 SUBMITTALS**

- A. Product Data: For each type of product indicated. Include the following:
1. Construction details and dimensions.
  2. Anchoring and mounting requirements, including requirements for cutouts in other work and substrate preparation.
  3. Material and finish descriptions.
  4. Manufacturer's warranty.
- B. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required.
1. Identify locations using room designations and product designations on Drawings.

#### **1.4 QUALITY ASSURANCE**

- A. Source Limitations: For products listed together in the same articles in Part 2, provide products of same manufacturer unless otherwise approved by Architect.

#### **1.5 COORDINATION**

- A. Coordinate accessory locations with other work to prevent interference with clearances required for access by people with disabilities, and for proper installation, adjustment, operation, cleaning, and servicing of accessories.

#### **1.6 WARRANTY**

- A. Special Mirror Warranty: Manufacturer's standard form in which manufacturer agrees to replace mirrors that develop visible silver spoilage defects and that fail in materials or workmanship within specified warranty period.
1. Warranty Period: 15 years from date of Substantial Completion.

### **2 PRODUCTS**

#### **2.1 MATERIALS**

- A. Stainless Steel: ASTM A 666, Type 304, 0.0312-inch minimum nominal thickness, unless otherwise indicated.
- B. Steel Sheet: ASTM A 1008/A 1008M, Designation CS (cold rolled, commercial steel), 0.0359-inch minimum nominal thickness.
- C. Galvanized Steel Sheet: ASTM A 653/A 653M, with G60 hot-dip zinc coating.
- D. Galvanized Steel Mounting Devices: ASTM A 153/A 153M, hot-dip galvanized after fabrication.
- E. Fasteners: Screws, bolts, and other devices of same material as accessory unit and tamper-and-theft resistant where exposed, and of galvanized steel where concealed.
- F. Chrome Plating: ASTM B 456, Service Condition Number SC 2 (moderate service).

## **2.2 WASHROOM ACCESSORIES**

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. American Specialties, Inc.
  - 2. Bobrick Washroom Equipment, Inc.
  - 3. Bradley Corporation.
- B. Schedule: See Drawings for Toilet Accessory Schedule and sizes.
- C. Mirror supplied under this section will be framed.
- D. Grab Bars:
  - 1. Mounting: Flanges with concealed fasteners.
  - 2. Material: Stainless steel, 0.05 inch thick.
    - a. Finish: Smooth, No. 4, satin finish.

## **2.3 UNDERLAVATORY GUARDS**

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. Plumberex Specialty Products, Inc.
  - 2. TCI Products.
  - 3. Truebro, Inc.

## **2.4 FABRICATION**

- A. General: Fabricate units with tight seams and joints, and exposed edges rolled. Hang doors and access panels with full-length, continuous hinges. Equip units for concealed anchorage and with corrosion-resistant backing plates.
- B. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of six keys to Owner's representative.

## **3 EXECUTION**

### **3.1 INSTALLATION**

- A. Install accessories according to manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.
- B. Grab Bars: Install to withstand a downward load of at least 250 lbf, when tested according to method in ASTM F 446.

### **3.2 ADJUSTING AND CLEANING**

- A. Adjust accessories for unencumbered, smooth operation. Replace damaged or defective items.
- B. Remove temporary labels and protective coatings.
- C. Clean and polish exposed surfaces according to manufacturer's written recommendations.

END OF SECTION 10801