PART 1 GENERAL

1.1 SECTION INCLUDES

.1 Metal toilet compartments, floor mounted, head rail braced.

1.2 RELATED SECTIONS

.1 Section 06114- Rough Carpentry: Blocking for partition panel support for partition panel support.

.2 Section 10805 - Washroom Accessories.

1.3 REFERENCES

.1 ANSI A117.1 - Safety Standards for the Handicapped.

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

.3 ASTM A424 - Steel Sheet for Porcelain Enameling.

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

1.4 SUBMITTALS

.1 Submit shop drawings to requirements of Section 01000.

.2 Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall, floor, and ceiling supports, door swings.

.3 Product Data: Provide data on panel construction, hardware, and accessories.

1.5 REGULATORY REQUIREMENTS

.1 Conform to ANSI A117.1 applicable code for access for the handicapped.

1.6 FIELD MEASUREMENTS

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

1.7 COORDINATION

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

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

.1 Shanahans, Model SML O.B.

.2 Hadrian, Model Academy

.3 G.S.W., Model Epic .

2.2 MATERIALS

.1 Steel Sheet: ASTM A653/A653M, with G90 zinc coating. ASTM A424, Type I, commercial quality.

.2 Stainless steel: ASTM A167, Type 304 stainless steel.

2.3 ACCESSORIES

.1 Pilaster Shoe: Formed ASTM A167 type 304 stainless steel with No. 4 finish, 175 mm high, with adjustable screw jack.

.2 Head Rails: Hollow aluminum tube, 25 x 41 mm size, with cast socket wall brackets.

.3 Attachments, Screws, and Bolts: Stainless steel.

.4 Hardware Stainless steel:

.1 Pivot hinges, gravity type, adjustable for door close positioning.

.2 Nylon bearings.

.3 Thumb turn door latch with exterior emergency access feature.

.4 Door strike and keeper with rubber bumper.

.5 Coat hook with rubber bumper.

.6 Door pull for outswinging doors.

2.4 FABRICATION

.1 Fabricate components of steel sheet as follows:

.1 Panel and Door Faces: 0.9 mm.

.2 Pilaster Faces: 0.9 mm.

.3 Reinforcement: 1.90 mm.

.2 Doors and Panels:

.1 Thickness: 25 mm

.2 Door Width: 610 mm

.3 Door Width for Handicapped Use: 915 mm , out-swinging.

.4 Height: 1 473 mm

.3 Pilasters: 32 mm thick, of sizes required to suit cubicle width and spacing.

.4 Door, Panel, and Pilaster Construction: Sheet steel face, pressure bonded to sound deadening core, form and close edges, miter and weld corners, grind smooth.

.5 Internal Reinforcement: Provide in areas of attached hardware and fittings. Mark locations of reinforcement for partition mounted washroom accessories.

2.5 FINISHING

.1 Clean, degrease, and neutralize panels.

.2 Follow immediately with a phosphatizing treatment, prime coat and two finish coats baked enamel.

.3 Colours: colour as selected.

.4 Stainless Steel Surfaces: No. 4 finish.

.5 Exposed Steel Surfaces: Satin.

.6 Aluminum: Natural Anodized.

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 9 to 13 mm 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 through bolts and nuts. Locate head rail joints at pilaster center lines.

.5 Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster. Conceal floor fastenings with pilaster shoes.

.6 Equip each door with two hinges, one door latch, one coat hook and bumper ; outswinging door with pull.

.7 Install door strike and keeper with door bumper on each pilaster in alignment with door latch.

.8 Field touch-up of scratches or damaged enamel finish will not be permitted.

.9 Replace damaged or scratched materials with new materials.

3.3 ERECTION TOLERANCES

.1 Maximum Variation From True Position: 6 mm.

.2 Maximum Variation From Plumb: 3 mm.

3.4 ADJUSTING

.1 Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 5 mm.

.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 Floor support stringer framing system.

.2 Removable floor panels.

.3 System electrostatic grounding.

.4 Fascia panels, ramps, stairs, and railings

1.2 RELATED SECTIONS

.1 Section 09688 – Carpet-Glue Down.

.2 Section 09650 - Resilient flooring.

.3 Division 16 - Grounding of floor system to building system

1.3 REFERENCES

.1 NFPA 75 - Protection of Electronic Computer/Data Processing Equipment.

.2 ASTM E84 - Test for Surface Burning Characteristics of Building Materials.

1.4 PERFORMANCE REQUIREMENTS

.1 Pedestals:

.1 Maximum Axial Load: 40 KN without permanent deformation.

.2 Ultimate Strength: Not less than twice design load.

.2 Floor Panels: Conform to the following:

.1 Rolling Load: 4.41 KN.

.2 Maximum Deflection: 0.08 inch.

.3 Concentrated Load: 5.56 KN with maximum deflection of 2.54 mm.

.4 Permanent Deformation: 0.25 mm maximum at design load.

.5 Ultimate Strength: Not less than three times design load.

.3 Lateral Stability: Design system for lateral stability in all directions, with or without panels in place.

.4 Surface Electrical Resistance: Maximum 1 ohm per panel.

