

SECTION 10400

SIGNS

PART 1 - GENERAL

1.1 SUMMARY

- A. Related Documents: Provisions established in Conditions of the Contract, Division 1 - General Requirements, and the Drawings are collectively applicable to this Section.
- B. Section Includes
 - 1. Identifying devices where shown on the Drawings complete and as specified including the following:
 - a. Interior room signs.
 - 2. Coordination for installation of signage provided by others.

1.2 SUBMITTALS

- A. Shop Drawings and Manufacturers' Brochures: Submit in accordance with Section 01330.
- B. Samples: 4 inch by 4 inch finished color.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers: Subject to compliance with requirements herein, provide products from one of the following:
 - 1. ASI Signs, Dallas, Texas.
- B. Substitutions: Not permitted.

2.2 HANDICAPPED PARKING (refer to Landscape Drawings)

2.3 BUILDING MONUMENT SIGNAGE (refer to Drawings)

2.4 ROOM SIGNAGE SYSTEMS

- A. Acceptable Manufacturers:
 - 1. ASI Sign Systems, 3890 W. Northwest Highway, Suite 102, Dallas, TX 75220; (214) 352 9140 telephone; (214) 352 9741 facsimile; (800) ASI-SPEC [274-7446]
 - 2. Substitutions: Submit in accordance with Section 01600.
- B. Acceptable Product: ASI Unframed SP Series Signs with requirements indicated for materials, thickness, finish colors, designs, shapes, sizes and details.
- C. Sign Face: Clear acrylic, 0.080 inch thick, matte first surface.
 - 1. Adhesive: Pressure sensitive adhesive film, second surface.
- D. Tactile Graphics and Text:
 - 1. Fabrication: Provide tactile copy and grade 2 braille raised 1/32 inch minimum from plaque first surface by manufacturer's stratification process as follows:
 - a. ASI Intouch™, photo-mechanical method.
 - 2. Provide lettering and graphics precisely formed, uniformly opaque to comply with relevant ADA regulations and requirements indicated for size, style, spacing, content, position, and colors.
- E. Non-Tactile Graphics and Text:
 - 1. Fabrication options:
 - a. Series SPE/SPJ: Non-tactile graphic plaque, no back plate.
 - 2. Text or graphic technique:
 - a. Screen process using subsurface method.
 - 3. Provide lettering and graphics precisely formed, uniformly opaque, and consistent in

- size, style, spacing, content, position, and colors.
- F. Overall panel size: 8 x 8 inches.
 - G. Panel colors: As selected by Architect.
 - H. Text or graphic colors: As selected by Architect.
 - I. Letter styles, colors, letter sizes and layout position: As selected by Architect. **Provide 14 signs.**
 - J. Installation Method: System SA, silicone adhesive

2.5 VINYL LETTERS

- A. Applied Vinyl: Die-cut characters from vinyl film of nominal thickness of 3 mils (0.076 mm) with pressure-sensitive adhesive backing, suitable for exterior applications.

PART 3 - EXECUTION

3.1 DELIVERY AND STORAGE

- A. Deliver and store identifying devices in protective wrappings until ready for installation. Install letters in protective wrappings and remove wrappings just prior to substantial completion.

3.2 INSTALLATION

- A. Install signs plumb, level and square and in proper planes with other work, at heights as indicated by Architect.
- B. Anchor each plastic laminate sign with adhesive.
- C. Install signs with sufficient amount of foam tape for proper installation.
- D. Attach as recommended by sign manufacturer.
- E. Anchor each sign with adhesive.
- F. Coordinate arrival and installation of graphic signs with hardware installation. Graphic signs function as and are coordinated with the hardware as shown on the Drawings.

3.3 COORDINATION

- A. Coordinate the installation of the identifying devices with the hardware manufacturer for lock set and knob leave outs as detailed and scheduled.

3.4 DAMAGE

- A. Any identifying device which is scratched or defaced will be rejected.

3.5 CLEANING

- A. Remove protective materials and clean all signs. Clean surfaces with plain water or water with soap or household detergent.

END OF SECTION

SECTION 10523

FIRE EXTINGUISHERS AND CABINETS

PART 1 GENERAL

1.1 SUMMARY

- A. Related Documents: General and Supplementary Conditions of the Contract, Division 1 - General Requirements, and Drawings are collectively applicable to this Section.
- B. Section Includes:
 - 1. Fire extinguishers.
 - 2. Fire extinguisher cabinets.
 - 3. Mounting hardware.

