1. Section 102800   
   Toilet, Bath, and Laundry Accessories - ASI
   1. PART 1  GENERAL
      1. SECTION INCLUDES
         1. Baby changing stations.
         2. Feminine hygiene vendors and disposals.
         3. Grab bars.
         4. Hand dryers.
         5. Mirrors.
         6. Paper towel combination units.
         7. Soap and hand sanitizer dispensers.
         8. Specialty accessories.
         9. Toilet tissue dispensers.
      2. RELATED REQUIREMENTS
      3. Section 088300 - Mirrors:  Other mirrors.
      4. REFERENCE STANDARDS
         1. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials Current Edition.
         2. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design 2010.
         3. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test 2015 (Reaffirmed 2020).
         4. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products 2017.
         5. ASTM A269/A269M - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service 2015a (Reapproved 2019).
         6. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2020.
         7. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar 2015.
         8. ASTM B86 - Standard Specification for Zinc and Zinc-Aluminum (ZA) Alloy Foundry and Die Castings 2018, with Editorial Revision (2021).
         9. ASTM B456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium 2017.
         10. ASTM C1036 - Standard Specification for Flat Glass 2021.
         11. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass 2018.
         12. ASTM C1503 - Standard Specification for Silvered Flat Glass Mirror 2018.
         13. ASTM F2285 - Standard Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use 2004, with Editorial Revision (2016).
         14. ICC A117.1 - Accessible and Usable Buildings and Facilities 2017.
      5. ADMINISTRATIVE REQUIREMENTS
         1. Coordinate work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.
      6. SUBMITTALS
         1. See Section 013000 - Administrative Requirements for submittal procedures.
         2. Product Data:  Submit data on accessories describing size, finish, details of function, and attachment methods.
         3. Samples:  Submit two samples of each accessory, indicating color and finish.
         4. Manufacturer's Installation Instructions:  Indicate special procedures and conditions requiring special attention.
   2. PART 2  PRODUCTS
      1. MANUFACTURERS
         1. Basis of Design Manufacturer:  American Specialties, Inc:  www.americanspecialties.com/#asi
         2. Substitutions:  ​Not permitted​.
      2. Baby Changing Stations
         1. Baby Changing Station:  Wall-mounted folding baby changing station for use in commercial toilet facilities, meeting or exceeding ASTM F2285.
            1. Minimum Rated Load:  250 lb (113.4 kg).
            2. Products:

Model 9018 - Recessed - Baby Changing Station - Horizontal - Stainless Steel.

* + 1. Feminine Hygiene Vendors and Disposals
       1. Combination Sanitary Napkin/Tampon Dispenser with Disposal:  Stainless steel.
          1. Mounting:  As indicated in product listing.
          2. Door:  Seamless 18 gauge, 0.05 inch (1.3 mm) door with returned edges and tumbler lock.
          3. Cabinet:  Fully welded, 22 gauge, 0.03 inch (0.8 mm) thick sheet.
          4. Operation:  As indicated in product listing.  Provide coin slots and locked coin box, separately keyed, where coin operation is indicated.
          5. Capacity:  As indicated in product listing.
          6. Products:

Model 9468-25 - 25 cent Operation - Profile Collection - Sanitary Napkin (30) and Tampon (25) Dispenser - Recessed.

* + - 1. Sanitary Napkin Disposal Unit:  Stainless steel, self-closing door, locking bottom panel with full-length heavy-duty stainless steel multi-staked piano hinge, removable receptacle.
         1. Products:

Model 20852 - Roval Collection - Sanitary Waste Receptacle - Surface-mounted.

**[OR see section B. for other option]​**

Model 9471 - Profile Collection - Sanitary Napkin Disposal - Recessed.

* + 1. Grab Bars
       1. Grab Bars:  Type 304 stainless steel.
          1. Standard Duty Grab Bars:

Push/Pull Point Load:  250 lbf (1112 N), minimum.

OD:  As indicated in product listing.

Tubing Thickness:  18 gauge, 0.05 inch (1.3 mm).

Flange Mounting:  As indicated in product listing.

Flange Thickness:  11 gauge, 0.125 inch (3.2 mm)

Clearance:  1-1/2 inch (38 mm) clearance between wall and inside of grab bar.

