

**Part 1 General**

**1.1 RELATED REQUIREMENTS**

**1.2 REFERENCES**

- .1 ASTM International
  - .1 ASTM A480/A480M -14a, Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting, Sheet, and Strip.
- .2 Canadian General Standards Board (CGSB)
  - .1 CAN/CGSB-71.20-M88, Adhesive, Contact, Brushable.
- .3 CSA Group
  - .1 CSA B651-12, Accessible Design for the Built Environment.
- .4 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
  - .1 Material Safety Data Sheets (MSDS).

**1.3 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
  - .1 Submit manufacturer's instructions, printed product literature and data sheets for plastic toilet compartments and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
- .4 Indicate fabrication details, plans, elevations, hardware, and installation details.

**1.4 DELIVERY, STORAGE AND HANDLING**

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
  - .1 Store materials indoors, off ground and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
  - .2 Store and protect specified materials from nicks, scratches, and blemishes.
  - .3 Replace defective or damaged materials with new.

**Part 2 Products**

2.1 Hiny Hiders by Scranton Products or approved equivalent in accordance with B7.

**2.2 MATERIALS**

.1 Doors, Panels and Pilasters:

.1 High density polyethylene (HDPE), fabricated from polymer resins compounded under high pressure, forming single thickness panel.

.2 Waterproof and nonabsorbent, with self-lubricating surface, resistant to marks by pens, pencils, markers, and other writing instruments.

.3 1 inch thick with edges rounded to 1/4 inch radius.

.4 Color: To be selected from manufacturer's full color range.

.2 Aluminum Extrusions: ASTM B221, 6463-T5 alloy and temper.

.3 Stainless Steel: ASTM A167, Type 304.

**2.3 HARDWARE**

.1 Hinges:

.1 8 inches long, fabricated from heavy-duty extruded aluminum with bright dip anodized finish, wrap-around flanges, adjustable on 30-degree increments, through bolted to doors and pilasters with stainless steel, Torx head sex bolts.

.2 Hinges operate on field-adjustable nylon cams, field adjustable in 30 degree increments.

.2 Door Strike and Keeper:

.1 6 inches long, fabricate from heavy-duty extruded aluminum with bright dip anodized finish, with wrap-around flanges secured to pilasters with stainless steel tamper resistant Torx head sex bolts.

.2 Bumper: Extruded black vinyl.

.3 Latch and Housing:

.1 Heavy-duty extruded aluminum.

.2 Latch housing: Bright dip anodized finish.

.3 Slide bolt and button: Black anodized finish.

.4 Coat Hook/Bumper:

.1 Combination type, chrome plated Zamak.

.2 Equip outswing handicapped doors with second door pull and door stop.

.5 Door Pulls: Chrome plated Zamak.

## **2.4 COMPONENTS**

- .1 Doors and Dividing Panels: 55 inches high, mounted 14 inches above finished floor, with aluminum heat-sinc fastened to bottom edges.
- .2 Pilasters: 82 inches high, fastened to pilaster sleeves with stainless steel tamper resistant Torx head sex bolt.
- .3 Pilaster Sleeves: 3 inches high, 20 gage stainless steel, secured to pilaster with stainless steel tamper resistant Torx head sex bolt.
- .4 Wall Brackets: 54 inches long, heavy-duty aluminum, bright dip anodized finish, fastened to pilasters and panels with stainless steel tamper resistant Torx head sex bolts.
- .5 Headrail: Heavy-duty extruded aluminum, anti-grip design, clear anodized finish, fastened to headrail bracket with stainless steel tamper resistant Torx head sex bolt and at top of pilaster with stainless steel tamper resistant Torx head screws.
- .6 Headrail Brackets: 20 gauge stainless steel, satin finish, secured to wall with stainless steel tamper resistant Torx head screws.

## **Part 3 Execution**

### **3.1 EXAMINATION**

- .1 Verification of Conditions: verify that conditions of substrate are acceptable for plastic toilet compartments installation in accordance with manufacturer's written instructions.
  - .1 Visually inspect substrate.
  - .2 Inform Contract Administrator of unacceptable conditions immediately upon discovery.
  - .3 Proceed with installation only after unacceptable conditions have been remedied.