1.2 DEFINITIONS

- A. Where indicated on the Drawings the abbreviation "F.E.C." defines a fire extinguisher and cabinet and the abbreviation "F.E." is for fire extinguisher without cabinet.

1.3 SUBMITTALS

- A. General: Submit in accordance with Section 01330.
- B. Product Data: Include physical dimensions, operational features, color and finish, anchorage details, material descriptions and type of hardware.

1.4 OPERATION AND MAINTENANCE DATA

- A. Submit under provisions of Section 01780.
- B. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

1.5 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain products in this Section from one manufacturer.
- B. Certifications
 - 1. Provide extinguishers which are U.L. listed and bear the U.L. "Listing Work" for type, rating, and classification.
 - 2. Conform to NFPA-10 requirements for extinguishers.
 - 3. Provide units conforming with ANSI/UL 711 and ANSI/UL 92.

1.6 DELIVERY, STORAGE, AND HANDLING.

- A. Deliver, store and handle products in accordance with Section 01600.
- B. Store extinguishers in protected location until after final cleaning is completed.

1.7 PROJECT/SITE CONDITIONS

- A. Environmental Requirements: Do not store products subject to freeze damage in environments where damage could occur.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers: Subject to compliance with requirements indicated, provide products of one of the following:
 - 1. J. L. Industries.
 - 2. Larsens Manufacturing Co.
 - 3. Walter Kidde & Co.
- B. Substitutions: Submit under provisions of Section 01600.

- C. Larsen's used as a standard of quality in products below where model numbers or styles are indicated.

2.2 FIRE EXTINGUISHERS

- A. Multi-purpose dry chemical type U.L. 299, (ammonium phosphate), with pressure gauge
 - 1. Capacity: 10.0 lbs.
 - 2. U.L. Rating: 2A:10B:C
 - 3. Acceptable product: MP10

2.3 CABINETS

- A. Cabinet: Formed sheet steel, 20 gage, fully recessed type; size to accommodate accessories.
- B. Trim: Returned to wall surface.
- C. Door: 20 gage thick steel, reinforced for flatness and rigidity; lock with break glass access.
- D. Glass: 1/8 inch thick tempered glass.
- E. Mounting Hardware: Appropriate to cabinet.
- F. Graphic Identification: Applied decal.

2.4 FABRICATION

- A. Form body of cabinet with tight inside corners and seams.
- B. Predrill holes for anchorage.
- C. Form perimeter trim and door stiles by welding, filling, and grinding smooth.
- D. Hinge doors for 180 degree opening with continuous piano hinge. Provide nylon roller type catch.
- E. Glaze doors with resilient channel gasket glazing.

2.5 FINISHES

- A. Extinguisher: Red enamel.
- B. Cabinet Trim and Door: Baked enamel. Color as selected by Architect from manufacturer's full available range of standard and premium colors.
- C. Cabinet Interior: Baked enamel.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine conditions and proceed with Work in accordance with Section 01450.
- B. Verify rough openings for cabinets are correctly sized and located.
- C. Beginning of installation indicates acceptance of existing conditions.

3.2 INSTALLATION

- A. Install using skilled workmen in accordance with manufacturer's printed instructions.
- B. Install cabinets plumb and level in wall openings and locations shown on the Drawings. Install compliant with applicable accessibility requirements.
- C. Securely attach cabinets in place to framed rough opening.

3.3 IDENTIFICATION

- A. Identify fire extinguisher locations with the following methods
 - 1. Identify fire extinguisher locations without cabinets, use vertical decal spelling "FIRE EXTINGUISHER" applied to adjacent wall surface.

END OF SECTION

SECTION 10651

FOLDING PANEL PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Folding panel partitions.
 - 2. Pocket Doors.
 - 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, paired 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 fabric samples showing available colors.
- B. Closeout Submittals:
 - 1. Operation and Maintenance Data.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications:
 - 1. Minimum 3 years experience in work of this Section.
 - 2. Approved by partition manufacturer.
- B. Partition Sound Transmission Class: Minimum STC rating of 50, 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.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Contract documents are based on products by Moderco, Inc. , 700 series bifold panels.
- B. Substitutions: Under provisions of Division 01.

2.2 COMPONENTS

- A. Panels:
 - 1. Source: Model 742 by Moderco, Inc. or approved equal.
 - 2. Construction: Minimum 16 gage formed sheet steel frame top, bottom, jambs, and intermediates, welded construction. (50 STC / 8 lb. / sf)
 - 3. Thickness: 4 inches, maximum.
 - 4. Maximum panel width: 48 inches.
 - 5. Panel skin: 21 gauge welded steel skin construction
 - 6. Trim: Trimless.
 - 7. Hinges: Full leaf butt hinges.