1.5 SUBMITTALS

.1 Submit shop drawings and product data to requirements of the Section 0100.

.2 Indicate on shop drawings, floor layout, interruptions to grid, special sized panels, panels requiring drilling or cut-out for services, appurtenances or interruptions and edge details.

.3 Provide product data on grid system, panels and accessories.

1.6 MAINTENANCE DATA

.1 Submit maintenance data under provisions of the General Specifications.

.2 Include recommended cleaning methods, cleaning materials stain removal methods and polishes and waxes.

1.7 QUALITY ASSURANCE

.1 Perform Work in accordance with NFPA 75.

.2 Installer: Company specializing in performing the Work of this section with minimum 5 years documented experience approved by manufacturer.

.3 Design floor system structure layout for this project under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed at the place where the Project is located.

1.8 REGULATORY REQUIREMENTS

.1 Electrical Grounding Connection: Listed and classified by Underwriters' Laboratories, Inc., as suitable for the purpose specified and indicated.

1.9 EXTRA MATERIAL

.1 Submit the following maintenance materials, label and turn over to City of Winnipeg.

.2 Provide 10 spare stringers.

.3 Panel Lifting Devices: Two.

1.10 COORDINATION

.1 Exact layout of floor system shall be determined by the City of Winnipeg to facilitate installation and maintenance of the City of Winnipeg equipment.

.2 Schedule a pre-installation conference with the Contract Administrator and City of Winnipeg to determine starting point of flooring installation and critical locations of full sized floor panels and acceptable locations of cut floor panels.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

.1 ASP Access Floor System

2.2 SUPPORT COMPONENTS

.1 Pedestals: Steel with flat bottom base plate, threaded supporting rod, vibration proof lock nut to permit adjustment, manufacturers standard finish.

.2 Pedestal to achieve finished floor elevation 200 nominal height above subfloor, as indicated on drawings, room 127 to be 400 nominal height above subfloor.

.3 Stringers: Steel construction, snap on 600 mm stringers.

2.3 PANEL COMPONENTS

.1 Floor Panels: steel covered composite core panels; 25 mm thick high density particleboard core, laminated to top and bottom face sheets of hot dipped galvanized sheet steel. Enclose edges of core with upturned, die formed edge of bottom sheet.

.2 Provide edge trim on panels with static dissipative surface materials.

.3 Floor Panel Size: 600 mm x 600 mm nominal.

.4 Floor Panel Finish (in rooms noted on room finish schedule as VCT): static dissipative vinyl; Specified in Section 10270 as RSF-2.

.5 Floor Panel finish (in areas under carpet tile): steel finish.

2.4 ACCESSORIES

.1 Electrostatic grounding connectors: solid copper.

.2 Panel lifting devices: recommended manufacturers standard type.

.3 Gaskets: closed cell sponge rubber, performed to suit.

.4 Cable cut out protection: extruded polyvinyl chloride, self extinguishing.

.5 Vertical closure: provide manufacturers standard metal closure plates with factory applied finish.

.6 Ramps: manufactures standard ramp construction of width and slope as indicated prepared for application of carpet tile and of same materials, performance, and construction requirements as access flooring.

.7 Railings; Manufacturer's standard satin finish extruded aluminum post and rail system at ramps and stairs where indicated. Provide handrail, intermediate rails, posts, brackets, end caps, wall returns, wall and floor flanges, plates and anchorages as required.

2.5 FINISHES

.1 Exposed steel surfaces: Baked enamel finish, colour as selected.

2.6 FABRICATION TOLERANCES

.1 Floor panel flatness: Plus or minus 1.5 mm in any direction.

.2 Panels to be 100% interchangeable.

PART 3 EXECUTION

3.1 EXAMINATION

.1 Verify that field conditions are acceptable and are ready to receive the Work.

.2 Verify that required floor mounted utilities are available, in proper location and ready for use.

.3 Beginning of installation means installer accepts existing conditions.

3.2 PREPARATION

.1 Clean substrate surfaces.

.2 Protect elements surrounding the Work of this Section from damage or disfiguration.

.3 Confirm locations of service cut-outs with Division 15 and 16. prior to cutting panels.

3.3 INSTALLATION

.1 Install floor system to layout selected by Contract Administrator.

.2 Install components in accordance with manufacturers instructions.

.3 Secure pedestal base plate to Subfloor with adhesive.

.4 Install additional pedestals where grid pattern is interrupted by room appurtenances and at cutouts.

.5 Install floor panels solidly on pedestals and snap on stringers.

.6 Provide positive electrical earth grounding of entire floor assembly.

3.4 ADJUSTING

.1 Adjust pedestals to achieve a level floor and to assure adjacent floor panel surfaces are flush.

3.5 CLEANING

.1 Clean exposed surfaces of all components.

3.6 PROTECTION OF FINISHED WORK

.1 Protect finished installation.

.2 Do not permit traffic over unprotected floor surface.

.3 Advise Contract Administrator if flooring has been overloaded after completion and prior to Substantial Performance.

END OF SECTION

PART 1 GENERAL

1.1 SECTION INCLUDES

.1 Locker units with hinged doors.

