1. Section 102113.13   
   Metal Toilet Compartments
   1. PART 1  GENERAL
      1. SECTION INCLUDES
         1. Metal toilet compartments.
         2. **<< Urinal; and  Vestibule>>** screens.
         3. Shower compartments.
      2. RELATED REQUIREMENTS
         1. Section **051200 - Structural Steel Framing**:  Concealed steel support members.
         2. Section **055000 - Metal Fabrications**:  Concealed steel support members.
         3. Section **061000 - Rough Carpentry**:  Blocking and supports.
         4. Section **102800 - Toilet, Bath, and Laundry Accessories**.
         5. Section **\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_**:  Shower compartment construction.
      3. REFERENCE STANDARDS
         1. ASTM A424/A424M - Standard Specification for Steel, Sheet, for Porcelain Enameling; 2018.
         2. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.
         3. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2023.
      4. ADMINISTRATIVE REQUIREMENTS
         1. Coordination:  Coordinate the work with placement of support framing and anchors in walls and ceilings.
      5. SUBMITTALS
         1. See Section **013000 - Administrative Requirements**, for submittal procedures.
         2. Shop Drawings:  Indicate partition plan, elevation views, dimensions, details of **<< wall;  floor; and  ceiling>>** supports, door swings.
         3. Product Data:  Provide data on panel construction, hardware, and accessories.
         4. Samples:  Submit **<< two; or  \_\_\_\_\_\_\_>>** samples of partition panels, **\_\_\_\_x\_\_\_\_ inch (\_\_\_\_x\_\_\_\_ mm)** in size illustrating panel finish, color, and sheen.
         5. Manufacturer's Installation Instructions:  Indicate **<< special procedures;  perimeter conditions requiring special attention; and  \_\_\_\_\_\_\_\_>>**.
   2. PART 2  PRODUCTS
      1. MANUFACTURERS
         1. Metal Toilet Compartments:
            1. Hadrian​**<< ; Hadrian - Standard Series - Powder Coated;  ; Hadrian - Standard Series - Stainless;  ; \_\_\_\_\_; or  None - N/A>>**​:  www.hadrian-inc.com/#sle.
            2. Substitutions:  **<< Section 016000 - Product Requirements; or  Not permitted>>**.
      2. MATERIALS
         1. Steel Sheet:  Hot-dipped galvanized steel sheet, ASTM A653/A653M, with **<< G90/Z275;  G60/Z180; or  \_\_\_\_\_\_>>** coating.
         2. Steel Sheet**<< for Porcelain Enameling; or  None - N/A>>**:  ASTM A424/A424M, Type I, Commercial Steel.
         3. Stainless Steel Sheet:  ASTM A666, Type 304.
      3. COMPONENTS
         1. Toilet Compartments:  **<< Powder coated;  Baked enamelled or powder coated;  Stainless;  Porcelain enamelled; or  \_\_\_\_\_\_>>** steel, **<< floor-mounted unbraced;  floor-mounted headrail-braced;  floor-to-ceiling;  ceiling-hung;  wall-hung; or  \_\_\_\_\_\_>>**.
         2. Doors, Panels, and Pilasters:  Sheet steel faces, pressure bonded to sound-deadening core, corners made with corner clips or mitered, welded, and ground smooth.
            1. Panel Faces:  **<< 22 gauge, 0.0299 inch (0.76 mm);  20 gauge, 0.0359 inch (0.91 mm); or  \_\_\_\_ gauge, \_\_\_ inch (\_\_\_\_ mm)>>**.
            2. Door Faces:  **<< 22 gauge, 0.0299 inch (0.76 mm);  20 gauge, 0.0359 inch (0.91 mm); or  \_\_\_\_ gauge, \_\_\_ inch (\_\_\_\_ mm)>>**.
            3. Pilaster Faces:  **<< 22 gauge, 0.0299 inch (0.76 mm);  20 gauge, 0.0359 inch (0.91 mm);  18 gauge, 0.0478 inch (1.21 mm);  16 gauge, 0.0598 inch (1.52 mm); or  \_\_\_\_ gauge, \_\_\_ inch (\_\_\_\_ mm)>>**.
            4. Reinforcement:  **<< 12 gauge, 0.1046 inch (2.66 mm); or  \_\_\_ gauge, \_\_\_ inch (\_\_\_\_ mm)>>**.
            5. Internal Reinforcement:  Provide in areas of attached hardware and fittings.  Mark locations of reinforcement for partition mounted washroom accessories.
         3. Door and Panel Dimensions:
            1. Thickness:  **<< 1 inch (25 mm); or  \_\_\_\_ inch (\_\_\_\_ mm)>>**.
            2. Door Width:  **<< 24 inches (610 mm); or  \_\_\_\_ inches (\_\_\_\_ mm)>>**.
            3. Door Width for Handicapped Use:  **<< 36 inch (915 mm); or  \_\_\_\_ inch (\_\_\_\_\_\_ mm)>><< , out-swinging; or  None - N/A>>**.
            4. Height:  **<< 58 inches (1473 mm);  63-1/2 inches (1613 mm);  72 inches (1829 mm); or  \_\_\_\_ inches (\_\_\_\_ mm)>>**.
         4. Pilasters:   **1-1/4 inch (32 mm)** thick, of sizes required to suit compartment width and spacing.
         5. **<< Urinal; and  Vestibule>>** Screens:  Wall mounted with **<< two; or  \_\_\_\_>>** panel brackets, and floor-to-ceiling vertical upright consisting of **<< pilaster; or  tubular headrail stock and sockets>>** anchored to floor and ceiling.