8. Closure panels: Same construction as panels.
- B. Sound Seals:
 1. Vertical panel edges: Tongue and groove astragals with neoprene gaskets.
 2. Bottom: Drop seal, mechanically operated by lever in panel edge.
 3. Top: Continuous contact sweep type.
 4. End seal at pocket doors: Expandable panel w/ bulb seal.
 5. End seal at column: Bulb seal.
 6. Provide sound batting in airspace of suspension track per drawings.
- C. Suspension System:
 1. Continuous steel track supported by adjustable hanger rod assemblies, #45.
 2. Carriers: Nylon tire ball bearing wheels on trolley carrier at top of every second panel, sized to carry imposed loads, with threaded pendant bolt for vertical adjustment.
- D. Pocket doors:
 1. Continuous steel track supported by adjustable hanger rod assemblies.
 1. Pocket Doors: PA-2 by Moderco, Inc.
 2. Pocket Door configuration shall be manually operated:
 - a. Type II double door hinged to a jamb on each side and closing in the center.
 3. Panels shall be nominal 3-inch (76mm) thick in manufacturer's standard width. All panel horizontal and vertical framing members fabricated from minimum 18-gage formed steel with overlapped and welded corners for rigidity. Frame is designed so that full vertical edges of panels are of formed steel and provide concealed protection of the edges of panel skin.
 4. Panel skin shall be:
 - a. 1/2-inch (13mm) medium density fiberboard, single material or composite layers continuously bonded to panel frame.
 5. Panels hinges:
 - a. Full leaf butt hinges, attached directly to panel frame with welded hinge anchor plates within panel to further support hinge mounting to frame. Hinges mounted into panel edge or vertical astragal are not acceptable. Hinges to have 1 in extension to allow site applied finish materials as shown in drawings.
 6. Panel Trim: No vertical trim required or allowed on edges of panels; minimal groove appearance at panel joints.
 7. Pocket Door hanging weight shall not exceed 9 lbs./square foot
 8. Panel face finish shall be:
 - a. Uncovered for field finishing. Refer to specific details on drawings.
 9. Pocket Door jambs shall be continuous channels anchored to a fixed wall. Welded hinge anchor plates shall support pocket door hinges and permit a full 180-degree swing.

2.3 FINISHES

- A. Panel Facings: Fabric, color to be selected from manufacturer's full color range.
- B. Trim/Hinge color: 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.
- B. Demonstrate installed assembly meets required STC rating.

END OF SECTION

SECTION 10800

TOILET AND BATH ACCESSORIES

PART 1 GENERAL

1.1 SUMMARY

- A. Related Documents: General and Supplementary Conditions of the Contract, Division 1 - General Requirements, and Drawings are collectively applicable to this Section.
- B. Section Includes:
 - 1. Toilet accessories.
 - 2. Attachment hardware and related trim.

1.2 SUBMITTALS

- A. General: Submit in accordance with Section 01330.
- B. Product Data: Submit manufacturer's catalog cut sheets, data sheets, installation instructions, maintenance data, and operating instructions.

1.3 QUALITY ASSURANCE

- A. Regulatory Requirements
 - 1. Conform to ANSI A117.1, and the Texas Accessibility Standards, if more stringent requirement is applicable, for installing work for accessibility to the handicapped.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle products in accordance with Section 01600.
- B. Pack accessories individually with protective wrappings.

1.5 SEQUENCING AND SCHEDULING

- A. Coordinate work with placement of wall reinforcement and reinforcement of toilet partitions to receive anchor attachments. Supply rough-in data in sufficient time to be built into other work.
- B. Do not install accessories until room finishes are completed.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- 1. Acceptable Manufacturers:
 - a. Bobrick.
 - b. Bradley.
 - c. ASI.
- B. Product specified herein are those as manufactured by Bobrick Washroom Equipment as a standard of quality.

2.2 MATERIALS

- A. Sheet Steel: ASTM A 366, commercial quality.
- B. Zinc Coating: ASTM A 123.
- C. Chrome Plating: ASTM B 456, Type SC2.
- D. Stainless Steel Sheet: ASTM A 167.
- E. Stainless Steel Tubing: ASTM A 269, stainless steel.
- F. Adhesive: Contact type, waterproof.
- G. Fasteners, Screws, and Bolts: Hot dip galvanized ASTM A386 where concealed; finish to match device where exposed.
- H. Expansion Shields: Type as recommended by accessory manufacturer for component and substrate.