.2 Metal bases, tops, and filler panels.

.3 Locker benches.

1.2 RELATED SECTIONS

.1 Section 06114 – Rough Carpentry.

1.3 REFERENCES

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

1.4 SUBMITTALS

.1 Product Data: Provide data on locker types, sizes and accessories.

.2 Shop Drawings: Indicate locker plan layout, numbering plan.

.3 Samples: Submit two samples 75 x 150 x mm in size, of each colour selected; applied to specified base metal.

1.5 DELIVERY, STORAGE, AND PROTECTION

.1 Protect locker finish and adjacent surfaces from damage.

PART 2 PRODUCTS

2.1 MANUFACTURERS - LOCKERS

.1 General Storage Systems.

.2 Shanahans.

.3 Hadrian.

2.2 MATERIALS

.1 Sheet Steel: Mild, cold rolled and leveled unfinished steel; to the following minimum thicknesses:

.1 Body and Shelf: 0.6 mm

.2 Door Outer Face: 0.91 mm

.3 Door Inner Face: 0.6 mm

.4 Door Frame: 1.5 mm

.5 Hinges: 1.9 mm

.6 Base: 0.9 mm

.7 Sloping Top: 0.6 mm

.8 Trim: 0.6 mm

2.3 ACCESSORIES

.1 For Each Locker: Two double prong wall hooks, hat shelf, and rubber bumper,.

.2 Locker Benches: Stationary type; bench top of laminated edge grain maple species wood, stained, sealed and varnished; pedestals of steel , 254 mm high; length to be 1200 mm, colour of pedestals to match lockers.

2.4 FABRICATION

.1 Locker Units:

.1 Width: 300 mm.

.2 Depth: 300 mm nominal.

.3 Height: 1 830 m.

.4 Configuration: single tier.

.5 Mounting: Surface mounted and Free standing.

.6 Base: Metal base.

.7 Base Height: 100 mm.

.8 Top: Sloped metal with closures.

.9 Locking: Equipped for padlock hasps.

.2 Locker Body: Formed and flanged; with steel stiffener ribs; bolted or pop riveted.

.3 Frames: Formed channel shape, welded and ground flush, welded to body , resilient gaskets and latching for quiet operation.

.4 Doors: Hollow sandwich construction, 30 mm thick; welded construction, channel reinforced top and bottom with intermediate stiffener ribs, acoustic insulation fill, grind and finish edges smooth.

.5 Hinges: ; three for doors over 1 050 mm high; weld securely to locker body and rivet to unit door.

.6 Locking device supplied by City of Winnipeg.

.7 Number Plates: Provide rectangular shaped aluminum number plates.

.8 Provide ventilation openings at top and bottom of each locker.

.9 Form recess for operating handle and locking device.

.10 Finish edges smooth without burrs.

.11 Fabricate sloped metal tops , ends and closure pieces.

.12 Fabricate 100 150 mm 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 bodies and doors in contrasting colours.

.3 Colour(s): colour(s) 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: 445 N.

.5 Bolt adjoining locker units together to provide rigid installation.

.6 Install end panels, filler panels, sloped tops, and bases.

.7 Install accessories.

.8 Replace components that do not operate smoothly.

.9 Attach benches firmly to floor to locations indicated.

3.3 CLEANING

.1 Clean locker interiors and exterior surfaces.

END OF SECTION

PART 1 GENERAL

1.1 SECTION INCLUDES

.1 Washroom accessories.

.2 Grab bars.

.3 Shower curtains and rods.

.4 Attachment hardware.

1.2 RELATED SECTIONS

.1 Section 06114 – Rough Carpentry

.2 Section 08800 - Glazing: Wall mirrors.

.3 Section 10160 - Metal Toilet Compartments.

1.3 REFERENCES

.1 ANSI A117.1 - Safety Standards for the Handicapped.

.2 ASTM A123 - Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

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

.4 ASTM A269 - Seamless and Welded Austenitic Stainless Steel Tubing for General Service.

.5 ASTM A366 - Steel, Carbon, Cold-Rolled Sheet, Commercial Quality.

.6 ASTM B456 - Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.

1.4 SUBMITTALS

.1 Section 01000: Submission procedures.

.2 Product Data: Provide data on accessories describing size, finish, details of function, attachment methods.

1.5 REGULATORY REQUIREMENTS

.1 Conform to ANSI A117.1 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 MANUFACTURERS

.1 Bobrick

.2 Frost

2.2 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, waterproof.

.5 Fasteners, Screws, and Bolts: Hot dip galvanized, tamper-proof.

.6 Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

2.3 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. Knurl grip surfaces. Provide concealed mount.

.4 Shop assemble components and package complete with anchors and fittings.

.5 Provide steel anchor plates, adapters, and anchor components for installation.

2.4 KEYING

.1 Supply two keys for each accessory to City of Winnipeg.

.2 Key all accessories.

2.5 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, Type SC 2 satin 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.

