

Plastic toilet compartment

1. GENERAL**1.1 GENERAL CONDITIONS**

1. The provisions of the General conditions and the Supplementary general conditions are an integral part of this section and apply.

1.2 TRAVAUX CONNEXES

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|-------------------------|------------------|
| 1. Carpentry | Section 06 10 11 |
| 2. Washroom accessories | Section 10 28 10 |

1.3 SAMPLES

1. Submit a sample measuring 150 x 150 mm illustrating the finish of both sides of the panel, including the finish of both framing headers.
2. Submit a representative sample of each hardware part, including supporting parts, anchorage and trim.

1.4 SHOP DRAWINGS

1. Submit shop drawings in accordance with the requirements of section 01 33 00.
2. Drawings must indicate manufacturing details, plans, level ratings, details of hardware parts and those relating to the facility.

1.5 MAINTENANCE SHEET

1. Provide the required instructions for maintenance of the laminated plastic, which must be included in the maintenance and operations manual.

1.6 PROTECTION

1. For the duration of transportation and installation, protect elements having laminate finish surfaces with strong kraft paper or place them in boxes for shipping.

1.7 GARANTEE

1. Provide a written document, issued and signed on behalf of the Owner, stating that laminated plastic elements are guaranteed against warping and delamination for a period of one (1) year. Door hardware is warranted to be free of any manufacturing defects for a period of two (2) years from the date of signature of the Certificate of "Final Acceptance" of the element. The heavy-duty bolt has a lifetime warranty (with free shipping only for replacement of returned defective part).

2. PRODUCTS**2.1 MATERIALS**

1. Ceiling-hung" toilet partitions of the Sani-tech brand or an equivalent approved prior to bid submissions.
 2. Solid laminated plastic: compliant with the CAN3-A172-M79 standard, SS category, 19 mm thickness,
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solid colour on both surfaces, with a black edge. **Color : Formica, Weathered Ash, 8842**

2.2 SATIN STAINLESS STEEL HARDWARE

1. Piano hinge

- A. Full-length piano hinge for standard compartments, type 304 stainless steel, No. 4 finish, 16 gauge, heavy-duty for inward opening, invisible from the outside. Model with emergency access by lifting the door. Sani-tech product 211-000 or 211-001.
- B. Full-length piano hinge for washroom compartments for disabled persons. Type 304 stainless steel, No. 4 finish, 16 gauge, heavy-duty for outward opening, invisible from the outside. Model with emergency access by lifting the door. Sani-tech product 211-010 or 211-011.

2. Bolts and keepers

- A. Bolts and keepers for standard compartments made of heavy-duty stainless steel, type 304, No. 4 finish, 11 gauge. Bolt with a graspable handle and two integrated dampers. Sani-tech product No. 200-101. Lifetime warranty.
- B. Bolts and keepers for washroom compartments for disabled persons. Same characteristics as bolts and keepers for standard compartments, except for the door stop, which is a larger stainless steel rod to facilitate use in conformity with the 5.2.2.a, CAN/CSA-B651-95 standard. Sani-tech product No. 200-200. Lifetime warranty.
- C. Heavy-duty door stop with outward or inward opening. Sani-tech product No. 2304617..

3. Robe hook Heavy-duty, type 304, No. 4 finish, 11 gauge stainless steel, compliant with the 5.2.1.c, CAN/CSA-B651-95 standard. Sani-tech product No. 200-233

4. Anchoring shoes: Stainless steel anchoring shoes, type 304, No. 4 finish, 18 gauge, invisible from the outside, width proportionate to that of the pilasters. Sani-tech product No. 550.

5. Brackets

- A. Full length anodized aluminium brackets and extrusions, alloy 6063, coating No. 5 with clear anodization, 10 microns. Sani-tech product No. 162-000.
- B. Anodized aluminium head bars, alloy 6063, coating No. 5 with clear anodization, 10 microns, vandal-resistant with an anti-grip profile. Sani-tech product No. 182-000.

6. D handles for toilet compartments for the disabled, type 304 stainless steel, No. 4 finish, 11 gauge, compliant with standards 4.2.6.1 and 5.2.2.d, .e, CAN/CSA-B651-95. Sani-tech product No. 210-110 (2 per cabin).

7. Visible vandal-resistant security-type fixing screws, type 410 BH stainless steel with a special plug, which can be removed with the appropriate tool. Sani-tech products 29308-012 and 29312-058.

8. Stainless steel sheet, compliant with the ASTM A167-82 standard.

9. Sealant. Water-repellent or adhesive sealant, recommended by the laminate manufacturer.

2.3 MANUFACTURE

- 1. Manufacture jambs and doors with solid laminated plastic panels, 19 mm thick, width and height as indicated.
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2. Chamfer with edges exposed uniformly at about 20 degrees.

