SECTION 10430

EXTERIOR SIGNAGE

PART 1 - GENERAL

1.01 DESCRIPTION

A. This Section describes the requirements for furnishing and installing the following exterior signs:

1. Accessibility entrance and directional signs.
2. Accessibility parking symbols and signs.
3. Unauthorized vehicle signs.
4. Vehicle directional post and panel signs.
5. Low emission or van pool vehicle parking signs.
6. Staff entrance parking signs.
7. Prefinished metal letters.
8. Dedication plaque.
9. Other exterior signage indicated on the Drawings.

B. Related Sections:

1. Interior signage is specified in Section 10440.

1.02 SUBMITTALS

A. Product Data: Manufacturer's construction details relative to materials, dimensions of individual components, profiles, and finishes for each type of sign required.

B. Shop Drawings: Furnish shop drawings for fabrication and erection of signs. Include plans, elevations, and large-scale sections of typical members and other components. Show anchors, grounds, reinforcement, accessories, layout, and installation details.

1. For signs supported by or anchored to permanent construction, furnish setting drawings, templates, and directions for installation of anchor bolts and other anchors.
2. Furnish full-size spacing templates for individually mounted dimensional letters and numbers.
3. Provide sign list for room signs for owner review of final text.

C. Samples: Furnish samples of each exposed material showing finish, color, and qualities of fabrication and design. Include sample of each type and size of animal figures.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Acrylic Sheet: Transparent, clear, semi-matte or non-glare, thickness specified.

B. Aluminum Sheet: Alloy and temper recommended by the aluminum producer or finisher for the type of use and finish indicated and specified.

C. Cast Aluminum: As recommended by the aluminum producer or finisher for the type of use and finish indicated and specified.

D. Stainless Steel Plate, Sheet, and Strip: Provide stainless steel plate, sheet, or strip, AISI Type 302, complying with ASTM A167.

E. Fasteners: Use concealed fasteners fabricated from metals that are not corrosive to the sign material and mounting surface.

F. Colored Coatings for Acrylic Plastic Sheet: Use colored coatings, including inks and paints for copy and background colors that are recommended by acrylic manufacturer for optimum adherence to acrylic surface and are non-fading for the application intended.

2.02 SIGN SUMMARY

A. Entrance Signs:

1. All building entrances that are accessible to and useable by physically handicapped persons shall be identified with a 6 x 6 standard accessibility symbol sign with Braille and with additional directional signs as required, to be visible to persons along approaching pedestrian ways.

2. Comply with CBC Section 1117B.5.8.1.2.

B. Parking Stall Accessibility Symbols and Signs:

1. Each parking space reserved for the handicapped shall have a surface identification outlining a profile view of a wheelchair with occupant in white on blue background, 36-inches high x 36-inches wide.

a. Comply with CBC Section 1129B.4.

2. Provide a reflectorized sign permanently posted immediately adjacent to and visible from each parking stall or space reserved for the handicapped, consisting of a profile view of a wheelchair with occupant in white on blue background. Size shall be minimum 70-square inches, mounted not more than 80-inches from the bottom of the sign to the parking space grade.

a. Spaces complying with van accessible requirements shall have shall an additional sign stating "Van-Accessible" mounted below the symbol of accessibility.

b. Comply with requirements specified in CBC Section 1129B.3 and Section 1129B.4.

C. Unauthorized Vehicle Sign:

1. Post the following sign in a conspicuous place at each entrance to the off-street parking area, not less than 17-inches x 22-inches in size with lettering not less than 1-inch in height, which clearly states: "Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or license plates issued for persons with disabilities may be towed away at Owner's expense. Towed vehicles may be reclaimed at _____ or by telephoning _____ .

2. Blank spaces shall be filled in with appropriate information as directed by the Owner.

3. Comply with requirements specified in CBC Section 1129B.4.

D. Vehicle Directional Post and Panel Signs: Provide as indicated.

E. Dimensional Letters:

1. Letters on Building and Monument Sign: Prefinished metal, size and configuration as indicated on drawings, ½-inch thick, projected mounting, letter font to be Palatino.

2. Size: ½" thickness Height as indicated on drawings.

3. Font: Palatino

4. Mounting: Projected ½" spacer mounted.

5. Colors: Custom colors to match color samples furnished by the Architect.

F. Dedication Plaque

1. Cast from aluminum association alloy designation C443.2.

2. Castings shall be free from pits, scale, sand holes, or other defects. Comply with requirements specified for metal, border style, background texture, and finish and with requirements shown for thickness, size, shape, and copy. Hand-tool and buff borders and raised copy to produce manufacturer's standard satin polished finish.

a. Metal: Aluminum

b. Border Style: Raised flat band

c. Background Texture: Manufacturer's standard stipple finish.

d. Background Finish: Manufacturer's standard baked-enable finish.

e. Raised Copy: 3/8" min.

f. Thickness: ¼" min.

g. Edge Style: Square

h. Mounting: Blind Mount

i. Size: 20" x 20"

PART 3 - EXECUTION

3.01 INSTALLATION

A. Locate where indicated and as required by applicable codes and secure with specified fasteners.

B. Dimensional Metal Letters: Mount letters using standard fastening methods recommended by manufacturer. Provide template to establish letter spacing and to locate holes for fasteners.

1. Mount letters with backs projected from the wall surface.

C. Install level, plumb and at height indicated or required, with surfaces free from distortion or other appearance defects.

D. Where signs are adhesively applied to glass, provide aluminum plate with clear anodized finish adhesively applied on opposite side of glass. Plate size to match applied sign.

