

## SECTION 10 13 00

### DIRECTORIES

#### PART 1 GENERAL

##### 1.01 SUBMITTALS

- A. Product Data:
  - 1. Provisions established within the General and Supplementary Conditions of the Contract, Division 1 - General Requirements and the Drawings are collectively applicable to this Section.
    - a. Include material details for each sign specified; interior, aluminum frame, hinged cover, rear illuminated, or building directory.
- B. Shop Drawings:
  - 1. Submit shop drawings showing layout, profiles, and product components, including dimensions, anchorage, all details, elevations, plans and sections required to indicate all conditions.
- C. Samples:
  - 1. Submit supplier's standard color chart for selection purposes and selected colors for verification purposes.
- D. QUALITY ASSURANCE
- E. Supplier: Obtain all products in this section from a single supplier.
- F. Regulatory Requirements: Products shall meet requirements of the Americans with Disabilities Act Accessibility Guidelines (ADAAG) and local amendments and modifications.
- G. Installer: Installer specialized and experienced in work similar to that required for this project shall perform Installation.

#### PART 2 PRODUCTS

##### 2.01 ACCEPTABLE MANUFACTURERS

- A. Specifications are based on the Tablet & Ticket 800 Series Directory manufactured in Chicago, IL 800.438.4959. Manufacturers listed whose products meet or exceed the specifications approved for use on the project. Other manufacturers must have a minimum of five years experience manufacturing products meeting or exceeding the specifications and comply with Division 1 requirements regarding substitutions to be considered.
- B. Approved Alternate Manufacturers:
  - 1. Marsh Industries, 2301 E. High Avenue, PO Box 1000, New Philadelphia, Ohio 44663-5100, 330-308-8665, [www.marsh-ind.com](http://www.marsh-ind.com): Enclosed message board with header.
  - 2. Substitutions: Section 01 60 00 - Product Requirements.

##### 2.02 SIGN MATERIALS AND COMPONENTS

- A. Materials and Components
  - 1. Aluminum Extrusions: Meeting ASTM B221, alloy 6063-T5.
  - 2. Aluminum Panels: Meeting ASTM B209, alloy EN 5052 H12, minimum 0.05" (1.25mm) thick.

##### 2.03 FABRICATION

- A. General:
  - 1. Comply with requirements indicated for materials, thickness, finishes, colors, designs, shapes, sizes, and details of construction.

2. Welded Connections: Comply with AWS standards for recommended practices in shop welding. Provide welds behind finished surfaces without distortion or discoloration of exposed side. Clean exposed welded surfaces of welding flux and dress on exposed and contact surfaces.
  3. Mill joints to a tight, hairline fit.
  4. Pre-assemble signs in the shop. No visible fasteners.
  5. Form panels to required size and shape. Comply with requirements indicated for design, dimensions, finish, color, and details of construction.
  6. Coordinate dimensions and attachment methods to produce message panels with closely fitting joints. Align edges and surfaces with one another in the relationship indicated.
  7. Increase metal thickness or reinforce with concealed stiffeners or backing materials as required to produce surfaces without distortion, buckles, warp, or other surface deformations.
- B. Case Finish:
1. Aluminum with anodized finish: Dark Bronze.
- C. Directory Construction:
1. Door Frame: aluminum extrusion, mitered and assembled with concealed corner angles, capturing double strength glazing.
  2. Casing: Aluminum angle mitered and assembled with concealed corner angles, capturing aluminum back sheet.
  3. Unit Depth:
    - a. a. 2" non illuminated
  4. Hinging: continuous piano hinge on side.
  5. Locking: Key lock, installed on right side of hinged door.
- D. Backgrounds:
1. Changeable letter board
- E. Mounting Options:
1. Surface Mounting: Surface mount directory flush to wall through back plate.
- F. Heights:        Surface mounted height: 76" overall.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Site Verification of Conditions: Verify installation conditions previously established under other sections are acceptable for product installation in accordance with manufacturer's instructions.
- B. Scheduling of installation by Owner or its representative implies that substrate and conditions are prepared and ready for product installation. Proceeding with installation implies installer's acceptance of substrate and conditions.

#### **3.02 INSTALLATION**

- A. Install product in accordance with supplier's instructions.
- B. Install product in locations indicated using mounting methods recommended by sign manufacturer and free from distortion, warp, or defect adversely affecting appearance.
- C. Install product level, plumb, and at heights indicated.
- D. Install product at heights to conform to Americans with Disabilities Act Accessibility Guidelines (ADAAG) and applicable local amendments and regulations.
- E. Install directories within 1/4 inch vertically and horizontally of intended location and in accordance with manufacturer's recommendations.

**END OF SECTION**

## SECTION 10 14 00

### SIGNAGE

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Cash allowance for signs.
- B. Room and door signs.
- C. Emergency evacuation maps.