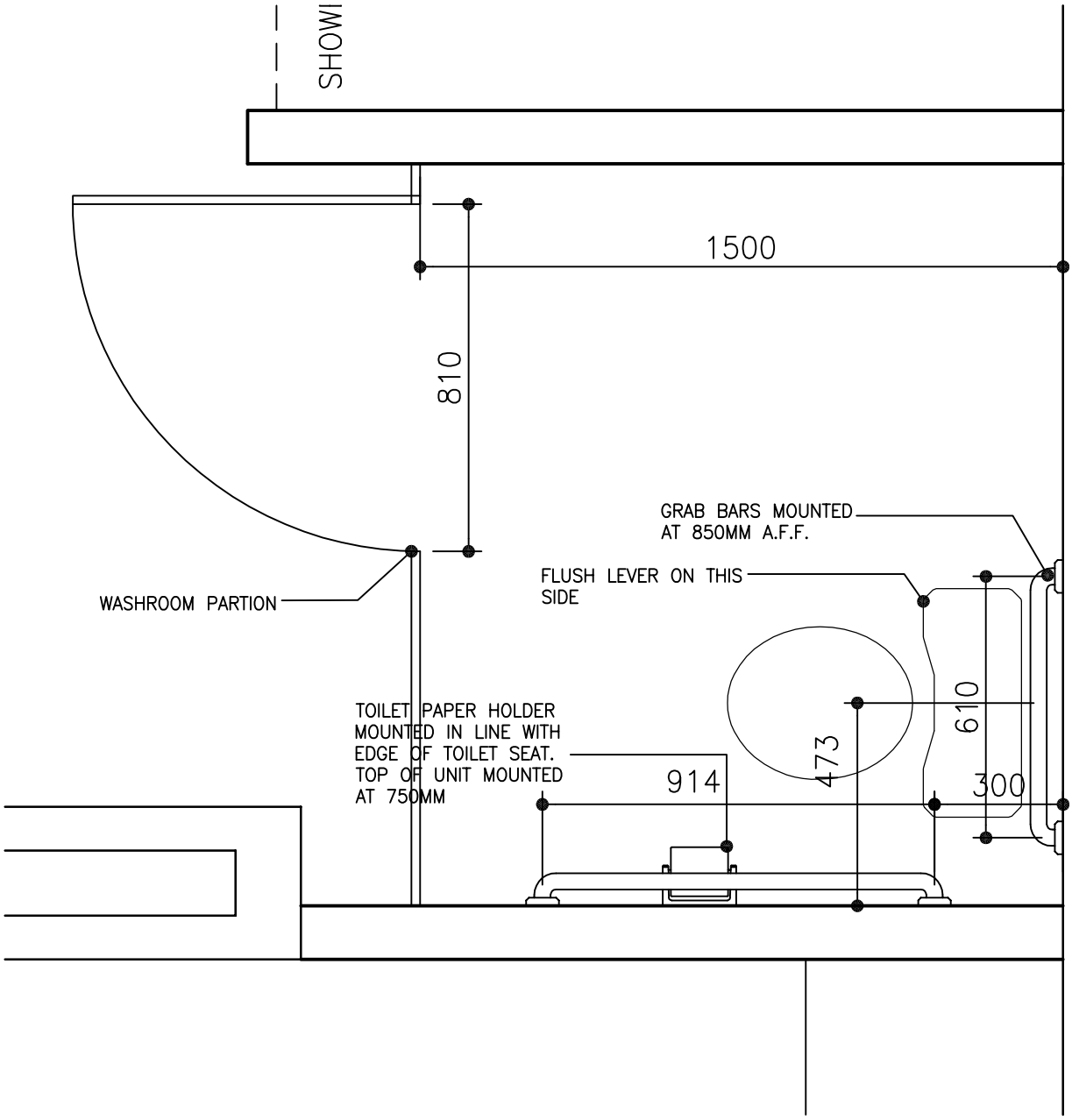
.2 Install plumb and level, securely and rigidly anchored to substrate.

3.4 SCHEDULE

DESCRIPTION	MODEL	REMARKS
waste receptacle	Bobrick B-43644	Recessed mounted
Soap Dispenser	Bobrick B-4112	Surface mounted
Toilet Tissue Dispenser	Bobrick B-4388	one per water closet
Grab bar	Bobrick Model B-6806 - 610	
Grab Bar	Bobrick Model B-6806 - 914	
Feminine Napkin Dispenser	Bobrick B-43500	Recessed mount
Feminine Napkin Disposal Unit	Bobrick B-270	Surface mounted

DESCRIPTION	MODEL	REMARKS
Shower curtain and rod	Rod; Bradley Model 9538 – 1" o.d. length to suit. Liner; Shower Shield with Vista XL finish, 72",wide Dacron Polyester; fire resistant; antimicrobial, Intrinsic by Milliken. Colour to be Cream Curtain: Med-Pro Health care Distributed by K.P. Enterprises, 775-1083 Panorama 2 ; 72" wide Inherently flame resistant Washable to 160 degrees F.; Style 9990; Pattern – YoYo ; Colour 32 Natural Avora FR Blend, polyester .	Small shower in room 114