Length and Configuration:  ​As indicated on drawings​.

Products:

Model 3801-​​​[\_\_\_\_\_]​​​ length - Snap Flange, ​​​1-1/2 inch (38 mm)​​​ OD, ​​​Smooth​​​ - Straight Grab Bar.

* + 1. Hand Dryers **[AND/OR SEE SECTION 2.07]**
       1. Electric  Hand Dryers:  Traditional fan-in-case type.
          1. Operation:  Automatic, sensor-operated on and off.
          2. Mounting:  As indicated in product listing.
          3. Nozzle Type:  As indicated on Technical Data Sheet for selected ASI model.
          4. Cover:  As indicated in product listing.

Color:  As indicated in product listing.

Tamper-resistant screw attachment of cover to mounting plate.

* + - * 1. Supply Voltage:  As indicated on drawings.
        2. Drying Time:  Less than ​15​ seconds.
        3. Sound Pressure:  ​68-74​ dB(A) measured at ​6.56 feet (2.0 m)​ from the unit.
        4. Products:

Model 0196​-93 - Satin Stainless Steel​ - Turbo-Pro - Automatic High Speed Hand Dryer - HEPA Filter - ADA Compliant - ​(110-120V)​ - Surface-mounted.

* + 1. Mirrors
       1. Mirrors:  Stainless steel framed, ​1/4 inch (6 mm)​ thick ​tempered safety glass, ASTM C1048​.
          1. Annealed Float Glass:  Silvering, protective and physical characteristics in compliance with ASTM C1503.
          2. Products:

Mirror Glass:  Tempered safety glass, ASTM C1048

Model 0600- B Series - Stainless Steel Inter-Lok Angle Frame -

* + 1. Paper Towel Combination Units
       1. Combination Towel Dispenser/Waste Receptacle:  Stainless steel; seamless wall flanges, continuous heavy-duty stainless steel multi-staked piano hinges, tumbler locks on upper and lower doors.
          1. Products:

Model 94696​AC - (110-240V)​ - Profile Collection - Automatic Paper Towel Dispenser and Waste Receptacle - Roll - ​10 gal (38 L)​ - Recessed.

**[OR see section B. for other option]**​

Model 94676 - Profile Collection - Paper Towel Dispenser and Waste Receptacle - Multi, C-Fold - ​8 gal (40 L)​ - Recessed.

* + 1. Soap and Hand Sanitizer Dispensers
       1. Automated Soap Dispenser:  Liquid soap dispenser **[OR]** Foam soap dispenser.
          1. Products:

Model 20364 - Roval Collection - Automatic Soap Dispenser - Liquid  - Battery - Surface-mounted.

**[OR see section B. or C. for other option]**​

Model 20365 - Roval Collection - Automatic Soap Dispenser - Foam - Battery - Surface-mounted.

Model 0338 TOP FILL, MULTI-FEED LIQUID SOAP DISPENSERS - Liquid - Counter mounted

* + 1. Specialty Accessories
       1. Seat Cover Dispenser:  Stainless steel, reloading by concealed opening at base, tumbler lock.
          1. Mounting:  As indicated in product listing.
          2. Minimum Capacity:  250 seat covers.
          3. Products:

Model 9477​ - Recessed​ - Profile Collection - Toilet Seat Cover Dispenser.

* + 1. TOILET Tissue DISPENSERS
       1. Toilet Tissue Dispenser:  Roll-in-reserve type, designed to allow automatic activation of reserve roll when needed, or manual activation by pressing release bar, semi-recessed, stainless steel unit with pivot hinge, tumbler lock.
          1. Products:

Model 9030 - Surface-mounted - Profile Collection - Toilet Tissue Dispenser - Twin Hide-A-Roll.

**[OR see section B. for other option]**​

Model 903​​1 - Recessed​​ - Profile Collection - Toilet Tissue Dispenser - Twin Hide-A-Roll.

