

Part 1 General

1.1 SECTION INCLUDES

- .1 FRP wall protection.
- .2 Hose reel.
- .3 Hose access door.

1.2 RELATED SECTIONS

1.3 SUBMITTALS

- .1 Section 01 33 00: Submission procedures.
- .2 Shop Drawings: Indicate layout, locations, sizes and anchoring methods.

1.4 QUALIFICATIONS

- .1 Applicator / Installer: Company specializing in performing the work of this section with minimum 3 years documented experience.

1.5 FIELD MEASUREMENTS

- .1 Verify that field measurements are as indicated on shop drawings.

1.6 COORDINATION

- .1 Section 01 33 00: Coordinate work.
- .2 Coordinate the work with other work required to be installed within or next to the work of this section.

Part 2 Products

2.1 FRP WALL PROTECTION

- .1 Fibreglass reinforced plastic (FRP-1): class A flame spread; 3 mm thick nominal; manufactured by Kemlite company; colour to be selected by Contract Administrator from manufactures standard colours.
- .2 Provide pvc mouldings in matching colour for corners joints and cap.
- .3 Adhesive: to manufacturers recommendations.

2.2 HOSE REEL

- .1 Hose reel: heavy duty manual hand crank, 1175-6-200; Manufactured by New Line Hose and Fittings; 9415-189th Street, Surry B.C, 1-800-661-4673.

2.3 HOSE ACCESS DOOR

- .1 Exterior hose access door: Accudor; specialty lightweight aluminum insulated door with neoprene gasket model LT-4000.
- .2 Provide a stainless steel pull handle and cylinder lock keyed to building keying system.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify that building conditions are ready to receive partitions and dimensions are as indicated on shop drawings. instructed by the manufacturer.
- .2 Verify that required utilities are available, in proper location, and ready for use.

3.2 FRP PANELS

- .1 FRP Wall Protection: Install FRP panels in accordance with manufactures instructions.
- .2 Provide trim pieces at all joints and where panel terminates.
- .3 Install panels using adhesive recommended by panel manufacturer.
- .4 Provide silicone sealant at each joint and trim pieces in accordance with manufacturer's instructions.

3.3 HOSE REEL

- .1 Mount hose reel on wall to locations shown on drawings.

3.4 ACCESS DOOR

- .1 Install access door to opening in wall. Adjust for smooth operation.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 HDPE Solid plastic toilet compartments, floor mounted, Overhead braced.
- .2 Urinal screens; wall mounted with floor mounted pilaster.

1.2 RELATED SECTIONS

- .1 Section 06 10 00 - Rough Carpentry: blocking.
- .2 Section 10 28 14 - Toilet and Bath Accessories.

1.3 REFERENCES

- .1 ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.

1.4 SUBMITTALS

- .1 Section 01 33 00: Submission procedures.
- .2 Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall, and floor ceiling supports, door swings.
- .3 Product Data: Provide data on panel construction, hardware, and accessories.
- .4 Samples: Submit two samples of partition panels, 6" x 6" in size illustrating panel finish and colour.
- .5 Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention.
- .6 Closeout submittals: provide two sets of vandal resistant fastening system tools to building manager, sized to fit each fastener size used.

1.5 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for access for the handicapped.

1.6 FIELD MEASUREMENTS

- .1 Verify that field measurements are as indicated .

1.7 COORDINATION

- .1 Coordinate the work with placement of support framing and anchors in wall.

Part 2 Products

2.1 ACCEPTABLE MANUFACTURERS

- .1 Hadrian Inc.

2.2 COMPONENTS

- .1 Doors, panels and pilasters: High Density Polyethylene, color TBD:
 - .1 Door, panel and pilasters: 1" thick with 1/4" radius edges.
 - .2 Doors: 55" high mounted 14" above finished floor c/w aluminum heat sink strip at bottom edge of doors and panels.
 - .3 Pilasters: 82" high fastened to floor with 3" stainless steel shoe with #4 finish.
 - .4 Head rail: aluminum with anti-grip profile clamped over pilasters and fastened to wall with stainless steel brackets.
 - .5 Urinal screens: 42" high mounted 18" above floor with 6" pilaster support for free end.
- .2 Hardware: heavy duty aluminum and stainless steel vandal resistant fasteners.
 - .1 Hinge: integral hinge system stainless steel and nylon.
 - .2 Sliding Latches: extruded aluminum 6463-T3 alloy; with wraparound hinges, with stainless steel fasteners.
 - .3 Strike / keeper: extruded aluminum with wraparound flanges and through bolts.
 - .4 Coat Hooks; Zamic alloy with satin finish.
 - .5 Brackets: Continuous aluminum double edge brackets.
 - .6 All fasteners to be vandal resistant stainless steel torx with centre pin.
 - .7 D pulls: stainless steel D type pull minimum 140 mm long.

2.3 ACCESSORIES

- .1 Provide two extra torx drivers to fit fastening system.
- .2 Turn over to building manager at substantial completion.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify correct spacing of and between plumbing fixtures.
- .2 Verify correct location of built-in framing, anchorage, and bracing.

3.2 INSTALLATION

- .1 Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- .2 Maintain 3/8" to 1/2" space between wall and panels and between wall and end pilasters.