### **3.2 INSTALLATION**

- .1 Ensure supplementary anchorage, if required, is in place.
- .2 Do work in accordance with CSA B651.

### **3.3 ERECTION**

- .1 Partition erection:
  - .1 Install partitions secure, plumb and square.
  - .2 Leave 12 mm space between wall and panel or end pilaster.
  - .3 Anchor mounting brackets to masonry or concrete surfaces using screws and shields: to hollow walls using bolts and toggle type anchors.
  - .4 Attach panel and pilaster to brackets with through type sleeve bolt and nut.

- .5 Provide for adjustment of floor variations with screw jack through steel saddles made integral with pilaster. Conceal floor fixings with stainless steel shoes..
- .6 Equip each door with hinges, latch set, and each stall with coat hook mounted on door. Adjust and align hardware for proper function. Set door open position at 30 degrees to front. Install door bumper.
- .2 Floor supported and overhead braced partition erection:
  - .1 Attach pilasters to floor with pilaster supports and level, plumb, and tighten installation with levelling device.
  - .2 Secure pilaster shoes in position.
  - .3 Secure headrail to pilaster face with not less than two fasteners per face.
  - .4 Set tops of doors parallel with overhead brace when doors are in closed position.
- .3 Screen erection:
  - .1 Provide urinal stall screens consisting of panel as indicated.
  - .2 Anchor screen panels to walls with 3 panel brackets and vertical upright consisting of tubular headrail stock and end sockets, anchored to ceiling.

### **3.4 CLEANING**

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
  - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

**END OF SECTION**

## **Part 1 General**

### **1.1 REFERENCES**

- .1 Canadian General Standards Board (CGSB)
  - .1 CAN/CGSB-44.40-01, Steel Clothing Locker.

### **1.2 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Submit submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
  - .1 Provide manufacturer's printed product literature and data sheets for metal lockers and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
  - .1 Indicate on drawings: type and class of locker, thicknesses of metal, fabricating and assembly methods, assembled banks of lockers, tops, rods, hooks, shelves, bases, trim, numbering, filler panels, end/back panels, doors, handles, locking method, ventilation method and finishes.

### **1.3 DELIVERY, STORAGE AND HANDLING**

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements:
  - .1 Deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
  - .1 Store materials in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
  - .2 Store and protect metal lockers from nicks, scratches, and blemishes.
  - .3 Replace defective or damaged materials with new.

## **Part 2 Products**

### **2.1 MANUFACTURED UNITS**

- .1 Lockers: to CAN/CGSB-44.40, Type 1-Single full-height locker.
  - .1 President Series Operated Locker by Shanahan's or approved equivalent in accordance with B7.
- .2 Size: 305 mm wide x 457 mm deep x 1829 mm high, stainless steel thickness 16 gauge type 304 ASTM A240 #4 finish.
  - .1 Top: sloped.
  - .2 Doors: one-piece double-wall envelope construction.

- .3 Door handle: recessed handle.

## **2.2 ACCESSORIES**

- .1 Locking system: coin operated stainless steel locking mechanism supplied by locker manufacturer.
- .2 Options: to CAN/CGSB-44.40, Stainless steel fillers and end panels as required, number plates and coat hooks to manufacturer's standards.

## **Part 3 Execution**

### **3.1 EXAMINATION**

- .1 Verification of Conditions: verify conditions of existing substrates and surfaces to receive metal lockers are acceptable for product installation in accordance with manufacturer's instructions prior to metal locker installation.
- .2 Inform Contract Administrator of unacceptable conditions immediately upon discovery.
- .3 Proceed with installation only after unacceptable conditions have been remedied.

### **3.2 INSTALLATION**

- .1 Assemble and install lockers in accordance with manufacturer's written instructions.
- .2 Securely fasten lockers to base and wall.
- .3 Install filler panels (false fronts) where obstructions occur.
- .4 Install finished end panels to exposed ends of locker banks.
- .5 Install locker numbers.

### **3.3 ADJUSTING**

- .1 Adjust metal lockers for correct function and operation in accordance with manufacturer's written instructions.
- .2 Lubricate moving parts to operate smoothly and fit accurately.

### **3.4 CLEANING**

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
  - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

### **3.5 PROTECTION**

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by metal locker installation.

**END OF SECTION**