DIVISION 10

SPECIALTIES

SECTION 10 1400

SIGNAGE

PART 1 - GENERAL

1.1 SUBMITTALS:

A. Shop drawings: Submit for door signs. Indicate sizes, finishes and installation details.

B. Product data: Submit manufacturer's standard specifications and installation instructions.

1.2 DELIVERY, STORAGE AND HANDLING:

A. Deliver signs for interior installation only after building is enclosed and designated areas are ready to receive work.

B. Cover or otherwise protect finished surfaces from damage or stains for remainder of work.

1.3 QUALITY ASSURANCE:

A. Applicable standards:
1. Aluminum Association (AA), standards as referenced herein.
2. Americans with Disabilities Act (ADA).

PART 2 - PRODUCTS

2.1 INTERIOR SIGNAGE:

A. Door signs:
1. Acceptable manufacturers:
   a. Andco Industries Corp.
   b. Apco Graphics, Inc.
   c. ASI Sign Systems, Inc.
   d. Best Manufacturing Sign Systems.
   e. Vomar Products, Inc.
2. Provide signage as directed.
3. Sign base shall be permanently attached with concealed fasteners. Sign face shall be acrylic with decal letters and black frame, Futura or similar sans serif font as approved by Architect; face shall be attached to base with concealed magnetic strips or concealed mechanical fasteners. Signs shall be 8" by 8" face size for typical room sign, with contrasting background and text as selected by Architect from manufacturer's full color palette.
4. Braille: Braille shall be relieved 1/32" minimum from plaque first surface. Braille symbols shall comply with ADA requirements; translation shall be the responsibility of the sign manufacturer.
5. Graphics: Sign copy shall be relieved 1/32" minimum from plaque first surface. Graphics, letters and symbols shall comply with ADA requirements; types as selected by Architect.

PART 3 - EXECUTION

3.1 INSTALLATION:

A. Install signage using specified fasteners, level, plumb and true to line, in accord with manufacturer's product data, at locations shown or directed by Architect.

B. Mounting heights above finish floor: Comply with ADA requirements, 5'-6" to top of sign. Install on latch side of door, or as approved by Architect.

C. Just prior to Date of Substantial Completion, clean and polish surfaces. Remove stains and repair or replace damaged work.

End of Section

SECTION 10 2115

PLASTIC TOILET PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY:

A. Related work specified elsewhere: Toilet accessories.

1.2 SUBMITTALS:

A. Shop drawings: Indicate plans and elevations of partitions, construction and fabrication details, anchoring and leveling details, plastic manufacturer, thickness, colors and patterns, hardware accessories and fastenings. Include manufacturer's installation and maintenance instructions.

B. Samples:
1. Plastic: Submit samples of manufacturer's colors and patterns for Architect's approval.
2. Panel: Submit 1'-0" by 1'-0" sample of panel showing core construction with two sides and two edges, including one finished corner condition.
3. Hardware: Submit actual sample of each hardware item.

1.3 QUALITY ASSURANCE:

A. Applicable standards; standards of the following, as referenced herein:
1. American Iron and Steel Institute (AISI).
2. American National Standards Institute (ANSI), A117-1, 1986.

1.4 PROJECT/SITE CONDITIONS:

A. Install toilet partitions after plumbing fixtures and floor, wall and ceiling finishes have been installed.

PART 2 - PRODUCTS

2.1 SOLID POLYETHYLENE PLASTIC PARTITIONS:

A. Acceptable manufacturers; subject to compliance with specified requirements:
1. Basis of design: Comtec Industries, S203.
2. Capitol Partitions, Inc.
3. Global Products Corp.

B. Characteristics:
1. Material: Solid, high density polyethylene co-polymer with integral color throughout panel and self-lubricating matte-finished surface to resist adhesion of coating.
2. Edges: Exposed, beveled or rounded.
3. Minimum thickness: 1".
4. Color: Match color listed on Finish Schedule or as selected by Architect.
5. Fabrication: Factory cut and pre-drill for brackets, hardware and toilet accessory items.

