

1. Submittals and Shop Drawings Required:
 - 1.1. Product Technical Data Sheets for all materials, components and accessories.
 - 1.2. Clearly identify option(s) including sizes and colours.
 - 1.3. Plans, elevations, hardware and accessories.
 - 1.4. Installation and fastening detail drawings.
 - 1.5. Indicate fabrication details, plans, elevations, hardware, and installation details.
 - 1.6. Sample minimum 150 x150mm.
 - 1.7. Sample or cut sheet of each hardware item, including brackets, fastenings and trim.

2. Testing and Standards:
 - 2.1. Use product appropriate to application.
 - 2.2. Heavy commercial use.
 - 2.3. Fire Resistance: ASTM E84: Class A FR
 - 2.4. Indoor Air Quality, Low emitting materials.:
 - 2.4.1. Must not contain Red List Chemicals, i.e. Added Urea or Phenol Formaldehyde, Heavy Metals, Ortho Phthalates, Fluorinated Chemicals (PFAS), Halogenated Flame Retardants, PVC's.
 - 2.4.2. ASTM E 2471-05 No added anti-microbial; EPA registered pesticides,
 - 2.5. Minimum 20-year commercial warranty

3. Compartments and screens:
 - 3.1. Toilet compartments:
 - 2.5.1. Floor to Ceiling or overhead rail to floor supported system.
 - 2.5.2. Gap-free design.
 - 2.5.3. Door swing must clear standing forward of plumbing fixture.
 - 2.5.4. Width of compartments must allow accessories to clear plumbing fixture.
 - 3.2. Privacy screens (Urinal and shower):
 - 2.5.5. Post floor to ceiling supported system.
 - 2.5.6. Stainless Steel post and fasteners.
 - 2.5.7. Gap-free design where enclosed.

4. Materials and components:
 - 4.1. Doors and Pilasters shall be constructed of 19 mm solid phenolic core decorative plastic laminate with multiple resin impregnated paper and surface sheets fused at high temperature and pressure. 950 mm wide minimum on barrier-free compartments.

- 4.2. Panels shall be constructed of 13 mm solid phenolic core decorative plastic laminate with multiple resin impregnated paper and surface sheets fused at high temperature and pressure.
 - 4.3. Colour as selected by Consultant from manufacturer's full colour range including.
 - 4.4. Anti-graffiti finishes, non ghosting.
 - 4.5. Anchors: Expansion shields and threaded rods at floor connections as applicable. Threaded rods secured to supports above ceiling as applicable.
 - 4.6. Wall Posts: Pre-drilled for door hardware, 18-8 S, Type 304, 1.6 mm stainless steel with satin finish; 25mm x 38 mm x 1 473 mm high.
 - 4.7. Stiles: Floor-anchored stiles furnished with expansion shields and threaded rods.
 - 4.8. Leveling Devices: 5 mm thick, corrosion-resistant, chromate-treated, double zinc-plated steel angle leveling bar bolted to stile; furnished with 10 mm diameter threaded rods, hex nuts, lock washers, flat washers, spacer sleeves, expansion anchors, and shoe retainers.
 - 4.9. Stile Shoes: One-piece, 0.8 mm, 18-8 S, Type 304 stainless steel, 102 mm height; tops with 90 degree return to stile. One-piece shoe capable of adapting to 19mm or 25 mm stile thickness and capable of being fastened (by clip) to stiles starting at wall line.
5. Fastener / Accessories / Associated Components:
 - 5.1. Emergency Access.
 - 5.2. Metals: 18-8 S, Type 304, heavy-gauge stainless steel with satin finish.
 - 5.3. Doorstops: Prevents in-swinging doors from swinging out beyond stile; on out-swing doors, doorstop prevents door from swinging in beyond stile.
 - 5.4. Fastening: Hardware secured to door and stile by through-bolted, theft-resistant, pin-in-head Torx stainless steel machine screws into factory-installed, threaded brass inserts. Fasteners secured directly into core not acceptable.
 - 5.5. Threaded Brass Inserts: Factory-installed; withstand direct pull force exceeding 1500 lb (680 kg) per insert.
 - 5.6. Must include Clothes Hooks: Projecting no more than 29 mm from face of door. Clothes hooks are to be installed beside door in barrier-free compartments, on door in standard compartments. 1500mm AFF.
 - 5.7. Latching: Track of door latch prevents in-swing doors from swinging out beyond stile; on out-swing doors, door keeper prevents door from swinging in beyond stile; Rubber bumper on latch serves as door bumper for in-swing door.
 - 5.8. Hinges: 1.6 mm stainless steel with satin finish, self-closing, 3 section hinges or continuous, balanced, with field adjustable cam to permit door to be fully closed or partially open when compartment is unoccupied.
 - 5.9. Locking. Must meet AODA and QFADS requirements. Closed fist operable.

- 5.10. U-Channels: Secure panels to stiles.
 - 5.11. Angle Brackets: Secure stiles-to-walls and panels-to-walls.
 - 5.12. Door pulls:
 - 5.12.1. Barrier Free Compartment: Latch side, 150 mm long mounted vertically below the door latch. One located on the interior side of the compartment and one located on the exterior of the compartment.
 - 5.12.2. Interior compartment hinge side, 150 mm long mounted vertically in standard compartment and horizontally in barrier free compartment, with the center line of the pull located 200 to 300 mm from the hinge side edge of the door and 900mm above the finished floor.
 - 5.13. All hardware is to be vandal-resistant.
6. Fabrication:
- 6.1. Fabricate washroom compartments and privacy screens to configurations shown. Site verify all dimensions prior to fabrication.
 - 6.2. Become familiar with the building and any special or unusual conditions.
 - 6.3. Identify demolition materials, substrate type and any designated substances within; Prepare and dispose of any designated substances with licensed environmental contractor prior to commencing work.
 - 6.4. Work to be performed to manufacturers written instructions.
 - 6.5. Use manufacturers recommended fasteners, accessories and associated components
 - 6.6. Adhere to manufacturers product limitations.
 - 6.7. Proceeding with work over unsatisfactory substrate indicates acceptance by trade and will be considered when remediation or warranty work arises.

END OF SECTION.