* + 1. Materials
       1. Accessories - General:  Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
          1. Grind welded joints smooth.
          2. Fabricate units made of metal sheet of seamless sheets with flat surfaces.
       2. Keys:  Provide ​E114​ keys for each accessory to ​Owner​​; master key lockable accessories​.
       3. Stainless Steel Sheet:  ASTM A666, Type 304.
       4. Stainless Steel Tubing:  ASTM A269/A269M, Grade TP304 or TP316.
       5. Galvanized Sheet Steel:  Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.
       6. Mirror Glass:  Tempered safety glass, ASTM C1048; and ASTM C1036 Type I, Class 1, Quality Q2, with silvering as required.
       7. Fasteners, Screws, and Bolts:  Hot dip galvanized; tamperproof; security type.
    2. Fabrication
       1. Profile Collection:
          1. Basic Construction Requirements:

Doors:  Type 304, 16 gauge, 0.0625 inch (1.59 mm) stainless steel, formed 15/16 inch (23.8 mm) return to wall, with vertical edges eased at 3/4 inch (19 mm) radius; welded corners.

Cabinets:  Type 304, 20 gauge, 0.0375 inch (0.95 mm) stainless steel, formed 1 inch (25 mm) wide flat perimeter trim four sides; joints welded, sight-exposed welds finished to match sheet finish.

Hinges:  Heavy-duty stainless steel multi-staked piano hinge, 3/16 inch (5 mm) diameter barrel, full length of cabinet; hinge leaves spot-welded to door and cabinet body.

Locks:  Flat rimless tumbler locks, keyed alike other toilet accessory locks, with one key for each lock.

Cabinet and Door Finish:  No.4 satin finish.

* + - 1. Roval Collection:
         1. Basic Construction Requirements:

Doors:  Curved design, one piece Type 304, 18 gauge, 0.05 inch (1.27 mm) stainless steel.

Cabinets:  Type 304, 22 gauge, 0.0312 inch (0.79 mm)stainless steel, trimless; joints welded, sight-exposed welds finished to match sheet finish.  Full access back panels.

Hinges:  Concealed, heavy-duty stainless steel multi-staked piano hinge, full length of cabinet.

Locks:  Two flush, rimless tumbler locks, keyed alike other toilet accessory locks, with one key for each lock.

Exposed Finish:  No.4 satin finish, unless noted otherwise.

* + 1. Finishes
       1. Stainless Steel:  Satin finish, unless otherwise noted.
       2. Chrome/Nickel Plating:  ASTM B456, SC 2, polished finish, unless otherwise noted.
       3. Baked Enamel:  Pretreat to clean condition, apply one coat primer and minimum two coats epoxy baked enamel.
       4. Powder-Coated Steel:  Clean, degrease, and neutralize.  Follow immediately with phosphatizing treatment, prime coat, and two finish coats of powder coat enamel.
       5. Galvanizing for Items Other than Sheet:  Comply with ASTM A123/A123M; galvanize ferrous metal and fastening devices.
       6. Shop Primed Ferrous Metals:  Pretreat and clean, spray apply one coat primer and bake.
       7. Back paint components where contact is made with building finishes to prevent electrolysis.
  1. PART 3  EXECUTION
     1. EXAMINATION
        1. Verify existing conditions before starting work.
        2. Verify exact location of accessories for installation.
        3. For electrically-operated accessories, verify that electrical power connections are ready and in the correct locations.
        4. Verify that field measurements are as indicated on drawings.
        5. See Section [\_\_\_\_\_] for installation of blocking, reinforcing plates, and concealed anchors in walls and ceilings.
     2. PREPARATION
        1. Deliver inserts and rough-in frames to site for timely installation.
        2. Provide templates and rough-in measurements as required.
     3. INSTALLATION
        1. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.
        2. Install plumb and level, securely and rigidly anchored to substrate.
        3. Mounting Heights:  As required by accessibility regulations, unless otherwise indicated.
           1. Grab Bars:  As indicated on drawings.
           2. Mirrors:  [\_\_\_\_\_] inch ([\_\_\_\_\_] mm), measured from floor to bottom of mirrored surface.
           3. Electric Hand Dryers:  Measured from floor to bottom of nozzle:

Men:  44 inches (1110 mm).

Women:  42 inches (1060 mm).

Teenager:  41 inches (1035 mm).

Child:  32 inches (810 mm).

Handicap:  36 inches (910 mm).

* + - * 1. Other Accessories:  As indicated on drawings.
    1. PROTECTION
       1. Protect installed accessories from damage due to subsequent construction operations.
  1. END OF SECTION