         6. Urinal Screen Splash Panels:  Stainless steel sheet **<< 30 inch (76 mm); or  \_\_\_\_ inch (\_\_\_\_ mm)>>** wide by **<< 42 inch (1,066 mm); or  \_\_\_\_ inch (\_\_\_\_ mm)>>** high  mounted on partitions adjacent to urinals.  Fasten with stainless steel screws spaced **<< 8 inches (20 mm); or  \_\_\_\_ inches (\_\_\_\_ mm)>>** on center.
      4. ACCESSORIES
         1. Pilaster Shoes:  Formed **<< ASTM A666 Type 304 stainless steel with No.4 finish;  ASTM A666 Type 304 stainless steel with \_\_\_\_ finish;  chromed steel with polished finish;  chromed steel with satin finish; or  \_\_\_\_\_\_\_>>**, **<< 3 inches (175 mm); or  \_\_\_\_ inches (\_\_\_\_ mm)>>** high, concealing **<< floor; and  ceiling>>** fastenings.
            1. Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster.
            2. Provide ceiling attachment using **<< two; or  \_\_\_>>** adjustable hanging studs, attached to above-ceiling framing.
         2. Head Rails:  Hollow **<< anodized aluminum;  stainless steel; or  \_\_\_\_\_>>** tube, **<< 1 by 1-5/8 inches (25 by 41 mm); or  \_\_\_\_ by \_\_\_\_ inches (\_\_\_\_ by \_\_\_\_ mm)>>** in size, with**<<  anti-grip strips and;    \_\_\_\_\_; or  None - N/A>>** cast socket wall brackets.
         3. Brackets:  **<< Polished chrome-plated non-ferrous cast metal;  Polished stainless steel;  Satin chrome-plated non-ferrous cast metal;  Satin stainless steel;  Anodized aluminum, \_\_\_\_\_\_\_\_ color;  Anodized aluminum, color as selected; or  \_\_\_\_\_\_\_>>**.
         4. Attachments, Screws, and Bolts:  **<< Chrome-plated steel;  Stainless steel; or  \_\_\_\_\_>><< , tamper-proof type;  , \_\_\_\_\_; or  None - N/A>>**.
            1. For attaching panels and pilasters to brackets:  Through-bolts and nuts **<< ; tamper proof; or  None - N/A>>**.
         5. Hardware:  **<< Polished; or  Satin>><< chrome plated non-ferrous cast metal;  stainless steel; or  \_\_\_\_\_\_>>**:
            1. Pivot hinges, gravity type, adjustable for door close positioning; two per door.
            2. Nylon bearings.
            3. Thumb turn or sliding door latch**<<  with exterior emergency access feature; or  None - N/A>>**.
            4. Door strike and keeper with rubber bumper; mounted on pilaster in alignment with door latch.
            5. Coat hook with rubber bumper; one per compartment, mounted on **<< door; or  panel>>**.
            6. Provide door pull for outswinging doors.
      5. FINISHING
         1. **<< Powder-Coated ;  \_\_\_\_\_  ; or  None - N/A>>**Steel Compartments:  Manufacturer's standard process. Clean, degrease, and neutralize.
         2. **<< Baked Enamel ;  \_\_\_\_\_  ; or  None - N/A>>**Steel Compartments:  Manufacturer's standard process. Clean, degrease, and neutralize. Follow immediately with phosphatizing treatment, prime coat, and two finish coats.
         3. Color:  **<< \_\_\_\_\_\_\_;  Single color as selected; or  Two colors as selected>>**.
         4. Colors:  **<< \_\_\_\_\_\_\_\_; or  Color as selected>>** for **<< door; or  \_\_\_\_\_\_\_\_>>**; **<< \_\_\_\_\_\_\_\_; or  color as selected>>** for **<< panels;  pilasters; and  \_\_\_\_\_\_\_\_>>**.
         5. Stainless Steel Compartments:  **<< No. 4; or  \_\_\_\_>>** finish.
   3. PART 3  EXECUTION
      1. EXAMINATION
         1. Verify existing conditions before starting work.
         2. Verify that field measurements are as **<< indicated;  indicated on shop drawings;  instructed by the manufacturer; or  \_\_\_\_\_>>**.
         3. Verify correct spacing of and between plumbing fixtures.
         4. Verify correct location of built-in framing, anchorage, and bracing.
      2. INSTALLATION
         1. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
         2. Maintain **<< 3/8 to 1/2 inch (9 to 13 mm); or  \_\_\_\_\_\_\_\_ inch (\_\_\_\_\_\_\_\_ mm)>>** space between wall and panels and between wall and end pilasters.
         3. Attach panel brackets securely to walls using anchor devices.
         4. Attach panels and pilasters to brackets.  **<< Locate head rail joints at pilaster center lines.; or  None - N/A>>**
         5. Field touch-up of scratches or damaged enamel finish will not be permitted.  Replace damaged or scratched materials with new materials.
      3. TOLERANCES
         1. Maximum Variation From True Position:  **<< 1/4 inch (6 mm); or  \_\_\_\_ inch (\_\_\_\_ mm)>>**.
         2. Maximum Variation From Plumb:  **<< 1/8 inch (3 mm); or  \_\_\_\_ inch (\_\_\_\_ mm)>>**.
      4. ADJUSTING
         1. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding **3/16 inch (5 mm)**.
         2. Adjust hinges to position doors in **<< partial opening; or  full closed>>** position when unlatched.  Return out swinging doors to closed position.
         3. Adjust adjacent components for consistency of line or plane.
      5. SCHEDULES
         1. Toilet Room 204:  Three toilet stalls of floor mounted, head rail braced type; two urinal screens with pilaster bracing; two contrasting colors as selected.
         2. Staff Washroom:  One toilet stall of ceiling mounted type; single color as selected.
2. END OF SECTION