##### 1.02 PRICE AND PAYMENT PROCEDURES

- A. See Section 01 21 00 - Allowances, for cash allowances affecting this section.
- B. Room and door signs are not covered by the allowance.
- C. Allowance amount covers purchase, delivery, and installation.

##### 1.03 REFERENCE STANDARDS

- A. ANSI/ICC A117.1 - American National Standard for Accessible and Usable Buildings and Facilities; International Code Council; 2003.
- B. ATBCB ADAAG - Americans with Disabilities Act Accessibility Guidelines; 2002.

##### 1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's printed product literature for each type of sign, indicating sign styles, font, foreground and background colors, locations, overall dimensions of each sign.
- C. Signage Schedule: Provide information sufficient to completely define each sign for fabrication, including room number, room name, other text to be applied, sign and letter sizes, fonts, and colors.
  - 1. When room numbers to appear on signs differ from those on the drawings, include the drawing room number on schedule.
  - 2. When content of signs is indicated to be determined later, request such information from Owner through Architect at least 2 months prior to start of fabrication; upon request, submit preliminary schedule.
  - 3. Submit for approval by Owner through Architect prior to fabrication.
- D. Samples: Submit two samples of each type of sign, of size similar to that required for project, illustrating sign style, font, and method of attachment.
- E. Selection Samples: Where colors are not specified, submit two sets of color selection charts or chips.
- F. Verification Samples: Submit samples showing colors specified.
- G. Manufacturer's Installation Instructions: Include installation templates and attachment devices.

##### 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Package signs as required to prevent damage before installation.
- B. Package room and door signs in sequential order of installation, labeled by floor or building.
- C. Store tape adhesive at normal room temperature.

## 1.06 FIELD CONDITIONS

- A. Do not install tape adhesive when ambient temperature is lower than recommended by manufacturer.
- B. Maintain this minimum temperature during and after installation of signs.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

- A. Flat Signs:
  - 1. Best Sign Systems, Inc: [www.bestsigns.com](http://www.bestsigns.com).
  - 2. Mohawk Sign Systems, Inc: [www.mohawksign.com](http://www.mohawksign.com).
  - 3. Seton Identification Products: [www.seton.com/aec](http://www.seton.com/aec).
  - 4. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Other Signs:

### 2.02 SIGNAGE APPLICATIONS

- A. Accessibility Compliance: All signs are required to comply with ADAAG and ANSI/ICC A 117.1 and applicable building codes, unless otherwise indicated; in the event of conflicting requirements, comply with the most comprehensive and specific requirements.
- B. All Signage Types: Unless otherwise indicated:
  - 1. Character Font: Helvetica, Arial, or other sans serif font.
  - 2. Character Case: Upper case only.
  - 3. Background Color: Clear.
  - 4. Character Color: Contrasting color.
- C. Room and Door Signs: Provide a sign for every doorway, whether it has a door or not, not including corridors, lobbies, and similar open areas.
  - 1. Sign Type: Flat signs with engraved panel media as specified.
  - 2. Provide "tactile" signage, with letters raised minimum 1/32 inch and Grade II braille.
  - 3. Use engraved panel signs as specified.
  - 4. Character Height: 1 inch.
  - 5. Sign Height: 2 inches, unless otherwise indicated.
  - 6. Office Doors: Identify with room numbers to be determined later, not the numbers shown on the drawings; in addition, provide "window" section for replaceable occupant name.
  - 7. Conference and Meeting Rooms: Identify with room numbers to be determined later, not the numbers shown on the drawings; in addition, provide "window" section with sliding "In Use/Vacant" indicator.
  - 8. Service Rooms: Identify with room names and numbers to be determined later, not those shown on the drawings.
  - 9. Rest Rooms: Identify with pictograms, the names "MEN" and "WOMEN", room numbers to be determined later, and braille.
- D. Emergency Evacuation Maps:
  - 1. Map content to be provided by Owner.

### 2.03 SIGN TYPES

- A. Flat Signs: Signage media without frame.
  - 1. Edges: Square.
  - 2. Corners: Square.
  - 3. Wall Mounting of One-Sided Signs: Tape adhesive.
- B. Color and Font: Unless otherwise indicated:
  - 1. Character Font: Helvetica, Arial, or other sans serif font.

2. Character Case: Upper case only.
3. Background Color: Clear.
4. Character Color: Contrasting color.

#### **2.04 TACTILE SIGNAGE MEDIA**

- A. Applied Character Panels: Acrylic plastic base, with applied acrylic plastic letters and braille.
  1. Total Thickness: 1/8 inch.
  2. Sign Edges: Square.
  3. Letter Thickness: 1/8 inch.
  4. Letter Edges: Square.
  5. Panel Corners: Square.
  6. Mounting: Tape adhesive.