2.2 HARDWARE AND FITTINGS:

A. General: Provide heavy-duty, vandal-resistant hardware for floor-mounted, overhead-braced partitions.

B. Overhead brace: Extruded satin finish anodized aluminum, tubular section, anti-grip design, through-bolted to pilaster.

C. Hinges: Chrome-plated, non-ferrous metal, polished finish. Surface-mounted pivot design with stainless steel pivot pins and nylon, self-oiling graphite-bronze or thrust-frictionless bearings for moving parts. Hinges shall be adjustable so as to return door by gravity to a preset position when not latched.

D. Wall brackets: Provide continuous wall brackets at panel-to-wall conditions. Brackets shall be chrome-plated, non-ferrous metal for attachment of panels to wall and panels to pilasters.

E. Pilaster base: Manufacturer's standard galvanized anchorage device for attachment of pilaster to supporting floor and for leveling of partition. Base consists of threaded rods, saddle, lock washers, leveling nuts and brass or lead expansion shields. Anchors shall penetrate floor at least 1-1/2".

F. Latch, bumper and keeper: Chrome-plated, non-ferrous metal, polished finish, with resilient cushion stop.

G. Door pull for out-swinging doors: Chrome-plated, non-ferrous metal, polished finish.

H. Combination bumper/coat hook for in-swinging doors: Chrome-plated, non-ferrous metal, polished finish with rubber bumper.

I. Coat hook for out-swinging doors: Chrome-plated, non-ferrous metal, polished finish. Mount to partition at 4'-6" above finished floor to meet handicapped accessibility requirements.

J. Wall bumper for out-swinging doors: Polished, chrome-plated, non-ferrous metal, with rubber bumper; wall-mounted.

K. Partition anchors:
   1. Non-corrosive, threaded sleeved anchors (sex-bolts) matching hardware finish, bolted through panels, vandal-resistant type.
   2. Provide stainless steel backing plate matching hardware finish where hardware is not of wraparound design.

PART 3 - EXECUTION

3.1 PREPARATION:

A. Confirm dimensions, clearances, wall construction and plumbing fixture locations prior to partition installation.

B. Install partitions after all finishes within area are complete and plumbing fixtures are installed.

3.2 INSTALLATION:

A. Install partitions straight, plumb and anchored rigid to structure, complying with manufacturer's product data and approved shop drawings.

B. Conceal evidence of cutting, drilling and fitting occurring on partitions, walls and floors.

C. Clearances:
1. Between panels and pilasters: 1/4" to 1/2".
2. Between doors and pilasters: 1/8" nominal.
3. Between panels and walls: 1/4" to 1/2".

D. Anchorage:
1. Attach pilaster to floor with two sleeve anchors. After leveling, tighten base fasteners and secure shoe in position against finished floor.
2. Secure overhead brace to walls using brackets attached with at least two sleeved anchors. Through-bolt brace to pilasters using two bolts per stile.
3. Attach panels and end pilasters to walls using a minimum of three brackets each, or continuous extruded aluminum bracket, anchored using through-bolts and sleeved anchors. Space individual brackets near top, bottom and center of panels.
4. Locate brackets so that holes for wall anchors occur in masonry or tile joints where possible.
5. Attach urinal screens using continuous extruded aluminum bracket.

3.3 ADJUSTMENT AND CLEANING:

A. Adjust doors to align with pilasters and overhead brace, operate freely without excessive force and stop 15 degrees from closed position when unlatched. Out-swinging handicapped partition doors shall return to closed position.

B. Clean partitions and hardware using methods approved by panel manufacturer.

C. Tighten anchors to ensure rigid installation.

End of Section

SECTION 10 2813

TOILET ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY:

A. Related work specified elsewhere: Toilet partitions.

1.2 SUBMITTALS:

A. Product data: Include catalog cuts and data sheets indicating size, material and finish, complete parts list and installation procedures for each accessory. Where manufacturer's standard products vary with design criteria, indicate compliance with design criteria.

