

SECTION 102115

TOILET COMPARTMENTS

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Plastic laminate faced toilet partitions.
 - 2. Plastic laminate faced urinal screens.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.
 - 2. Section 102813 - Toilet Accessories.

1.2 REFERENCES

- A. American National Standards Institute (ANSI) (www.ansi.org) A208.1 - Mat Formed Wood Particleboard.
- B. Association of Electrical and Medical Imaging Equipment Manufacturers (NEMA) LD-3 - High Pressure Decorative Laminates.

1.3 SUBMITTALS

- A. Submittals for Review:
 - 1. Shop Drawings: Include layout, dimensions, materials, panel construction, finishes, hardware, and accessories.
 - 2. Samples:
 - a. 3 x 3 inch panel samples in each color.
 - b. 3 x 3 inch plastic laminate samples in each color.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum 3 years documented experience in work of this Section.
- B. Conform to applicable accessibility code for hardware types and locations.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract documents are based on HPL Classic 1540 by Bobrick Washroom Equipment, Inc. (www.bobrick.com)
- B. Substitutions: Under provisions of Division 01.

2.2 MATERIALS

- A. Plastic Laminate: NEMA LD 3, nominally 1/16 inch thick.
- B. Core: ANSI A208.1, wood chips set with waterproof resin binder, sanded faces, 45 PSF density.

- C. Hardware: Chrome plated steel.
 - 1. Hinges: Gravity rising or non rising spring tension actuated; conceal operable parts in door.
 - 2. Latch: Sliding type requiring maximum 5 pound force to operate, with emergency release operation.
 - 3. Door pull.
 - 4. Coat hook/door stop: Combination type with rubber tip.
 - 5. Door strike and keeper with rubber bumper.
- D. Steel Plate Reinforcement: Carbon steel, prepared for fasteners, 1/8 inch thick.

2.3 ACCESSORIES

- A. Fasteners: Stainless steel, theft resistant where exposed.

2.4 FABRICATION

- A. Configurations:
 - 1. Toilet partitions: Floor mounted, overhead braced.
 - 2. Urinal screens: Floor Mount with continuous bracket.
- B. Plastic-Laminate Construction:
 - 1. Plastic laminate faces, bonded under heat and pressure to solid panel core.
 - 2. Edges bound with self edged banding to match panel faces.
 - 3. Minimum panel thickness: 1-1/16 inch.
- C. Provide cutouts for toilet room accessories specified in Section 102813. Mark locations for partition mounted accessories.
- D. Pilaster Shoes: Formed chrome plated steel.

2.5 FINISHES

- A. Plastic Laminate: Evening Tigris No. 4674-60 by Bobrick Washroom Equipment, Inc., or approved substitute.
- B. Hardware and Accessories:
 - 1. Chrome plated steel: Bright polished.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved Shop Drawings.
- B. Set partitions straight, plumb, level, and aligned.
- C. Provide 3/8 to 1/2 inch vertical clearances between walls and panels and between walls and end pilasters.
- D. Attach panel brackets to walls using appropriate anchor devices.
- E. Adjust for floor variations with screw jack integral in pilasters. Conceal floor fastenings with pilaster shoes.
- F. Equip doors with two hinges, door latch, pull, door strike and keeper, and coat hook/door stop. Provide additional pull and coat hook/door stop on inside of outswinging doors.

3.2 ADJUSTING

- A. Adjust hardware for proper operation.
- B. Adjust door hinges to hold door open 10 degrees when not latched.

END OF SECTION

SECTION 102229

FOLDING PANEL PARTITIONS

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Folding panel partitions.
 - 2. Ceiling track and operating hardware.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 REFERENCES

- A. ASTM International (ASTM):
 - 1. E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
 - 2. E90 - Standard Test Method for Airborne Sound Transmission Loss of Building Partitions.
 - 3. E413 - Standard Test Method for Classification for Rating Sound Insulation.
 - 4. E557 - Standard Guide for the Installation of Operable Partitions.

1.3 SYSTEM DESCRIPTION

- A. Partition Type: Top supported, individual panels.
- B. Operation: Manual.

1.4 SUBMITTALS

- A. Submittals for Review:
 - 1. Shop Drawings: Indicate opening sizes, track layout, details of track and required supports, static and dynamic loads, location and details of pass door and frame, adjacent construction and finish trim, and stacking sizes.
 - 2. Product Data: Provide data on partition operation, hardware and accessories, colors and finishes available.
 - 3. Samples: 6 x 6 inch panel finish samples in each color.
 - 4. Warranty: Sample warranty form.
- B. Quality Control Submittals:
 - 1. Certificates of Compliance: Certification from an independent testing laboratory that panels meet fire hazard classification requirements.
- C. Closeout Submittals:
 - 1. Operation and Maintenance Data.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications:
 - 1. Minimum 3 years documented experience in work of this Section.
 - 2. Approved by partition manufacturer.
- B. Partition Sound Transmission Class: Minimum STC rating of 41, tested to ASTM E90 and classified in accordance with ASTM E413.
- C. Fire Hazard Classification: Maximum flame spread/smoke developed rating of 25/50, tested to ASTM E84.

