

Part 1 General

1.1 SECTION INCLUDES

- .1 HDPE Solid plastic shower privacy screen compartments, floor mounted, overhead braced.
- .2 Urinal screens; wall mounted with floor mounted pilaster.
- .3 Toilet partition door

1.2 RELATED SECTIONS

- .1 Section 06 10 53 - 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 Panels, pilasters and doors: High Density Polyethylene, color TBD:
 - .1 Panel and pilasters: 1" thick with ¼" radius edges.
 - .2 Pilasters: 82" high fastened to floor with 3" stainless steel shoe with #4 finish.
 - .3 Head rail: aluminum with anti-grip profile clamped over pilasters and fastened to wall with stainless steel brackets.
 - .4 Urinal screens: 42" high mounted 18" above floor with 6" pilaster support for free end.
- .2 Hardware Partitions and Pilasters: heavy duty aluminum and stainless steel vandal resistant fasteners.
 - .1 Brackets: Continuous aluminum double edge brackets.
 - .2 All fasteners to be vandal resistant stainless steel torx with centre pin.
- .3 Hardware for doors: heavy aluminum (standard).
 - .1 Heavy-duty aluminum 8" round barrel hinges.
 - .2 6" aluminum stop and keeper
 - .3 Black anodized latch with emergency access feature.
- .4 Wall mount bracket for UTR bench and vanity; refer to Section 06 20 00 Finish Carpentry

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 ½" 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 Replace damaged or scratched materials with new materials.

3.3 ERECTION TOLERANCES

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

3.4 ADJUSTING

- .1 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.

1.2 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.

1.3 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.

1.4 REGULATORY REQUIREMENTS

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

1.5 FIELD MEASUREMENTS

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

1.6 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-254
E	Chanel-Framed Mirror/Shelf Combination	Bobrick B-166 1830
F	Chanel-Framed Mirror/Shelf Combination	Bobrick B-166 2436
G	Surface mounted paper towel dispenser	Bobrick B-262I
H	Wall mounted baby changing station – stainless steel finish	Bobrick KB11-SSWM
I	Vandal resistant clothes hook	BobrickB-983
J	Circle mirror	KOLJA 22"
K	Surface mounted soap dispenser	Bobrick B-4112
L	Reversible Folding Shower Seat	Bobrick B-5181

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Locker units with hinged doors.
- .2 Metal bases.

1.2 RELATED SECTIONS

- .1 Section 06 10 53 - Rough Carpentry: wood grounds and attachment strips.

1.3 REFERENCES

- .1 ASTM A653/A653M - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

1.4 SUBMITTALS FOR REVIEW

- .1 Section 01 33 00: Submission procedures.
- .2 Product Data: Provide data on locker types, sizes and accessories.
- .3 Shop Drawings: Indicate locker plan layout, numbering plan.
- .4 Samples: Submit two samples 3 x 6 inches in size, of selected colour; applied to specified base metal.

1.5 SUBMITTALS FOR INFORMATION

- .1 Section 01 33 00: Submission procedures.
- .2 Manufacturer's Installation Instructions: Indicate component installation assembly.

1.6 DELIVERY, STORAGE, AND PROTECTION

- .1 Section 01 61 00: Transport, handle, store, and protect products.
- .2 Protect locker finish and adjacent surfaces from damage.

Part 2 Products

2.1 MANUFACTURERS

- .1 ASI Storage Solutions; Traditional Collection; Five Tier Locker.
- .2 General Storage Systems; Décor Tri-Lock Corona; Five Tier Locker.
- .3 Hadrian; Emperor Series; Five Tier Locker.

2.2 MATERIALS

- .1 Sheet Steel: Mild, cold rolled and leveled unfinished steel; to the following minimum thicknesses:
 - .1 Body: Bottoms shall be 16 gauge. Tops, sides, backs and shelves 24 gauge. Bolts spacing not exceed 9"o.c.
 - .2 Door Frames: 16 gauge formed in a channel shape. Vertical members to have additional flange to provide a continuous door strike. Cross frame members 16 gauge.
 - .3 Door: 16 gauge with louvers for ventilation.
 - .4 Hinges: 20 gauge
 - .5 Base: 20 gauge
 - .6 Sloping Top: 20 gauge

2.3 ACCESSORIES

- .1 For Each Locker: Two single prong wall hooks.
- .2 Locker Base: Z metal Base 4" height.
- .3 Locker and Shower Benches: Hadrian Inc. ADA bench seats are hardwood laminate: 1 3/4" thick by 24" wide, with lengths of 48" and 72". Corners and edges are rounded and tops have a clear lacquer finish. Bench Pedestals are 1/4" x 2 1/2" aluminium and are painted to match locker door/frame colour.

2.4 FABRICATION

- .1 Locker Units:
 - .1 Width: 15 inches.
 - .2 Depth: 15 inches.
 - .3 Height: 60 inches without base.
 - .4 Configuration: Five tier.
 - .5 Mounting: Surface mounted.
 - .6 Base: Metal Z base concrete.
 - .7 Base Height: 4 inch.
 - .8 Top: Sloped metal with closures.
 - .9 Locking: Equipped for padlock hasps.
 - .10 Ventilation Method: Door louvres.
- .2 Locker Body: Formed and flanged; with steel stiffener ribs; electric spot welded.
- .3 Frames: Formed channel shape, welded and ground flush, welded to body, resilient gaskets and latching for quiet operation.
- .4 Doors: Hollow channel construction, 1 3/16" thick; welded construction, channel reinforced top and bottom with intermediate stiffener ribs, grind and finish edges smooth.
- .5 Hinges: Full length 16 gauge continuous piano types riveted to door and frame.

- .6 Number Plates: Provide rectangular aluminum plates.
- .7 Provide ventilation openings at top of each locker.
- .8 Form recess for operating handle and locking device.
- .9 Finish edges smooth without burrs.
- .10 Fabricate metal tops and closure pieces.
- .11 Provide perforated end panels and filler strips.
- .12 Fabricate 4 inch high steel bases with end closures.

2.5 FINISHES

- .1 Clean, degrease, and neutralize metal; prime and finish with two coats of baked enamel.
- .2 Paint locker units of 1 colour throughout.
- .3 Colour: TBD as selected from manufacturer's standard range.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify that prepared bases are in correct position and configuration.
- .2 Verify bases and embedded anchors are properly sized.

3.2 INSTALLATION

- .1 Install in accordance with manufacturer's instructions.
- .2 Install lockers plumb and square.
- .3 Place and secure on prepared base.
- .4 Secure lockers with anchor devices to suit substrate materials. Minimum Pullout Force: 100 lb.
- .5 Bolt adjoining locker units together to provide rigid installation.
- .6 Install end panels and bases.
- .7 Install accessories.
- .8 Replace components that do not operate smoothly.

3.3 CLEANING

- .1 Section 01 74 00: Cleaning installed work.

- .2 Clean locker interiors and exterior surfaces.

END OF SECTION