#### **2.05 ACCESSORIES**

- A. Tape Adhesive: Double sided tape, permanent adhesive.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify that substrate surfaces are ready to receive work.

#### **3.02 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Install neatly, with horizontal edges level.
- C. Locate signs where indicated:
  1. Room and Door Signs: Locate on wall at latch side of door with centerline of sign at 60 inches above finished floor.
  2. If no location is indicated obtain Owner's instructions.
- D. Protect from damage until Substantial Completion; repair or replace damage items.

**END OF SECTION**

## SECTION 10 21 13.13

### METAL TOILET COMPARTMENTS

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Metal toilet compartments.
- B. Urinal screens.

##### 1.02 RELATED REQUIREMENTS

- A. Section 06 11 00 - Rough Carpentry: Blocking and supports.

##### 1.03 REFERENCE STANDARDS

- A. ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2007.

##### 1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall supports, door swings.

##### 1.05 PROJECT CONDITIONS

- A. Coordinate the work with placement of support framing and anchors in wall.

#### PART 2 PRODUCTS

##### 2.01 MANUFACTURERS

- A. Metal Toilet Compartments:
  - 1. General Partitions Mfg. Corp: [www.generalpartitions.com](http://www.generalpartitions.com).
  - 2. Global Steel Products Corp: [www.globalpartitions.com](http://www.globalpartitions.com).
  - 3. Sanymetal, A Crane Plumbing Company: [www.sanymetal.com](http://www.sanymetal.com).
  - 4. Hadrian, Inc.: <http://www.hadrian-inc.com/>.
  - 5. Substitutions: Section 01 60 00 - Product Requirements.

##### 2.02 MATERIALS

- A. Steel Sheet: Hot-dipped galvanized steel sheet, ASTM A 653/A 653M, with G90/Z275 coating.

##### 2.03 COMPONENTS

- A. Toilet Compartments: Powder coated steel, floor-mounted unbraced.
- B. Doors, Panels, and Pilasters: Sheet steel faces, pressure bonded to sound deadening core, formed and closed edges; corners made with corner clips or mitered, welded, and ground smooth.
  - 1. Panel Faces: 20 gage.
  - 2. Pilaster Faces: 20 gage.
  - 3. Reinforcement: 12 gage.
  - 4. Internal Reinforcement: Provide in areas of attached hardware and fittings. Mark locations of reinforcement for partition mounted washroom accessories.
- C. Door and Panel Dimensions:
  - 1. Thickness: 1 inch.
  - 2. Door Width: 24 inch.

- 3. Door Width for Handicapped Use: 36 inch, out-swinging.
- 4. Height: 58 inch.
- D. Pilasters: 1-1/4 inch thick, of sizes required to suit compartment width and spacing.
- E. Urinal Screens: Wall mounted with two panel brackets, and floor-to-ceiling vertical upright consisting of pilaster anchored to floor and ceiling.

#### **2.04 ACCESSORIES**

- A. Pilaster Shoes: Formed chromed steel with polished finish, 3 inch high, concealing floor fastenings.
- B. Brackets: Polished chrome-plated non-ferrous cast metal.
- C. Attachments, Screws, and Bolts: Stainless steel, tamper proof type.
  - 1. For attaching panels and pilasters to brackets: Through-bolts and nuts; tamper proof.
- D. Hardware: Polished chrome plated non-ferrous cast metal:
  - 1. Pivot hinges, gravity type, adjustable for door close positioning; two per door.
  - 2. Thumb turn or sliding door latch with exterior emergency access feature.
  - 3. Door strike and keeper with rubber bumper; mounted on pilaster in alignment with door latch.
  - 4. Coat hook with rubber bumper; one per compartment, mounted on door.
  - 5. Provide door pull for outswinging doors.

#### **2.05 FINISHING**

- A. Powder Coated Steel Compartments: Clean, degrease, and neutralize. Follow immediately with a phosphatizing treatment, prime coat and two finish coats powder coat enamel.
- B. Color: Selected from manufacturer's standard colors.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify existing conditions before starting work.
- B. Verify that field measurements are as indicated.
- C. Verify correct spacing of and between plumbing fixtures.
- D. Verify correct location of built-in framing, anchorage, and bracing.

#### **3.02 INSTALLATION**

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 to 1/2 inch space between wall and panels and between wall and end pilasters.
- C. Attach panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.
- E. Field touch-up of scratches or damaged enamel finish will not be permitted. Replace damaged or scratched materials with new materials.
- F. Provide required blocking, coordinate in field with carpenters.

#### **3.03 TOLERANCES**

- A. Maximum Variation From True Position: 1/4 inch.

#### **3.04 ADJUSTING**

- A. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch.
- B. Adjust hinges to position doors in partial opening position when unlatched. Return out swinging doors to closed position.
- C. Adjust adjacent components for consistency of line or plane.

**END OF SECTION**