END OF SECTION



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MEN'S STALL

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drawn by: KF
checked by: XXX
date: 6-4-2006

project no. 04136
sheet no. DA-1A

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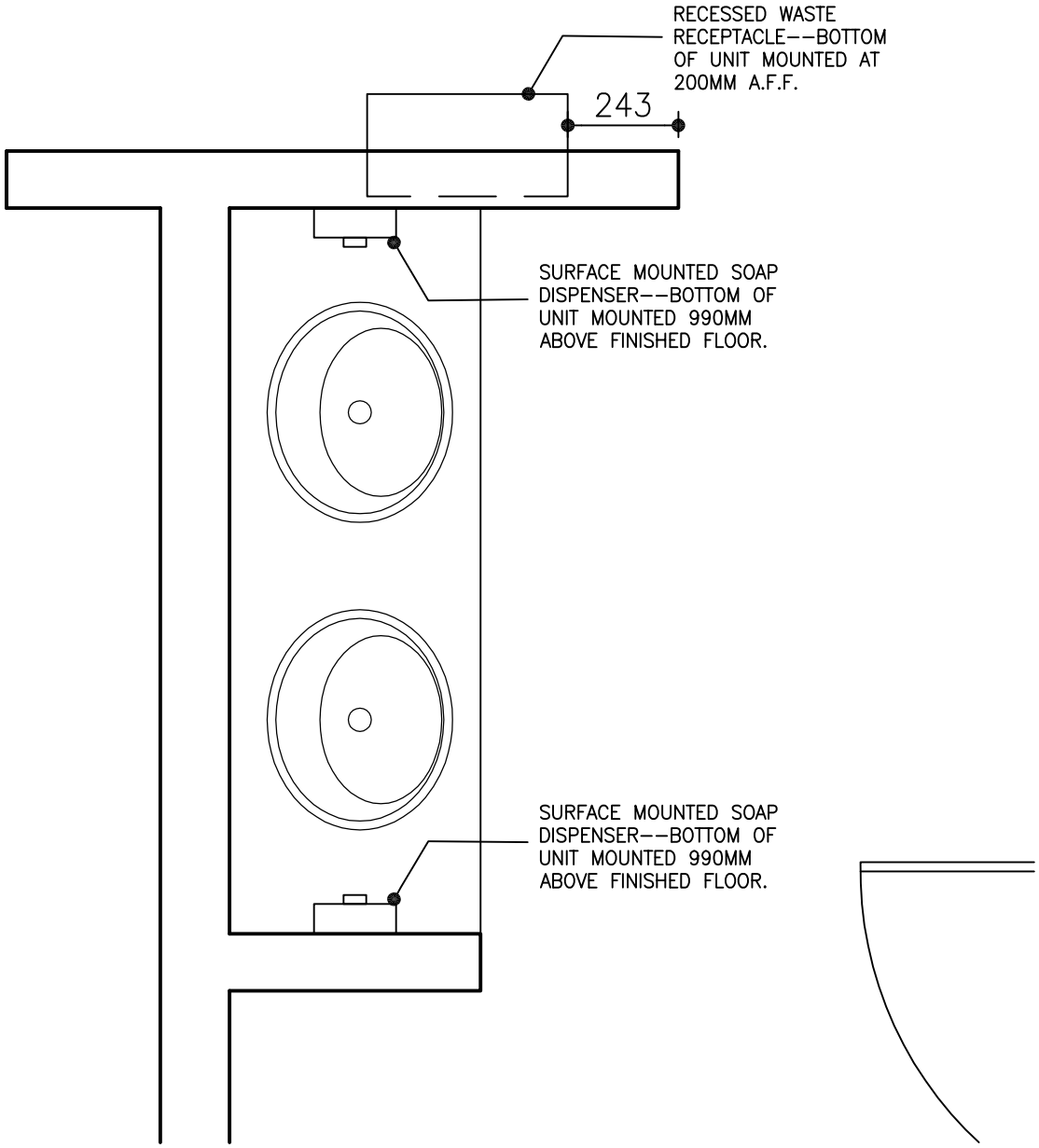