B. Samples: Submit one actual sample of each accessory for approval if requested by Architect. Upon approval, samples will be returned for incorporation into project.

1.3 JOB CONDITIONS:

A. Protection: Maintain manufacturer's protective covering on accessories until final cleanup of installation.

B. Coordinate this work with work of other trades into which accessories are to be installed.

1.4 DESIGN CRITERIA:

A. In order to be acceptable, products shall comply with the following criteria:
1. All accessories shall be products of a single manufacturer.
2. Keying: Keyed accessories shall be keyed alike, unless otherwise specified.
3. Operation: Control and operating mechanisms shall be operable with one hand, without tight grasping, pinching, or twisting of wrist, and with a maximum force of 5 lbf.
4. Cabinet construction:
   a. Material: Entire cabinet shall be constructed of Type 302/304 stainless steel, minimum 22 ga., except that doors of flush face cabinets shall be minimum 18 ga.
   b. Finish: Satin finish, vertical grain stainless steel; matching in color and graining within the same cabinet.
   c. Unit construction: Seamless or welded; all welds ground smooth prior to finishing on exposed surfaces. Cabinets shall have full, continuous backs and sides. Flush face units shall be seamless construction.
   d. Hinges: Doors shall be hung on continuous stainless steel piano hinges.
   e. Stops: Doors shall have spring or cable stops located inside cabinet to limit opening to 120 degrees maximum.
   f. Bumpers: Doors shall have rubber bumpers to cushion door closing.
   g. Exposed edges: Hemmed, returned or flanged; sharp edges not allowable.

PART 2 - PRODUCTS

2.1 TOILET ACCESSORIES:

A. Acceptable toilet accessory manufacturers; subject to compliance with specified design criteria:
1. A & J Washroom Accessories.
2. American Specialties, Inc. (ASI).
3. Bobrick Washroom Equipment, Inc.
4. Bradley Washfountain Co.

B. Toilet tissue dispenser, double roll:
1. A & J #U806-LCD.
2. ASI #0264-1A.
3. Bobrick #B-2740.
4. Bradley #5241-50.

C. Surface-mounted hand dryer; 208 volt, satin stainless finish, automatic operation: Basis of design is ASI #0185-93. Products of other manufacturers, similar in type and quality, are acceptable for use subject to Architect's approval.

D. Grab bars; satin finish, concealed mounting with snap flange:
1. A & J #UG3-A.
2. ASI #3801.
3. Bobrick #B-6806 Series.

E. Diaper changing station: Horizontal design, mildew-resistant, molded polyethylene body, engineered to support a minimum of 250 lb static weight when opened, with built-in dispenser of sanitary liners.
1. ASI #9011.
2. Brocar Products, Inc., #100 Series.
3. Koala Corp., Baby Changing Station.
4. Safe-Strap Company, Inc., #4300 Series.

F. Mop and broom holder (3'-0" length):
1. A & J #UJ13B.
2. ASI #8215-4.
3. Bobrick #B-223 X 36.
4. Bradley #9954.

G. Soap dispenser: Owner furnished, Owner installed.

H. Surface-mounted feminine napkin disposal cabinet:
1. A & J #U582.
2. ASI #0473A-1.
3. Bobrick #B-254.
4. Bradley #4722-15.

I. Child protection seat: Mildew-resistant, molded polyethylene body, engineered to support a minimum of 50 lb static weight when opened, with built-in, over-the-shoulder safety straps. Basis of design is Koala Corp., Baby Changing Station. Products of other manufacturers, similar in type and quality, are acceptable for use subject to Architect's approval.

J. Pipe insulation; premoulded PVC insulating covers for drain and supply lines:
1. Brocar Products, Inc., Trap Wrap.
2. Truebro, Inc., Handi Lav-Guard.

