

1 Part General

.1 RELATED SECTIONS

- .1 Section 09 30 13 - Ceramic Tiling.
- .2 Section 10 28 10 - Toilet and Bath Accessories.

.2 REFERENCES

- .1 American Society for Testing and Materials International (ASTM)
 - .1 ASTM A167-2004, Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
 - .2 ASTM E 84-2004, Standard Test Method for Surface Burning Characteristics of Building Materials.
- .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).

.3 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's printed product literature for toilet and shower compartments, components, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
 - .1 Shop drawings: Indicate fabrication details, plans, elevations, hardware, and installation details.
- .4 Samples:
 - .1 Submit duplicate 300 x 300mm (12" x 12") samples of panel showing finish on both sides, two finished edges and core construction.
 - .2 Submit duplicate representative samples of each hardware item, including headrails, U-channel brackets, fastenings and trim.
 - .3 Install a mock-up compartment for review before proceeding with work.
- .5 Manufacturer's Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence and cleaning procedures.

.4 CLOSEOUT SUBMITTALS

- .1 Provide maintenance data for plastic laminate for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials and products in strict compliance with manufacturer's instructions.
- .2 Protect finished laminated plastic surfaces during shipment and installation. Do not remove until immediately prior to final inspection.
- .1

.6 WARRANTY

- .1 Provide written warranty, signed and issued in the name of the Owner, for phenolic material against delamination, breakage or corrosion for 10 years from date of Substantial Performance, assuming proper maintenance according to manufacturer's recommendations.

2 Part Products

.1 DESIGN CRITERIA

- .1 Provide continuous headrails at top of pilasters and doors and at top of all intermediate panel partitions.
- .2 Doors to be constructed of 3/4" material and provide an astragal or rabbited edge at latch side and across the top for complete privacy.
- .3 At connection of intermediate panel partitions to pilasters and to walls, provide continuous, full height stainless steel U-channel.

.2 MATERIALS

- .1 Solid phenolic, floor mounted, overhead braced, toilet compartments.
 - .1 Acceptable material, subject to satisfying all design criteria:
 - .1 ASI/Watrous/Global.
 - .2 Decolam.
 - .3 Bobrick.
 - .4 Hadrian.
 - .5 Columbia Partitions.
 - .6 Metpar.
 - .7 Designrite Partitions by Spec-Rite Designs.
- .2 Panels, doors and pilasters: Decorative surface sheet with solid black phenolic core of melamine resin impregnated kraft paper fused under high temperature and pressure.
- .3 Finish: Solid phenolic core (black) with solid grade high pressure decorative laminate face sheets fused at high temperature, both sides. Colour: Within Manufacturers' standard range and to be selected by Consultant
- .4 Edges: exposed black core, machine sanded with a 45 degree radius edge.
- .5 Headrails: clear anodized, extruded aluminum, flat top, approximately 2" x 3/4".
- .6 Fastening Hardware: Manufacturer's standard, Type 304 stainless steel, No. 4 satin finish, theft resistant barrel nuts and machine screws.
- .7 Pilaster anchors: 1" x 2" high Type 304 stainless steel angle bracket, No. 4 satin finish, full width of pilaster. Short leg (1") concealed under pilaster thickness with vertical leg (2") on inside, invisible from outside. Securely anchor to floor and to pilaster.
- .8 Mounting Brackets: Continuous U-channels, Type 304 stainless steel, No. 4 satin finish, with stainless steel theft resistant barrel nuts and machine screws of same material and finish.

- .9 Attachment: stainless steel tamper proof type screws, bolts and through-bolts.

.3 COMPONENTS

- .1 Hinges:
 - .1 Full surface mounted, heavy duty, geared hinge with PTFE polymer bearing.
 - .2 Material/finish: clear anodized aluminum.
 - .3 Swing: inward or outward as indicated.
 - .4 Through bolt fastener suitable for 3/4" thick pilaster and door.
 - .5 Matching universal cover plates to conceal fasteners.
 - .6 Acceptable material:
 - .1 LifeSpan Model 664 HD by Stanley.
 - .2 Approved alternate.
- .2 Door latch assembly: surface mounted combination latch and door-stop, stainless steel.
- .3 Coat hook: combination hook and rubber door bumper, stainless steel.
- .4 Door pull: Barrier-free type suited for outswinging and inswinging doors, stainless steel.

.4 FABRICATION

- .1 Doors and pilasters: 19mm (3/4") thick, solid phenolic, to sized to meet site dimensions and as shown in drawings.
- .2 Panels: 19mm (3/4") thick, solid phenolic. Oversized panels to be of equal height maintaining centered split line, with horizontal tongue and groove interlocking joint.
- .3 Chamfer or radius exposed edges uniformly at approximately 45 degrees.

3 Part Execution

.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.

.2 EXAMINATION

- .1 Field measure and confirm all dimensions for toilet and shower compartments to ensure final sizes will be able to meet site dimensions prior to fabrication.

.3 INSTALLATION

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

.4 ERECTION

- .1 Install partitions secure, plumb and square.

- .2 Anchor to masonry or concrete surfaces using screws and shields.
 - .3 Anchor to stud walls using bolts and toggle type anchors to wood blocking provided by Section 09 21 16.
 - .4 Attach intermediate panels to pilaster and to wall with continuous stainless steel U-channels with through type sleeve bolt and nut. Ensure no sight lines.
 - .5 Field trim pilasters to suit floor variations. All floor and wall fixings to be concealed.
 - .6 Equip each door with hinges, latch set, and coat hook mounted on door. Install door bumper door mounted.
 - .7 Equip all doors with door pulls.
 - .8 Set tops of doors parallel with headrail brace when doors are in closed position. Ensure no sight lines at head or latch side.
 - .9 Silicone seal bottom of pilasters to floor tile, as per Section 07 92 00.
- .4 CLEANING**
- .1 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.

END OF SECTION