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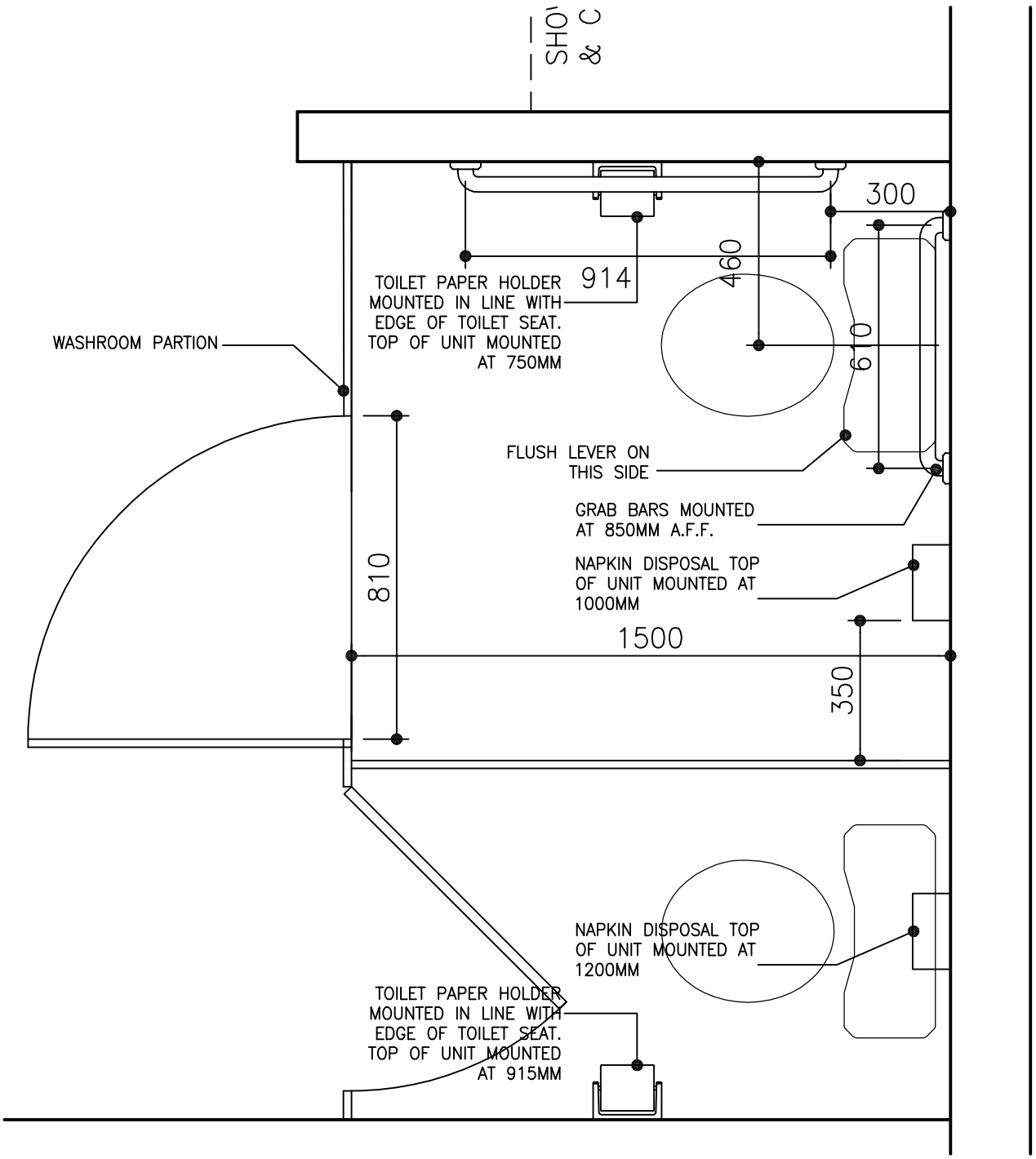

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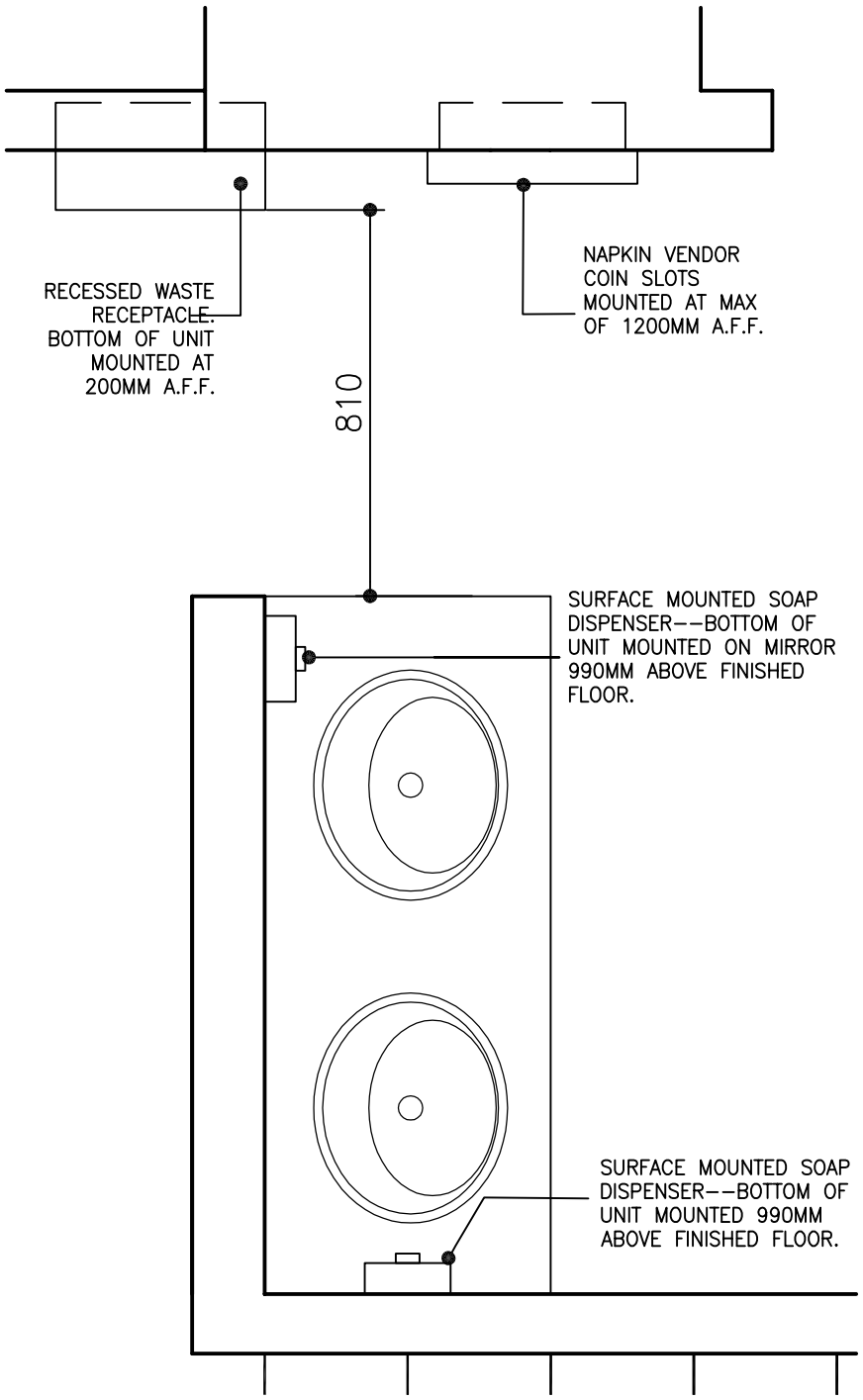