PART 3 - EXECUTION

3.1 EXAMINATION:

A. Check opening scheduled to receive recessed or semi-recessed accessories for correct dimensions, depth, plumbness of blocking or frames, and preparation that would affect installation of accessories.

3.2 INSTALLATION:

A. Install accessories level, plumb and in indicated location. Installation methods shall be as indicated in product data for substrates encountered. Securely attach to blocking or framing members.

B. Mounting heights: As indicated on drawings.

C. Grab bars: Secure grab bars by direct attachment with 1/4" lag bolts to blocking installed between studs.

D. Conceal evidence of drilling, cutting and fitting to adjacent finishes.

3.3 ADJUSTING AND CLEANING:

A. Adjust operating parts of accessories for proper operation.

B. Clean and polish exposed surfaces prior to Date of Substantial Completion.

C. Deliver accessory schedule, keys and parts manual as part of project closeout documents.

End of Section

SECTION 10 4400

FIRE EXTINGUISHERS AND ACCESSORIES

PART 1 - GENERAL

1.1 SUBMITTALS:

A. Shop drawings: Indicate extinguisher location, size, mounting height and method of installation.

B. Product data: Indicate material types, finishes, ratings, hardware, sizes, fabrication and installation details.

1.2 QUALITY ASSURANCE:

A. Applicable standards; standards of the following as referenced herein:
1. ASTM International (ASTM).
2. Americans with Disabilities Act (ADA).
3. Factory Mutual (FM).
4. Underwriters Laboratories, Inc. (UL).
5. Warnock Hersey, (WH).

1.3 DELIVERY, STORAGE AND HANDLING:

A. Deliver and store in protective packaging to prevent soiling and physical damage.

B. Handle to prevent damage to finished surfaces and operating mechanisms.

1.4 JOB CONDITIONS:

A. Protection: Protect prefinished surfaces from damage or staining. Provide protective covering following installation for duration of project.

1.5 INSPECTION SERVICE:

A. Extinguishers shall have an inspection certification tag attached, indicating date of charge and service agent's name and address. Charge date shall not be earlier than sixty days prior to Date of Substantial Completion. Service agent shall be located within 50 miles of project.

PART 2 - PRODUCTS

2.1 PORTABLE FIRE EXTINGUISHERS:

A. Acceptable manufacturers:
1. J. L. Industries, Inc.
2. Larsen Mfg. Co.
3. Potter-Roemer Div./Smith Industries, Inc.

B. Characteristics; dry chemical extinguishers:
1. Type: ABC multi-purpose dry chemical meeting UL Standard 299 for Class A, B and C fires.
2. Container: Enameled steel.

3. Label: UL and FM.
4. Accessories: Pressure gauge, hose and nozzle.
5. Operation: Pull-pin and squeeze grip for multiple controlled release.
6. Capacity rating and nominal size: 10 lbs.; 4A:60B:C; 5" diameter by 1'-9" height.

2.2 FIRE EXTINGUISHER BRACKETS:

A. Description: Manufacturer's standard wall bracket designed to support extinguisher securely in vertical position on wall.

PART 3 - EXECUTION

3.1 EXTINGUISHER INSTALLATION:

A. Install extinguishers at Date of Substantial Completion, indicating acceptable charge pressure and tagged to show charge date and service agent.

B. Install wall-hung extinguishers on wall mounting bracket. Secure bracket to wall structure with not less than two anchors. Mount extinguishers with top of extinguisher 4'-0" above finished floor level.

C. Install and secure extinguishers in plumb, vertical position with name and operating instructions visible on front of extinguisher.

3.2 CLEANING AND PROTECTION:

A. Protect installed equipment and finished surfaces from damage or defacement. Replace items which cannot be repaired to satisfaction of Architect.

B. Prior to Date of Substantial Completion, clean and polish all surfaces, including cabinet interiors.

3.3 EXTINGUISHER SCHEDULE:

A. Provide one 10 lb. extinguisher, wall bracket mounted, in each mechanical, electrical, telephone and equipment room and in locations as indicated.

End of Section