

PART 1 - GENERAL

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| <u>1.1 RELATED SECTIONS</u>    | .1 | Section 10 28 10 Toilet And Bath Accessories.  |
| <u>1.2 REFERENCES</u>          | .1 | A172-M79 High Pressure Paper Base, Decorative Laminates.   |
|                                | .2 | CAN/CSAB651-M95(R2001) Barrier-Free Design.  |
|                                | .3 | O188.1-M78 Interior Mat-Formed wood Particleboard.   |
|                                | .4 | CAN/CGSB-71.20-M88 Adhesive, Contact, Brushable.   |
| <u>1.3 SAMPLES</u>             | .1 | Submit samples in accordance with Section 01 10 10 - General Instructions .  |
|                                | .2 | Submit duplicate 12" x 12" samples of panel showing finish on both sides, two finished edges and core construction.              |
|                                | .3 | Submit duplicate representative samples of each hardware item, including brackets, fastenings and trim.                          |
| <u>1.4 SHOP DRAWINGS</u>       | .1 | Submit shop drawings in accordance with Section 01 10 10 - General Instructions  |
|                                | .2 | Indicate fabrication details, plans, elevations, hardware, and installation details.   |
| <u>1.5 CLOSEOUT SUBMITTALS</u> | .1 | Provide maintenance data for plastic laminate for incorporation into manual specified in Section 01 10 10 - General Instructions |
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| <u>1.6 STORAGE AND PROTECTION</u> | .1 | Protect finished laminated plastic surfaces during shipment and installation. Do not remove until immediately prior to final inspection. |
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## PART 2 - PRODUCTS

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| <u>2.1 MATERIALS</u> | .1 | Laminated plastic toilet partitions.<br>.1 Acceptable material: Bobrick or an approved equal.            |
|                      | .2 | Laminated plastic sheets: to A172-M79, type general use, 1/16" thick solid colour pattern, suede finish. |
|                      | .3 | Core material: particle board to CAN3-0188.1, grade H sanded both sides, 5/8" thick.                     |
|                      | .4 | Laminated plastic adhesive: contact adhesive to CAN/CGSB-71.20-M88.                                      |
|                      | .5 | Headrails: clear anodized, extruded aluminum, anti grip design tubular steel, preformed socket brackets. |
|                      | .6 | Pilaster shoe: 22 ga. chrome plated non-ferrous, 3" high.  |
|                      | .7 | Attachment: chrome plated tamper proof type screws and bolts.  |

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| <u>2.2 COMPONENTS</u> | .1 | Hinges:<br>.1 Heavy duty, non-lubricating.<br>.2 Material/finish: chrome plated non-ferrous casting.<br>.3 Swing: inward, and outward as indicated on drawings.<br>.4 Return movement: gravity, non-rising.<br>.5 Adjustable to hold door open at 15° angle. |
|                       | .2 | Latch set: surface mounted, combination latch, door-stop, keeper and bumper, chrome plated non-ferrous, emergency access feature.  |
|                       | .3 | Wall and connecting brackets: chrome plated non-ferrous extrusion or casting.  |
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| <u>2.2 COMPONENTS</u><br>(Cont'd) | .4 | Coat hook: combination hook and rubber door bumper, chrome plated non-ferrous .       |
|                                   | .5 | Door pull: Barrier-free type suited for outswinging doors, chrome plated non-ferrous. |

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| <u>2.3 FABRICATION</u> | .1 | Doors, panels and screens: 1" thick, composite plastic laminate panels, to sizes indicated.  |
|                        | .2 | Pilasters: 1 1/2" thick, constructed same as door, to sizes indicated.   |
|                        | .3 | Laminate plastic to core material ensuring core and laminate profiles coincide to provide continuous support and bond over entire surface. |
|                        | .4 | Finish edges of composite laminated plastic panels with laminated plastic strip edging.  |
|                        | .5 | Provide formed and closed edges for doors, panels and pilasters. Miter and weld corners and grind smooth.                                  |
|                        | .6 | Provide internal reinforcement at areas of attached hardware and fittings. Temporarily mark location of reinforcement for grab bars.       |

### PART 3 - EXECUTION

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| <u>3.1 INSTALLATION</u> | .1 | Ensure supplementary anchorage, if required, is in place. |
|                         | .2 | Do work in accordance with CAN/CSAB651-M95.               |

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| <u>3.2 ERECTION</u> | .1 | Partition erection.                                      |
|                     | .1 | Install partitions secure, plumb and square.             |
|                     | .2 | Leave 1/2" space between wall and panel or end pilaster. |

3.2 ERECTION  
(Cont'd)

- .1 (Cont'd)
  - .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 within shoes.
  - .6 Equip outswinging doors with door pulls on inside and outside of door in accordance with CAN/CSAB651-M95.
- .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, pilaster and headrail as indicated.
  - .2 Anchor screen panels to walls with 3 panel brackets and vertical upright consisting of tubular headrail stock and end sockets pilaster complete with floor and ceiling shoes, anchored to floor .