3. INSTALLATION

3.1 PARTITION SPACERS MOUNTED AT THE HEIGHT OF THE CORNICE

1. Using appropriate structural flooring, fix dividers to the ceiling plumb and square by means of a leveling device; consolidate well

3.2 CLEANING

1. Upon completing the elements of this section, remove all protective components, clean finished surfaces so they will be free of dirt and stains.
 2. Polish metal parts and replace those that are defective or damaged.
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PART 1 GENERAL**1.1 INCLUDED WORK :**

- .1 Supply and installation of new equipment and facilities of the retained equipment.

1.2 RELATED REQUIREMENTS

- .1 Section 06 10 00 – Carpentry :

1.3 REFERENCES

- .1 ASTM International
 - .1 ASTM A167-[99(2009)], Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
 - .2 ASTM B456-[03], Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
 - .3 ASTM A653/A653M-[09], Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 - .4 ASTM A924/A924M-[09], Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
- .2 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-1.81-[M90], Air Drying and Baking Alkyd Primer for Vehicles and Equipment.
 - .2 CAN/CGSB-1.88-[92], Gloss Alkyd Enamel, Air Drying and Baking.
 - .3 CGSB 31-GP-107MA-[90], Non-inhibited Phosphoric Acid Base Metal Conditioner and Rust Remover.
- .3 CSA International
 - .1 CAN/CSA-B651-[04], Accessible Design for the Built Environment.
 - .2 CAN/CSA-G164-[M92(R2003)], Hot Dip Galvanizing of Irregularly Shaped Articles.

1.4 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Provide submittals in accordance with Section 1 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Provide manufacturer's printed product literature and data sheets and include product characteristics, performance criteria, physical size, finish and limitations.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
- .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 in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
- .2 Store and protect all accessories from nicks, scratches, and blemishes] .]
- .3 Replace defective or damaged materials with new.

PART 2 PRODUCTS

2.1 NEW COMPONENTS

- .1 Combination towel dispenser/waste receptacle: semi-recessed wall unit, approximately 405 mm wide, 1390mm high, 102mm deep. Interior and exterior in stainless steel, satin finish. Suitable for dispensing folded or roll paper towels. Removable galvanized steel -2 units.
- .2 Feminine napkin/tampon dispenser: stainless steel, satin finish, surface unit, key locked, continuous hinge front panel. Dimensions 380x 645X102mm.
- .3 Feminine napkin disposal bin: stainless steel unit, self closing ,satin finish -3 units.
- .4 Grab bars: 38/1.6 mm wall tubing of stainless steel, 38 mm diameter wall flanges, concealed screw attachment, flanges welded to tubular bar, provided with steel back plates and all accessories. Grab bar material and anchorage to withstand downward pull of 2.2 kN. see details for dimensions - 4 units.
- .5 Double robe hook: Satin finish stainless steel. Contoured hook is 3 15/16" (100mm) wide. Flange is 2" x 2" (50 x 50mm). Projects 1 7/8" (50mm) from wall.
- .6 Tilt mirror: wall mounted unit, framed mirror 6 mm, stainless steel frame, 2 units see details for dimensions.
- .7 Dimensions of the accessories required: The dimensions of the accessories are for information purposes only, but are important for the integration of all the accessories in the toilet block. If products are offered under the equity method at the indicated reference models , these will have presented dimensions +/- 25mm from those indicated in the documents, and must be submitted for approval by the Representative of the Department before bid submission .

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrates and surfaces to receive toilet and bathroom accessories previously installed under other Sections or Contracts are acceptable for product installation in accordance with manufacturer's instructions prior to toilet and bathroom accessories installation.
- .2 Inform Departmental Representative] of unacceptable conditions immediately upon discovery.
- .3 Proceed with installation only after unacceptable conditions have been remedied.

3.2 INSTALLATION

- .1 Install and secure accessories rigidly in place as follows:
- .2 Install grab bars on built-in anchors provided by [bar manufacturer].

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- .3 Use tamper proof screws/bolts for fasteners.
 - .4 Fill units with necessary supplies shortly before final acceptance of building.
 - .5 Install mirrors in accordance with Section 08 80 50 - Glazing.

3.3 ADJUSTING

- .1 Adjust toilet and bathroom accessories components and systems for correct function and operation in accordance with manufacturer's written instructions.
- .2 Lubricate moving parts to operate smoothly and fit accurately.

3.4 PROTECTION

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

END OF SECTION