

**SECTION 101426 – POST & PANEL / PYLON SIGNAGE****PART 1: GENERAL****1.1 GENERAL REQUIREMENTS**

- A. Work of this Section includes all labor, materials, equipment, and services necessary to complete the work of this section as shown on the drawings and specified herein, including, but not limited to, the following:
  - 1. Placement, relocation, and/or resetting of traffic signs as indicated on the plans.
  - 2. The replacement of traffic signs damaged or impacted during construction.
  - 3. The provision, maintenance and removal of temporary traffic signs as required or as directed by the Owner.

**1.2 SUBMITTALS**

- A. Shop Drawings: Show shop drawings, not necessarily to scale, but sufficient enough in detail to show color, wording, lettering size and style, overall sign size, construction details and installation details for each type of sign.

**PART 2: PRODUCTS****2.1 TRAFFIC SIGNS**

- A. Construction Materials: Comply with requirements of NYS DOT Section 645.
- B. Posts: Galvanized steel.

**PART 3: EXECUTION****3.1 INSTALLATION**

- A. Erect signs in their designated locations, as indicated and in accordance with the approved shop drawings and the applicable requirements of NYS DOT Section 645.
- B. Protect surfaces and finishes from abrasion and other damage during handling and installation.
- C. Replace damaged or faulty signs.

END OF SECTION

**SECTION 102113: TOILET COMPARTMENTS****PART 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.
- B. Paper Towel, toilet paper & soap dispensers will be provided and installed by the contractor.

**1.2 SUMMARY**

- A. This Section includes solid-polymer units as follows:
  - 1. Toilet Enclosures: Overhead braced.
  - 2. Vanity Screens: Post Supported and Wall hung.
- B. Related Sections include the following:
  - 1. Division 10 "Toilet and Bath Accessories" for toilet tissue dispensers, grab bars, purse shelves, and similar accessories.

**1.3 SUBMITTALS**

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
- C. Samples for Initial Selection: For each type of unit indicated.
- D. Samples for Verification: Of each type of color and finish required for units, prepared on 6-inch- square Samples of same thickness and material indicated for Work. Color to match existing.

**1.4 PROJECT CONDITIONS**

- A. Field Measurements: Verify actual locations of walls, columns, ceilings, and other construction contiguous with toilet compartments by field measurements before fabrication and indicate measurements on Shop Drawings.

**PART 2: PRODUCTS****2.1 SOLID-POLYMER UNITS**

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. Accurate Partitions Corporation.
  2. Ampco.
  3. Bradley Corporation; Mills Partitions.
  4. Capitol Partitions, Inc.
  5. Comtec Industries.
  6. General Partitions Mfg. Corp.
  7. Global Steel Products Corp.
  8. Metpar Corp.
  9. Santana Products, Inc.
  10. Sanymetal; a Crane Plumbing Company.
  11. Weis-Robart Partitions, Inc.
- B. Vanity Screen Panel, Construction: Solid, high-density polyethylene (HDPE) or polypropylene (PP) panel material, not less than 1 inch thick, seamless, with eased edges, and with homogenous color and pattern throughout thickness of material.
1. Color and Pattern: One color and pattern in each room to match existing partition system color and pattern.
- C. Pilaster Construction: Match construction of existing pilasters in compartment system to be modified.
1. Color and Pattern: One color and pattern in each room to match existing partition system color and pattern.
- D. Pilaster Shoes and Sleeves (Caps): Manufacturer's standard design; stainless steel.
- E. Brackets (Fittings):
1. Full-Height (Continuous) Type: Manufacturer's standard design; extruded aluminum or stainless steel.
- F. Heat-Sink Strip: Manufacturer's standard continuous, extruded-aluminum strip fastened to exposed bottom edges of solid-polymer components to prevent burning.

**2.2 ACCESSORIES**

- A. Hardware and Accessories: Manufacturer's standard design, heavy-duty operating hardware and accessories.