PART 1 - GENERAL

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| <u>1.1 RELATED WORK</u>        | .1 | Section 06 10 00 - Installation of Accessories in Rough Carpentry.  |
|                                | .2 | Section 10 21 20 - Plastic Toilet Partitions.   |
| <u>1.2 REFERENCES</u>          | .1 | ASTM A 167-99(2009), Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.  |
|                                | .2 | CAN/CSA-B651-04(R2010), Barrier-Free Design.  |
|                                | .3 | CAN/CSA-G164-M92(R2003), Hot Dip Galvanizing of Irregularly Shaped Articles.  |
| <u>1.3 SHOP DRAWINGS</u>       | .1 | Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.  |
|                                | .2 | Indicate size and description of components, base material, surface finish inside and out, hardware and locks, attachment devices, description of rough-in-frame, building-in details of anchors for grab bars. |
| <u>1.4 SAMPLES</u>             | .1 | Submit samples in accordance with Section 01 33 00 - Submittal Procedures .   |
|                                | .2 | Samples to be returned for inclusion into work.   |
| <u>1.5 CLOSEOUT SUBMITTALS</u> | .1 | Provide maintenance data for toilet and bath accessories for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.   |
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#### 1.6 EXTRA MATERIALS

- .1 Provide special tools required for accessing, assembly/disassembly or removal for toilet and bath accessories in accordance with requirements specified in Section 01 78 00 - Closeout Submittals.
- .2 Deliver special tools to Departmental Representative.

#### 1.7 ALTERNATIVE MATERIALS

- .1 Acceptable Materials: where materials are specified by trade name refer to the Instructions to Tenderers for procedure to be followed in applying for approval of alternatives.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- .1 Stainless steel sheet metal: to ASTM A 167-99, Type 302, with No. 4 satin finish.
- .2 Fasteners: concealed screws and bolts hot dip galvanized, exposed fasteners to match face of unit. Expansion shields fibre, lead or rubber as recommended by accessory manufacturer for component and its intended use.

#### 2.2 COMPONENTS

- .1 Item #1: Grab bar; 40 mm dia x 0.8 mm wall x 610 mm tubing of stainless steel, 80 mm diameter wall flanges, concealed screw attachment, flanges welded to tubular bar, provided with steel back plates and all accessories. Peen bar at area of hand grips. Grab bar material and anchorage to withstand downward pull of 2.2 kN.
  - .1 Acceptable material: model 6806.99x24 by Bobrick, model 3224 by Watrous or approved equal.
  - .2 Alternative Materials: Approved by addendum in accordance with approval of Alternate Materials clause in the Special Instructions to Tenders's Form.
- .2 Item #2: Shelf with 3 mop holders and 2 hooks, 1.2 mm type 304 stainless steel; 205 mm deep, 150mm high.

2.2 COMPONENTS  
(Cont'd)

- .2 (Cont'd)
- .1 Acceptable manufacturer: model B-224 x 30 as manufactured by Bobrick, model 1315-3 by Watrous Inc. or an approved equal.
  - .2 Alternative Materials: Approved by addendum in accordance with approval of Alternate Materials clause in the Special Instructions to Tenders's Form.

2.3 FABRICATION

- .1 Weld and grind joints of fabricated components flush and smooth. Use mechanical fasteners only where approved.
- .2 Wherever possible form exposed surfaces from one sheet of stock, free of joints.
- .3 Brake form sheet metal work with 1.5 mm radius bends.
- .4 Form surfaces flat without distortion. Maintain flat surfaces without scratches or dents.
- .5 Back paint components where contact is made with building finishes to prevent electrolysis.
- .6 Hot dip galvanize concealed ferrous metal anchors and fastening devices to CAN/CSA-G164-M92 (R1998).
- .7 Shop assemble components and package complete with anchors and fittings.
- .8 Deliver inserts and rough-in frames to job site at appropriate time for building-in. Provide templates, details and instructions for building in anchors and inserts.
- .9 Provide steel anchor plates and components for installation on studding and building framing.

2.4 FINISHES

- .1 Manufacturer's or brand names on face of units not acceptable.
  - .2 Satin polished stainless steel or polished stainless steel as specified.
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PART 3 - EXECUTION

- 3.1 INSTALLATION
- .1 Install and secure accessories rigidly in place as follows:
    - .1 Stud walls: install steel back-plate to stud prior to plaster or drywall finish. Provide plate with threaded studs or plugs.
    - .2 Hollow masonry units or existing plaster/drywall: use toggle bolts drilled into cell/wall cavity.
    - .3 Solid masonry or concrete: use bolt with lead expansion sleeve set into drilled hole.
  - .2 Use tamper proof stainless steel screws/bolts for fasteners.
  - .3 Fill units with necessary supplies shortly before final acceptance of building.