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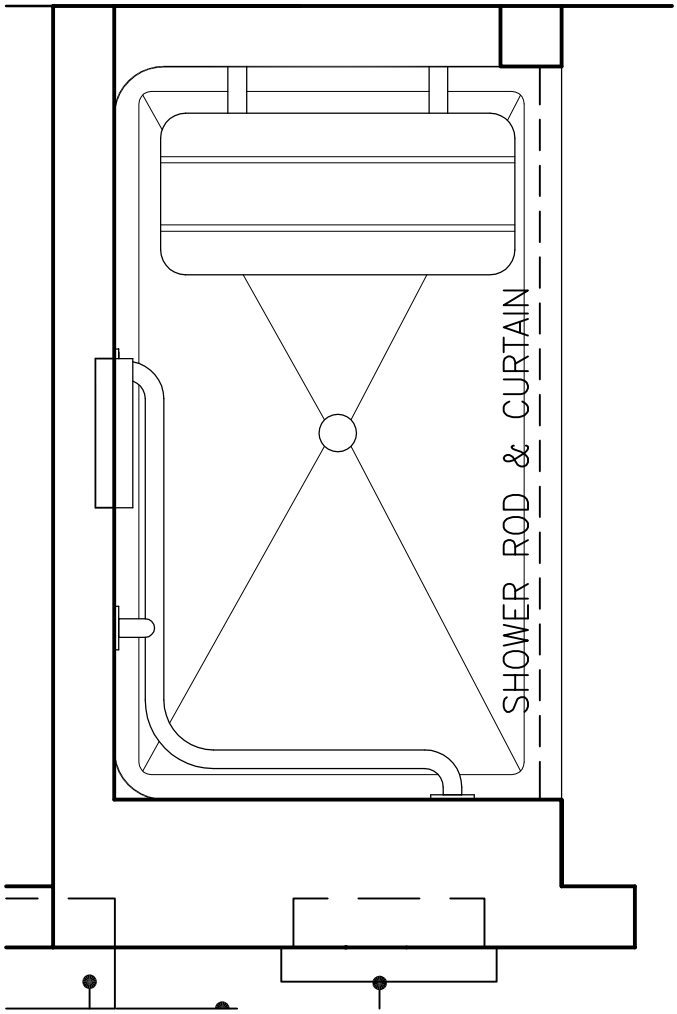