1. Material: Chrome-plated, solid brass, clear anodized aluminum, or Stainless steel
- B. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with anti-grip profile and in manufacturer's standard finish.
- C. Support Posts for Vanity Screens: Manufacturer's standard aluminum post with floor shoe for anchoring to floor construction.
- D. Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel or chrome-plated steel or brass, finished to match hardware, with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use hot-dip galvanized or other rust-resistant, protective-coated steel.

## **2.3 FABRICATION**

- A. Overhead-Braced Units: Provide manufacturer's standard corrosion-resistant supports, leveling mechanism, fasteners, and anchors at pilasters to suit floor conditions. Make provisions for setting and securing continuous head rail at top of each pilaster. Provide shoes at pilasters to conceal supports and leveling mechanism.
- B. Match existing hardware to extent possible.

## **PART 3: EXECUTION**

### **3.1 INSTALLATION**

- A. General: Comply with manufacturer's written installation instructions. Install unit's rigid, straight, level, and plumb. Secure units in position with manufacturer's recommended anchoring devices.
  1. Maximum Clearances:
    - a. Pilasters and Panels: 1/2 inch.
    - b. Panels and Walls: 1 inch.
  2. Continuous Wall Brackets: Secure panels to walls and to pilasters with a continuous bracket not more than one inch from the top and bottom of the panel.
    - a. Locate wall brackets so holes for wall anchors occur in masonry or tile joints.
    - b. Align brackets at pilasters with brackets at walls.
- B. Readjustment of Existing Toilet Compartments: Carefully disassemble and protect components to be reused in new configuration. Reassemble in new configuration. Provide new pilasters, accessories, fasteners and other accessories as required for a complete installation in the new configuration.

- C. Overhead-Braced Units: Secure pilasters to floor and level, plumb, and tighten. Secure continuous head rail to each pilaster with not less than two fasteners. Hang doors to align tops of doors with tops of panels and adjust so tops of doors are parallel with overhead brace when doors are in closed position.
- D. Wall-Hung and Post Supported Vanity Screens: Attach with anchoring devices to suit supporting structure. Set units level and plumb and to resist lateral impact.

END OF SECTION

**SECTION 102800: TOILET, BATH, & LAUNDRY ACCESSORIES****PART 1: GENERAL****1.1 SUMMARY**

- A. This Section includes the following:
  - 1. Soap Dispensers
  - 2. Grab Bars
  - 3. Paper Towel Dispensers
  - 4. Toilet Paper Dispensers
  - 5. Mirrors

**1.2 SUBMITTALS**

- A. Product Data: For each type of product indicated.
- B. Product Schedule:
  - 1. Identify locations using room designations indicated on Drawings.

**PART 2: PRODUCTS****2.1 SOAP DISPENSERS**

- A. Soap Dispensers:
  - 1. Existing **soap dispensers** shall be removed carefully by the Contractor to avoid damaged and stored for reuse. Should the Contractor discover any existing damages they shall be reported to the Construction Manager and the Owner will furnish new **soap dispensers** to match existing surface mounted soap dispensers from installation by Contractor. Should the Contractor damage any existing **soap dispensers** during removal, the Contractor shall be responsible for replacing the existing **soap dispenser** in kind.
  - 2. Fasteners to be as recommended by manufacturer for concealed installation appropriate for substrate

**2.2 GRAB BARS**

- A. Grabs Bars:
  - 1. Existing **grab bars** shall be removed carefully by the Contractor to avoid damaged and stored for reuse. Should the Contractor discover any existing damages they shall be reported to the Construction Manager and the Owner will

furnish new **grab bars** to match existing surface mounted soap dispensers from installation by Contractor. Should the Contractor damage any existing **grab bars** during removal, the Contractor shall be responsible for replacing the existing **grab bar** in kind.