1.6 WARRANTIES

- A. Furnish manufacturer's 2 year warranty providing coverage against defects in materials and installation.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract documents are based on products by Modernfold, Inc. (www.modernfold.com)
- B. Substitutions: Under provisions of Division 01.

2.2 COMPONENTS

- A. Panels:
 - 1. Source: Acousti-Seal Encore by Modernfold, Inc., or approved substitute.
 - 2. Construction: Minimum 16 gage formed sheet steel frame top, bottom, jambs, and intermediates, welded construction, internally reinforced at suspension points, with gypsum board facings.
 - 3. STC: 50.
 - 4. Thickness: 3 inches.
 - 5. Opening Size: 15 feet x 21 feet 4 inches.
 - 6. Trim: Trimmed with extruded aluminum.
 - 7. Closure panels: Same construction as panels.
- B. Sound Seals:
 - 1. Vertical panel edges: Tongue and groove astragals with neoprene gaskets.
 - 2. Bottom:
 - a. Source: Manual Sure Set 3 inch door bottom by Modernfold Inc., or approved substitute.
 - b. Description: Drop seal, mechanically operated by lever in panel edge.
 - 3. Top: Continuous contact sweep type.
- C. Pocket Closure Doors:
 - 1. Source: Acousti-Seal 900 Series Pocket Door by Modernfold Inc., or approved substitute.
 - 2. Description: Same construction and finish as panels.
 - 3. Doors hinged on one side.
 - 4. Fit doors with pull handles of satin chrome finish and magnetic catches.
- D. Suspension System:
 - 1. Continuous steel track supported by adjustable hanger rod assemblies.
 - 2. Carriers: Nylon tire ball bearing wheels on trolley carrier at top of every panel, sized to carry imposed loads, with threaded pendant bolt for vertical adjustment.

2.3 FINISHES

- A. Panel Facings: Mojave II by Designtex, Patina 111873-548.
- B. Exposed Panel Trim Color: Dark Bronze.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions and ASTM E557.
- B. Fit and align partition assembly pocket doors level and plumb.
- C. Lubricate moving components.

3.2 ADJUSTING

- A. Adjust partition assembly to provide smooth operation from stacked to full open position. Do not over-compress acoustic seals.
- B. Visually inspect partition in full extended position for light leaks to identify a potential acoustical leak.
- C. Adjust to achieve light tight seal.

3.3 DEMONSTRATION

- A. Demonstrate proper operation to Owner's personnel.

END OF SECTION

SECTION 102600
WALL PROTECTION

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Corner guards.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 SUBMITTALS

- A. Submittals for Review:
 - 1. Product Data: Indicate profiles, accessories, attachments, and adhesive.
 - 2. Samples:
 - a. 6 inch long corner guard samples.
 - b. Proposed adhesive.

1.3 PROJECT CONDITIONS

- A. Do not install guards until after painting and finishing work is completed.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Corner Guards:
 - 1. Source: GS15 SS by Koroseal or approved substitute.
 - 2. Size: 1-1/2 inches x 1-1/2 inches x full height.
 - 3. End caps: None.
 - 4. No track system

2.2 ACCESSORIES

- A. Adhesive: Silicone, type recommended by manufacturer.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Apply directly to surface with adhesive and secure with blue tape in multiple areas of each piece for a minimum of 24 hours.
- C. Set plumb, level, and rigid.

END OF SECTION

SECTION 102813

TOILET ACCESSORIES

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Toilet accessories.
 - 2. Framed mirrors.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 REFERENCES

- A. ASTM International (ASTM):
 - 1. A123/A123M - Standard Specification for Zinc (Hot-Galvanized) Coatings on Iron and Steel Products.
 - 2. A269 - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service.
 - 3. A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
 - 4. A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability.
 - 5. B456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
 - 6. C1036 - Standard Specification for Flat Glass.

1.3 SUBMITTALS

- A. Submittals for Review:
 - 1. Product Data:
 - a. Schedule accessories by room; show plans and elevations, and identify room name and number, type and quantity of accessories, and mounting heights.
 - b. Include manufacturer's brochures showing sizes, details of function, finishes, and attachment methods.
 - 2. Warranty: Sample warranty form.

1.4 QUALITY ASSURANCE

- A. Conform to applicable accessibility code for locating accessories.

1.5 WARRANTIES

- A. Furnish manufacturer's 10 year warranty providing coverage against mirror silver spoilage.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Stainless Steel:
 - 1. Sheet: ASTM A666, Type 304, rollable temper.
 - 2. Tubing: ASTM A269.
- B. Galvanized Steel: ASTM A1008/A1008M.
- C. Mirror Glass: ASTM C1036, Type I, Class 1, Quality q1, 1/4 inch thick.

2.2 ACCESSORIES

- A. Fasteners: Stainless steel where exposed, hot dip galvanized where concealed; type best suited to substrate conditions.

