Part 1 General

1.1 REFERENCES

.1 Canadian Standards Association (CSA International)

.1 CSA-B651-04, Accessible Design for the Built Environment.

1.2 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 partitions or components, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.

.3 Shop Drawings:

.1 Indicate fabrication details, plans, elevations, hardware, and installation details.

.4 Samples:

.1 Submit one 150 x 150 mm sample of panel showing finish on both sides, two finished edges and core construction.

.5 Quality control submittals: submit following in accordance with Section 01 45 00 - Quality Control .

.1 Manufacturer's Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence, cleaning procedures.

.6 Closeout Submittals:

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

1.3 DELIVERY, STORAGE AND HANDLING

.1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements .

.2 Protect finished laminated plastic surfaces during shipment and installation. Do not remove until immediately prior to final inspection.

.3 Waste Management and Disposal:

.1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal .

Part 2 Products

2.1 MATERIALS

.1 Materials: Solid color reinforced composite (SCRC) material for stiles, panels, doors, and screens with Bobrick GraffitiOff coating, thermoset and integrally fused into homogenous piece; high density polyethylene (HDPE), high density polypropylene not acceptable.

.1 Installation: Floor mounted, overhead-braced, satin finish, extruded anodized aluminium, 1,65mm thick with anti-grip profile.

.2 Finish Thickness:

.1 Stiles and doors shall be 19 mm.

.2 Panels and benches shall be 13 mm.

.3 Fire Resistance Standards: flame spread 69, smoke density 93.

.4 Color: 3508-58 Tatami mat de Formica.

.5 Type : Sierra Series 1090 or approved equivalent.

.2 Fasteners:

.1 All fasteners 18-8, Type 304 stainless steel, with a stain finish.

.2 Chrome-plated “Zamak”, aluminum, extruded hardware not acceptable.

.3 Latching:

.1 Sliding door latch must be gauge 14 (2 mm) and must slide on a nylon track.

.2 The sliding door latch must require an operating force less than 5 lb. The door latch must not require a pull force.

.3 The latch track must be fastened to the door using mechanical screws in the factory-installed, threaded brass inserts.

.4 The threaded-brass inserts must be factory-installed in order to receive the hinges and latches and must resist a direct pull force of 1 500 lb per insert.

.5 Through-bolts, pin-in-head, Torx stainless steel screws must be used for the fastening between the stile and safety ratchet and must resist a direct pull for of 1 500 lb per fastener.

.4 Hinges

.1 Balanced, with field-adjustable cam to permit door to be fully closed or partially open when compartment is unoccupied.

.2 The hinges must be fastened to the door and stile by though-bolted, theft-resistant, pin-in-head Torx stainless steel machine screws into factory-installed, threaded brass inserts.

.3 Fasteners secured directly into core not acceptable.

.4 The door must be provided with stainless steel gauge 11 (3 mm) two doorstops equipped with rubber stops in order to prevent the door to be kicked open from the inside or outside above the stiles by vandals.

.5 The doorstops and hinges must be fastened using through-bolted, ping-in-head Torx stainless steel machine screws into factory-installed, threaded brass inserts. Threaded brass inserts are factory-installed, and can withstand direct pull force exceeding 1500 lb per insert.

.6 Zamac type hinges are not acceptable.

.5 Mounting supports

.1 The mounting supports must be stainless steal and attached inside the compartment.

.2 The fastenings are located where the panels and mountings connect, must be bolted through using hexagonal stainless steel bolts The fastenings that are bolted through must resist a direct traction force of more than 1 500 lbs. per fastening.

.3 The supports for the urinal dividers attached to the wall must be doubled and be gauge 11 (3 mm)

.6 Leveling devices must be 7 gauge, 3/16 inches (5 mm) thick, corrosion-resistant, chromate-treated, zinc-plated, bolted to reinforced composited mounting, uniformly colored.

.7 Floor-mounted, overhead-braced with satin finish, extruded anodized aluminum, head rails, 0.065 (1.65 mm) thick with anti-grip profile.

Part 3 Execution

3.1 MANUFACTURER'S INSTRUCTIONS

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

3.2 INSTALLATION

.1 Ensure supplementary anchorage, if required, is in place.

.2 Do work in accordance with CSA-B651.

3.3 ERECTION

.1 Partition erection:

.1 Installation methods shall conform to manufacturer's recommendations for backing and proper support.

.2 Install partitions secure, plumb and square.

.3 Leave 12 mm space between wall and panel or end pilaster.

.4 Attach panel and pilaster to brackets with through type sleeve bolt and nut.

.5 Provide for adjustment of ceiling variations with screw jack through steel saddles made integral with pilaster. Conceal ceiling fixings with stainless steel shoes.

.6 Provide templates for locating threaded studs through finished ceilings.

.7 Equip each door with hinges, latch set, and each stall with coat hook mounted on door. Adjust and align hardware for proper function. Set door open position at full open.

.8 Equip outswinging doors with door pulls on outside of door in accordance with CSA-B651 .

.9 Conceal evidence of drilling, cutting, and fitting to room finish.

.10 Maintain uniform clearance at vertical edge of doors.

.11 Install hardware.

.2 Ceiling hung partitions erection:

.1 Secure pilasters to supporting structural framing using pilaster hangers.

.2 Ensure pilaster hangers do not transmit load to finished ceiling.

.3 Secure pilaster shoe in position.

.4 Set bottoms of doors level with bottom of pilasters when doors are in closed position.

.3 Screen erection:

.1 Provide urinal stall screens consisting of panel, pilaster as indicated.

.2 Anchor screen panels to walls with 2 panel brackets.

3.4 Adjustment

.1 Adjust hardware for proper operation after installation.

.2 Set hinge cam on in-swinging doors to hold doors open when unlatched.

.3 Set hinge cam on out-swinging doors to hold unlatched doors in closed position.

3.5 CLEANING

.1 Proceed in accordance with Section 01 74 11 - Cleaning .

.2 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.

END OF SECTION