2. Stainless Steel Type: Provide grab bars with wall thickness not less than 0.050 inch (18 gage) and as follows:
3. Mounting: Concealed, manufacturer's standard flanges and anchorages, adequate to support a 250 lb (113 kg) load applied in any direction for a period of five minutes.
4. Clearance: 1-1/2 inches (38 mm) clearance between wall surface and inside face of bar.
5. Gripping Surfaces: Smooth, satin finish.
6. Heavy-Duty Size: Outside diameter of 1-1/2 inches (38 mm)

## 2.3 PAPER TOWEL DISPENSERS

### A. Paper Towel Dispensers:

1. Existing **paper towel dispensers** shall be removed carefully by the Contractor to avoid damaged and stored for reuse. Should the Contractor discover any existing damages they shall be reported to the Construction Manager and the Owner will furnish new **paper towel dispensers** to match existing surface mounted soap dispensers from installation by Contractor. Should the Contractor damage any existing **paper towel dispensers** during removal, the Contractor shall be responsible for replacing the existing **paper towel dispenser** in kind.
2. Fasteners to be as recommended by manufacturer for concealed installation appropriate for substrate.

## 2.4 TOILET PAPER DISPENSERS

### A. Toilet Paper Dispensers:

1. Existing **toilet paper dispensers** shall be removed carefully by the Contractor to avoid damaged and stored for reuse. Should the Contractor discover any existing damages they shall be reported to the Construction Manager and the Owner will furnish new **toilet paper dispensers** to match existing surface mounted soap dispensers from installation by Contractor. Should the Contractor damage any existing **toilet paper dispensers** during removal, the Contractor shall be responsible for replacing the existing **toilet paper dispenser** in kind.
2. Fasteners to be as recommended by manufacturer for concealed installation appropriate for substrate.

## 2.5 MIRRORS

### A. Mirrors:

1. Existing **mirrors** shall be removed and disposed of by the Contractor.

2. New **mirrors** shall be provided by the Contractor as indicated on drawings.
3. Fasteners to be as recommended by manufacturer for concealed installation appropriate for substrate.

### **PART 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. Soap Dispensers:
  1. Contractor to install new and relocated soap dispensers in locations indicated on drawings.
  2. Install soap dispensers in accordance with manufacturer's written recommendations with concealed fasteners appropriate for substrate.
- C. Grab Bars:
  1. Contractor to install new grab bars in locations indicated on drawings.
  2. Install grab bars in accordance with manufacturer's written recommendations with concealed fasteners appropriate for substrate.
- D. Paper Towel Dispensers:
  1. Contractor to install new and relocated paper towel dispensers in locations indicated on drawings.
  2. Install paper towel dispensers in accordance with manufacturer's written recommendations with concealed fasteners appropriate for substrate.
- E. Toilet Paper Dispensers:
  1. Contractor to install new and relocated toilet paper dispensers in locations indicated on drawings.
  2. Install toilet paper dispensers in accordance with manufacturer's written recommendations with concealed fasteners appropriate for substrate.
- F. Mirrors:
  1. Contractor to install new mirrors in locations indicated on drawings.
  2. Install new mirrors in accordance with manufacturer's written recommendations with concealed fasteners appropriate for substrate.

END OF SECTION



## **SECTION 104416: FIRE EXTINGUISHERS**

### **PART 1: GENERAL**

#### **1.1 WORK INCLUDED**

- A. Fire Extinguishers
- B. Cabinets
- C. Accessories

#### **1.2 REFERENCES**

- A. NFPA 10 - Portable Fire Extinguishers
- B. ADA Accessibility Guidelines
- C. UBC Standard 7-5 (ASTM E-814-83) - Fire-rated cabinet option for combustible and non-combustible walls

#### **1.3 QUALITY ASSURANCE**

- A. Conform to NFPA 10 requirements for portable fire extinguishers.
- B. Provide fire extinguishers. Cabinets and accessories are by single manufacturer.

#### **1.4 SUBMITTALS**

- A. Submit product data in compliance with Section 01 33 00.

### **PART 2: PRODUCTS**

#### **2.1 FIRE EXTINGUISHER CABINETS**

- A. Where indicated on drawings, provide fire extinguisher cabinet with full clear acrylic door. Door and trim to be fabricated from aluminum. Special painted surfaces, color anodized aluminum, and graphics as indicated.
- B. Provide cabinets with fire-rated option, if applicable.