2.3 FABRICATION

- A. Use stainless steel for exposed surfaces; galvanized steel may be used in concealed locations.
- B. Form exposed surfaces from single sheet of stock, free from joints, and flat, without distortion.
- C. Weld joints of fabricated components and grind smooth.
- D. Fabricate grab bars of tubing, free of visible joints, return to wall with end attachment flanges.
- E. Fabricate soap dispensers to operate with less than 5 pound force.
- F. Provide hangers, adapters, anchor plates, and accessories required for installation.
- G. Key locks alike; furnish six keys.
- H. Mirrors:
 - 1. Frame: One piece, roll formed stainless steel channel, 1/2 x 1/2 inch, with corners mitered and welded.
 - 2. Mirror: Apply one coat of silver, one coat of electroplated copper, and one coat of organic mirror backing compound to back surface of glass.
 - 3. Backing: Galvanized steel sheet.
 - 4. Isolate glass from frame and backing with resilient, waterproof padding.
- I. Shop assemble units and package complete with anchors and fittings.

2.4 FINISHES

- A. Stainless Steel: No. 4 satin.
- B. Galvanizing: ASTM A123/A123M to 1.25 ounces per square foot.
- C. Chrome Plating: ASTM B456, Type SC 2, polished.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Set plumb, level, square, and rigid.

3.2 SCHEDULE

| MARK | DESCRIPTION | MANUFACTURER | MODEL NO. |
|------|--------------------------|---------------------|---|
| A | Baby Changing Station | Koala Kare Products | Model KB200-00, Cream |
| B | Feminine Napkin Disposal | Bobrick | Model B-270 |
| C | Grab Bars | Bobrick | Model B-5806, 1 1/4 inch diameter, satin finish |
| D | Seat Cover Dispenser | Bobrick | Model B-221 |
| E | Hand Dryer Recess Kit | Xcelerator | Model 40502 |
| F | Hand Dryer | Xcelerator | Model Excel XL-SB |
| G | Wall Guard | Xcelerator | Model 89S |
| H | Towel Dispenser | Bobrick | |

END OF SECTION

SECTION 104413

FIRE EXTINGUISHERS AND CABINETS

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Portable fire extinguishers.
 - 2. Cabinets and wall brackets.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 REFERENCES

- A. ASTM International (ASTM) E814 - Standard Test Method for Fire Tests of Through-Penetration Firestops.
- B. National Fire Protection Association (NFPA) 10 - Portable Fire Extinguishers.
- C. Underwriters Laboratories (UL):
 - 1. 154 - Carbon Dioxide Fire Extinguishers.
 - 2. 299 - Dry Chemical Fire Extinguishers.
 - 3. 711 - Rating and Fire Testing of Fire Extinguishers.

1.3 SUBMITTALS

- A. Submittals for Review:
 - 1. Shop Drawings: Indicate cabinet bracket locations and mounting heights.
 - 2. Product Data: Include data on extinguishers and cabinets, cabinet dimensions, operational features, materials, finishes, and anchorage.
- B. Closeout Submittals:
 - 1. Maintenance Data: Include test, refill, or recharge schedules and re-certification requirements.

1.4 QUALITY ASSURANCE

- A. Provide fire extinguishers complying with UL 711 and NFPA 10.
- B. Cabinets in Fire Rated Partitions: Tested in accordance with ASTM E814 with fire resistance rating equivalent to adjacent construction.
- C. Conform to applicable accessibility code for locating extinguishers.

1.5 PROJECT CONDITIONS

- A. Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract documents are based on products by JL Industries. (www.jlindustries.com)
- B. Substitutions: Under provisions of Division 01.

2.2 COMPONENTS

- A. Extinguishers:
 - 1. Fire Extinguisher:
 - a. Source: Cosmic Series by JL Industries, 5 pound capacity.
 - b. Description: Multi-purpose dry chemical type, UL 299, cast steel tank, Class 2A:10B:C, 5 pound nominal capacity.
 - 2. Kitchen Fire Extinguisher:
 - a. Source: Saturn Series by JL Industries, 5 pound capacity.
 - b. Description: Wet chemical type, cast steel tank, Class 2A-1B:C:K, 5 pound nominal capacity.
- B. Cabinets:
 - 1. Source: Ambassador Series by JL Industries.
 - 2. Material: Formed steel sheet, 18 gage minimum.
 - 3. Configuration: Semi-recessed, sized to accommodate extinguishers.
 - 4. Trim: Trimless.
 - 5. Door:
 - a. Full glass style, equipped with pull handle and keyed lock with emergency release.
 - b. Hinge doors for 180 degree opening with continuous piano hinge.
 - c. Glazing: Clear acrylic.
- C. Brackets: Formed galvanized steel, sized to accommodate extinguisher.

2.3 ACCESSORIES

- A. Mounting Hardware: Type best suited to application.

2.4 FINISHES

- A. Cabinet:
 - 1. Exterior and door: Baked enamel, black.
 - 2. Interior: Baked enamel, black.
- B. Extinguishers: Baked enamel, red color.
- C. Brackets: Primed for field painting.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install cabinets in accordance with manufacturer's instructions.
- B. Set plumb, level, and rigid.
- C. Place an extinguisher in each cabinet and on each bracket.

END OF SECTION