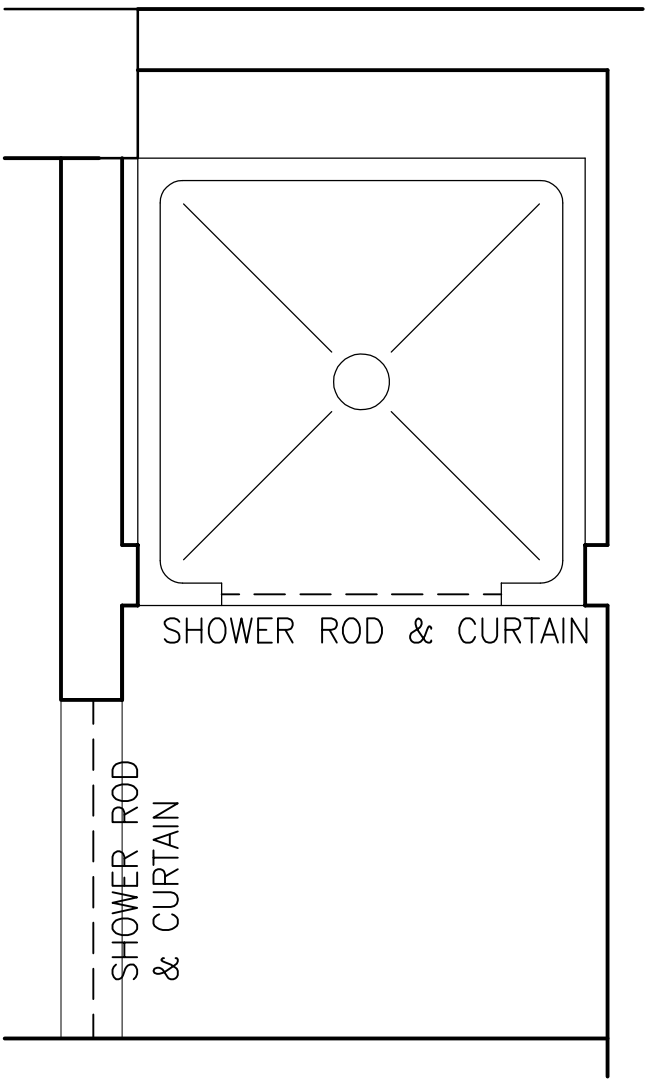

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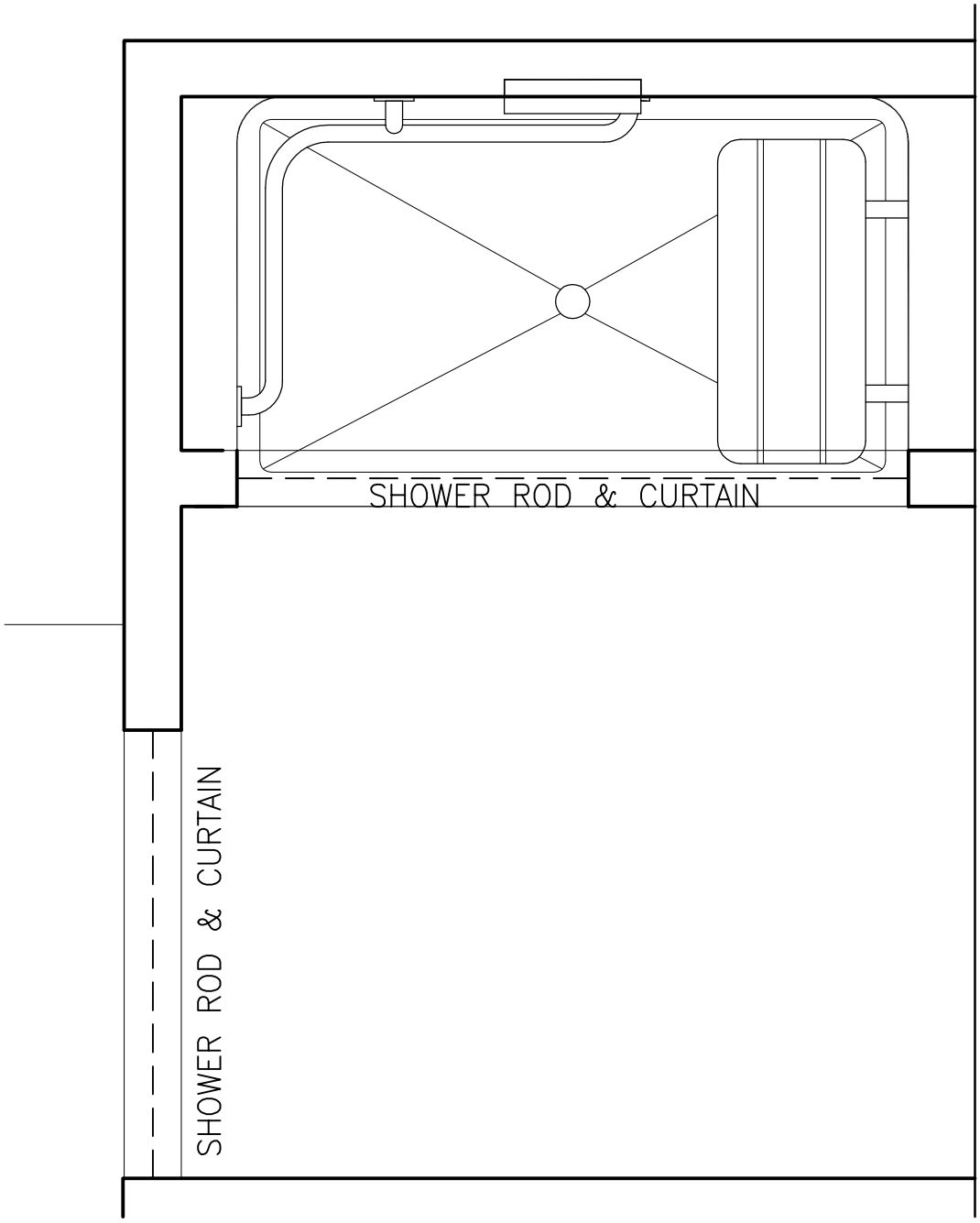

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sheet title
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MEN'S SHOWER

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