#### **2.2 ACCESSORIES**

- A. Fire Blankets and Cabinets
- B. Vigilante Cabinet Alarm

C. Extinguisher Brackets

### **PART 3: EXECUTION**

#### **3.1 INSPECTION**

A. Verify that rough openings for cabinets are correctly sized and located.

#### **3.2 INSTALLATION**

A. Install the items of this Section in strict accordance with the original design, approved shop drawings, and requirements of agencies having jurisdiction, as approved by the Architect, anchoring all components firmly into position.

END OF SECTION

**SECTION 105113: METAL LOCKERS****PART 1: GENERAL****1.1 RELATED DOCUMENTS**

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

**1.2 SUMMARY**

- A. This Section includes the following:
  - i. Single Tier

**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: Show lockers in detail, method of installation, fillers, trim, base and accessories. Include locker numbering sequence information.
- C. Samples for verification: Submit one full-size locker sample for evaluation. Adherence to the specification is required. Locker submitted must meet specification regardless of manufacturer's standard product. Submit manufacturer's technical data and installation instructions for metal locker units.
- D. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals specified in Division 1.

**1.4 QUALITY ASSURANCE**

- A. Uniformity and Single Manufacturer Requirements: Provide each type of metal locker as produced by a single manufacturer, including necessary mounting accessories, fittings, and fastenings.
- B. Installers Qualifications: Lockers to be installed by an experienced agent of the manufacturer.

**1.5 DELIVERY, STORAGE, AND HANDLING**

- A. Packing and Shipping: Do not deliver metal lockers until building is enclosed and ready for locker installation.
- B. Storage and Protection: Protect materials from damage during delivery, handling, storage, and installation.

**1.6 WARRANTY**

- A. Locker manufacturer shall warrant the locker for the lifetime use of the original purchaser from date of shipment. Warranty shall include all defects in material and workmanship, excluding finish, vandalism and improper installation.

**PART 2: PRODUCTS**

## 2.1 MANUFACTURERS

- A. Acceptable Manufacturers: Subject to compliance with requirements of the Contract Documents, acceptable manufacturers are as follows:
- B. DeBourgh Manufacturing Company or equal.

## 2.2 FABRICATION

- A. Locker Construction
  - 1. Lockers to be welded at seams and joints with exposed welds sanded smooth.
  - 2. No bolts, screws or rivets to be used in assembly of locker units.
  - 3. Ship lockers set-up, ready to be anchored in place in accordance with manufacturer's instructions.
- B. Body of Lockers
  - 1. Sides and Intermediate Partitions: Constructed of 1-inch by 1-inch by 1/8-inch steel angle iron frame with 3/4 inch, 13 gauges, bond sheared, flattened expanded metal welded to steel angle frames. Formed sheet steel locker frames are not acceptable.
  - 2. Exposed End Panels: Constructed of 1 inch by 1 inch by 1/8 inch steel angle iron frame with 16 gauge sheet steel welded to steel angle frame.
  - 3. Backs: Solid sheet of 18 gauge cold rolled sheet steel welded to frames of sides and intermediate partitions.
  - 4. Shelves and Tier Dividers: Constructed of 16 gauge cold rolled sheet steel welded to side and intermediate partition construction. Shelves provided in lockers 60-inches and taller, located to provide a minimum of 12 inches clearance.
- C. Doors
  - 1. 1 inch by 1 inch by 1/8 inch angle iron frame with inserts of (available only when used with Sentry I latching):
  - 2. 3/4 inch, 13 gauge bonds sheared expanded metal permitting 73% ventilation. An additional 13 gauge steel handle panel with 16 gauge cold rolled steel back panel will be securely welded to the center span of the door. All horizontal mesh edges shall be concealed with an additional steel formation welded to the door.
  - 3. Diamond perforated – permitting 37% ventilation.
  - 4. Secur-N-Vent – three-dimensional vertical vents formed on fronts and backs of door permitting a minimum of 21% ventilation.
  - 5. Louvered – traditional six louvers at top and bottom of door allowing 7% ventilation.
  - 6. 14 gauge formed doors constructed of single piece cold rolled steel with double bends on vertical sides and a single bend on horizontal sides (available with the above ventilation styles excluding mesh).
- D. Latching
  - 1. Sentry II Recessed Gravity Latch:
  - 2. Door containing stainless steel cup recessed into formed door (doors 18 inches and higher).
  - 3. 12 gauge steel finger lift mechanism.
  - 4. Spring activated nylon slide latch enclosed in steel latch channel allows closing of door while padlock or built-in lock is in position.
  - 5. Rubber bumpers riveted to door stops for silent operation.