2.3 FABRICATION

- A. Weld and grind smooth joints of fabricated components.
- B. Form exposed surfaces from single sheet of stock, free of joints.
- C. Form surfaces flat without distortion. Maintain flat surfaces without scratches or dents.
- D. Back paint components where contact is made with building finishes to prevent electrolysis.
- E. Shop assemble components and package complete with anchors and fittings.
- F. Provide steel anchor plates, adapters, and anchor components for installation.

2.4 FACTORY FINISHING

- A. Galvanizing: ASTM A 123 to 1.25 oz/sq ft.
- B. Shop Primed Ferrous Metals: Pretreat and clean; spray apply one coat primer and bake.
- C. ChromelNickel Plating: ASTM B 456, Type SC 2 satin finish.
- D. Stainless Steel: No. 4 satin luster finish.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine conditions and proceed with Work in accordance with Section 01450.
- B. Verify that site conditions are ready to receive work and dimensions are as indicated on shop drawings and instructed by the manufacturer.
- C. Check openings for plumbness of blocking and frames.
- D. Beginning of installation means acceptance of existing conditions.

3.2 PREPARATION

- A. Deliver inserts and rough-in frames to site at appropriate time for building-in.
- B. Provide templates and rough-in measurements as required.
- C. Verify exact location of accessories for installation.
- D. Protect adjacent or adjoining finished surfaces and work from damage during installation.

3.3 INSTALLATION

- A. Install using skilled workmen in accordance with manufacturers' printed instructions.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Locate accessories in order that they do not interfere with door swings or use of fixtures. Install recessed accessories after wall finishes have been completed.
- D. Anchor accessories with bolts, plates, and approved type fasteners. Take down any loose items and repair damaged wall surfaces.
- E. Mount surface mounted accessories to backup material with toggle bolts, plumb and align.
- F. Anchor grab bars to drywall with concealed 16 gage steel anchor plates.

3.4 SCHEDULE

<u>NO.</u>	<u>DESCRIPTION</u>	<u>MANUFACTURER</u>	<u>MODEL NO.</u>
T-A.	Towel Dispenser and Waste Receptacle	Bobrick	B-3944
T-B.	Towel Dispenser and Waste Receptacle	Bobrick	B-3699
T-C.	Mirror	Bobrick	B-165 2436
T-D.	Mirror	Bobrick	B-165 2448
T-E.	Toilet Paper Dispenser	Bobrick	B-7686
T-F.	Grab Bar	Bobrick	B-6806
T-G.	Changing Table – Koala Kare	Bobrick	KB110-SSRE
T-H.	Paper Towel Dispenser	Bobrick	B-262

END OF SECTION

SECTION 10990

MISCELLANEOUS SPECIALTIES

PART 1 GENERAL

1.1 SUMMARY

- A. Related Sections: Provisions established in General and Supplementary Conditions of the Contract, Division 1 - General Requirements, and the Drawings are collectively applicable to this Section.
- B. Section Includes:
 - 1. Miscellaneous specialty items as listed herein.

1.2 SUBMITTALS

- A. General: Submit following items in accordance with Section 01330.
- B. Product Data: Including all pertinent performance characteristics and criteria.
- C. Manufacturer's Instructions: For installation, maintenance, and repair.

1.3 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store, handle, and protect products in accordance with Section 01600.

PART 2 PRODUCTS

2.1 PRODUCTS

- A. Fire Control Key Box: Provide recessed fire department key control box, equal to model 3200 by Knox Box, one at each building entrance.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces and conditions are ready to receive work of this Section.
- B. Notify Architect of any existing conditions which will adversely affect execution.
- C. Beginning of execution will constitute acceptance of existing conditions.

3.2 PREPARATION

- A. Prepare substrate surfaces as recommended by manufacturer.

3.3 INSTALLATION

- A. Install using skilled workmen in accordance with manufacturer's printed instructions and recommendations.
- B. Coordinate interface with ductwork for kiln installation.

3.4 ADJUSTING

- A. Adjust and fit items to be flush with adjacent construction.
- B. Fasten or adhere for tight connections and joints.

3.5 CLEANING

- A. Perform final cleaning in accordance with Section 01740.

3.6 PROTECTION

- A. Protect finished installation in accordance with Section 01500.

END OF SECTION