- .3 Attached panel brackets securely to walls using anchor devices.
- .4 Attach panels and pilasters to brackets with tamper proof through bolts and nuts.
- .5 Anchor urinal screen panels to walls with continuous panel brackets and vertical upright consisting of pilaster anchored to floor.
- .6 Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster. Conceal floor fastenings with pilaster shoes.
- .7 Equip each door with two hinges, one door latch, one coat hook and bumper.
- .8 Install door strike and keeper with door bumper on each pilaster in alignment with door latch.
- .9 Replace damaged or scratched materials with new materials.
- .10 Install 'D' pulls on out swinging doors as follows:
 - .1 One pull on each side of door near latch at 36" above finished floor.
 - .2 One pull on inside of door 10" from hinge side at 36" above finished floor mounted horizontally.

3.3 ERECTION TOLERANCES

- .1 Maximum Variation From True Position: 1/4".
- .2 Maximum Variation From Plumb: 1/8".

3.4 ADJUSTING

- .1 Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 1/4".
- .2 Adjust hinges to position doors in partial opening position when unlatched. Return out swinging doors to closed position.
- .3 Adjust adjacent components for consistency of line or plane.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Washroom accessories.
- .2 Grab bars.
- .3 Attachment hardware.

1.2 RELATED SECTIONS

- .1 Section 08 80 50 - Glazing: Wall mirrors.
- .2 Section 09 30 11 - Ceramic Wall Tiling: Ceramic accessories.

1.3 REFERENCES

- .1 ASTM A123/A123M - Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- .2 ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- .3 ASTM A269 - Seamless and Welded Austenitic Stainless Steel Tubing for General Service.
- .4 ASTM A1008/A1008M - Steel, Sheet, Cold-Rolled Carbon, Structural, High-Strength Low Alloy and High Strength Low Alloy with Improved Formability.
- .5 ASTM B456 - Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.

1.4 SUBMITTALS

- .1 Product Data: Provide data on accessories describing size, finish, details of function, attachment methods.
- .2 Samples: Submit two samples of each component, illustrating colour and finish.

1.5 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for access for the handicapped.

1.6 FIELD MEASUREMENTS

- .1 Verify that field measurements are as indicated on product data.

1.7 COORDINATION

- .1 Coordinate the work with the placement of internal wall reinforcement to receive anchor attachments.

Part 2 Products

2.1 MATERIALS

- .1 Sheet Steel: ASTM A366.
- .2 Stainless Steel Sheet: ASTM A167, Type 304.
- .3 Tubing: ASTM A269, stainless steel.
- .4 Adhesive: Two component epoxy type.
- .5 Fasteners, Screws, and Bolts: Hot dip galvanized, tamper-proof.
- .6 Expansion Shields: Fibre, lead, or rubber as recommended by accessory manufacturer for component and substrate.

2.2 FABRICATION

- .1 Weld and grind joints of fabricated components, smooth.
- .2 Form exposed surfaces from single sheet of stock, free of joints. Form surfaces flat without distortion. Maintain surfaces without scratches or dents.
- .3 Fabricate grab bars of tubing, free of visible joints, return to wall with end attachment flanges, concealed mount. Knurl grip surfaces.
- .4 Shop assemble components and package complete with anchors and fittings.
- .5 Provide steel anchor plates, adapters, and anchor components for installation.

2.3 KEYING

- .1 Supply 2 keys for each accessory to Contract Administrator.

2.4 FINISHES

- .1 Galvanizing: ASTM A123 to 380 g/sq m. Galvanize ferrous metal and fastening devices.
- .2 Shop Primed Ferrous Metals: Pre-treat and clean, spray apply one coat primer and bake.
- .3 Enamel: Pre-treat to clean condition, apply one coat primer and minimum two coats electrostatic baked enamel.
- .4 Chrome/Nickel Plating: ASTM B456, polished finish.
- .5 Stainless Steel: No. 4 satin luster finish.
- .6 Back paint components where contact is made with building finishes to prevent electrolysis.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify that site conditions are ready to receive work and dimensions are as indicated on shop drawings.
- .2 Verify exact location of accessories for installation.

3.2 PREPARATION

- .1 Deliver inserts and rough-in frames to site for timely installation.
- .2 Provide templates and rough-in measurements as required.

3.3 INSTALLATION

- .1 Install accessories in accordance with manufacturers' instructions and ANSI A117.1.
- .2 Install plumb and level, securely and rigidly anchored to substrate.

3.4 SCHEDULE

Item	Description	Manufacturer/Model
A	Grab Bar; peened grip	Bobrick B-6806.99 x 24"
B	Grab Bar; peened grip	Bobrick B-6806.99 x 36"
C	Surface mounted toilet tissue dispenser	Bobrick B-2892
D	Surface mounted napkin disposal	Bobrick B-270
E	Mirrors - Custom – Refer to section 08 80 00.	
F	Surface mounted soap dispenser	Bobrick B-4112
G	Grab Bar; peened grip	Bobrick B-6806.99 x 12"
H	Wall mounted baby changing station – stainless steel finish	Bobrick KB110-SSWM
I	Semi-recessed Napkin/Tampon Vendor – 25 cents	Bobrick B-370634
J	Electric Hand Dryer, surface mount	Bobrick B-7128 115V

END OF SECTION