- E. Hinges:
  - 1. Hinges to be 3 inch, five knuckles, 14 gauge heavy-duty fast pin welded to both door and frame.
  - 2. Locker doors 42 inches high or less shall have 2 hinges.
  - 3. Doors over 42 inches shall have 3 hinges.
- F. Slope Tops:
  - 1. Provide 18 gauge all welded slope top with 25 degree pitch, attached at factory
  - 2. with concealed fasteners. Slope top to be in addition to standard 16 gauge flat top.
- G. Closed Bases:
  - 1. 4" high, 14 gauges welded steel base enclosed on all four sides securely welded to locker bottom.
- H. Legs:
  - 1. 6", 14 gauge gusset style legs securely welded to locker bottom.
- I. Reinforced Bottom:
  - 1. Provide 16 gauge spacer channel welded to locker bottom from front to back for a more secure installation (when closed bases are not used).
- J. Filler Panels: Manufacturer's standard fabricated from 18 gauge solid steel finished to match lockers. Provide slip joint fillers angle formed to receive filler panel.
- K. Finish:
  - 1. Complete locker unit to be thoroughly cleaned, phosphatized and sealed.
  - 2. Finish being baked pure TGIC polyester powder coat with a minimum 2-3 mil thickness.
  - 3. Color of lockers shall be chosen from manufacturer's 47 standard colors.

## 2.3 LOCKER ACCESSORIES

- A. Interior Equipment: Furnish each locker with the following items, unless otherwise indicated:
  - 1. Hooks:
    - a. Hooks to be heavy-duty forged steel with ball ends and zinc plated.
    - b. Provide two single wall hooks and one double ceiling hook in each locker opening 20 inches or taller.

## 2.4 BENCHES

- A. Bench tops to be made of butcher block, maple hardwood 1-1/4 inches thick and 9-1/2 inches wide. Apply double coat of satin-gloss sealer for protection.
- B. Pedestals:
  - 1. Heavy Duty Pedestals: Heavy duty cast iron bell shaped base with a diameter of 7-3/4 inches threaded for 1-1/2 inch pipe. The pedestal is secured to the floor with a 1/2 inch by 5-1/2 inch concealed concrete anchor. Overall pedestal height is 16 inches. Misty Gray powder coat is standard, with optional standard color choice available.
  - 2. Standard Duty Pedestal: 1-5/16 inch steel tubing welded to a 7-3/4 inch diameter base and top flange. All parts are finished with zinc plating. Overall pedestal height is 16-1/4 inches.
  - 3. Moveable Pedestal: Gold anodized aluminum channel 1/8 inches thick by 3 inches wide. The trapezoidal shape measures 13-3/4 inches at the base. Overall pedestal height is 16 inches. To guard against skidding and scratching, a nonabrasive rubber pad is attached to the bottom of each leg.

## **PART 3: EXECUTION**

### **3.1 INSTALLATION**

#### **A. Wall Installation**

1. Securely anchor every locker to wall and/or floor before use. Installation hardware to be determined based upon wall/floor construction.
2. Tie adjacent locker units by bolting at four points, two at top and two at bottom, using ¼ inch cadmium plated bolts.

### **3.2 ADJUSTING**

- #### **A. General Requirements:** Upon completion of installation, inspect lockers and adjust for proper door and locking mechanism operation.

### **3.3 CLEANING**

#### **A. General Requirements:**

1. Clean interior and exposed exterior surfaces, removing debris, dust, dirt and foreign substances on exposed surfaces.
2. Touch up scratches and abrasions to match original finish.
3. Polish stainless steel and non-ferrous metal surfaces.
4. Replace locker units that cannot be restored to factory-finished appearance.
5. Use only materials and procedures recommended by locker manufacturer.

END OF SECTION