3.02 CLEANING AND PROTECTION

A. At completion of installation, clean soiled surfaces in accordance with manufacturer's instructions. Protect units from damage until final acceptance.

END OF SECTION

SECTION 10440

INTERIOR SIGNAGE

PART 1 - GENERAL

1.01 DESCRIPTION

A. This Section describes the requirements for furnishing and installing the following interior signs:

1. Toilet room entry signage.
2. Room occupancy signage
3. Room signage.
4. Individual letters
5. Animal figurines.
6. Exit route signage.

B. Related Sections:

1. Exterior signage is specified in Section 10430.

1.02 SUBMITTALS

A. Product Data: Manufacturer's construction details relative to materials, dimensions of individual components, profiles, and finishes for each type of sign required.

B. Shop Drawings: Furnish shop drawings for fabrication and erection of signs. Include plans, elevations, and large-scale sections of typical members and other components. Show anchors, grounds, reinforcement, accessories, layout, and installation details.

1. Furnish message list for each sign required, including large scale details of wording and layout of lettering.
2. For signs supported by or anchored to permanent construction, furnish setting drawings, templates, and directions for installation of anchor bolts and other anchors.

C. Samples: Furnish samples of each exposed material, including letters and other graphics, showing finish, color, and qualities of fabrication and design.

D. Location schedule for each sign.

1.03 QUALITY ASSURANCE

A. Comply with CBC Section 1117B.5.

PART 2 - PRODUCTS

2.01 APPROVED MANUFACTURERS

A. Mohawk Sign Systems, Vomar or approved equal.

2.02 MATERIALS

A. Signs shall be sign manufacturer's standard three piece photopolymer sign face with tactile Braille and letters or acrylic sign face with applied tactile lettering and Braille, at manufacturer's option, and shall be interior rated. Plastic signage shall have a recycled content of 100-percent recycled plastic.

B. Sign materials and fabrication shall comply with applicable CBC and ADA signage requirements.

C. Sign Finish: Eggshell, matte, or non-glare as selected by the Architect.

D. Copy: 5/8-inch minimum, 2-inch maximum as recommended by sign manufacturer for required copy, raised minimum 1/32-inch.

E. Letters and Animal Logos: Stainless steel, AISI Type 302, complying with ASTM A167, letter font to be selected by the Architect.

F. Braille: Grade 2, integral with sign.

G. Mounting: Vinyl foam tape, silicone or mechanical fasteners as indicated.

2.03 SIGN SUMMARY

A. Toilet Room Entry Signage:

1. Provide geometric acrylic plastic symbols as follows. Colors as selected by the Architect.

a. Men: 12-inch equilateral triangle with international symbol for men.

b. Women: 12-inch diameter circle with international symbol for women.

c. Unisex: 12-inch diameter circle with 12-inch equilateral triangle.

d. Comply with CBC Section 1115B.6 and ADA Article 4.30.

2. Provide sign with raised letters and Braille on the wall adjacent to the latch outside the door. Where there is no wall space on the latch side and at double leaf doors, provide sign on nearest adjacent wall. Comply with CBC Section 1117B.5.1.1. These signs shall match room identification signs.

3. Center geometric symbols on door and signs on wall at a height of 60-inches above finished floor.

B. Occupancy Signs:

1. Type: Two part sign; 1/8-inch thick engraved plastic on top of ¼-inch thick plastic backing with beveled edge to match room signs.

2. Colors: As selected by the Architect from manufacturer's full range of colors.

3. Size: 6" x 6" or as indicated on drawings.

4. Text: To be selected by the Architect.

C. Room Identification Signs:

1. Approved Manufacturer: Mohawk Series 200A with sign design M203-6 PMR frame or approved equal.

2. Size and Type: 6-inch, 1/8-inch thick melamine with contrasting color core. Colors to be selected by the Architect. Raised letters from Univers 67, size 5/8-inch with Grade 2 Braille below copy, copy position centered.

3. Text: To be provided by the Owner.

4. Provide at every door to a permanent space, including toilet rooms, mechanical rooms, janitor closets, etc.

5. Where signs are applied on glass, provide anodized aluminum backing plate.

6. Comply with CBC Section 1117B.5.1.1.

D. Individual Letters:

1. Form individual letters and numbers from cast brushed aluminum; Gemini or approved equal.

2. Provide characters with smooth, flat surfaces, sharp corners, and precisely formed lines and profiles, free from pits, scale, sand holes, or other defects. Cast lugs into back and/or bottom of characters and tap to receive threaded mounting studs.

3. Finish: Clear anodized.

4. Text and Size: 4-inches high, 1/4-inch thick.

5. Letter Style: Palatino

6. Installation: Concealed mounting to wood or gypsum board substrate.

E. Animal Figurines

1. Provide painted or stainless steel animal figures from laser cut 1/8" metal or ¼" plastic as indicated.

F. Exit Route Signage:

1. Type: Exit Route colored reproductions to be sandwiched between 1/8" thick plastic laminated on top of 1/4" backing plastic with beveled edges to match room sign.

2. Colors: As selected by the Architect from manufacturer's standards.

3. Size: Approximate 15-inches x 10-inches.

4. Artwork: To be furnished by the Architect or Owner for reproduction by sign manufacturer.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Locate where indicated and as required by applicable codes and secure with specified fasteners.

B. Install level, plumb and at height indicated or required, with surfaces free from distortion or other appearance defects.

C. Where signs are adhesively applied, adhesive shall be spread over full contact area.

D. Where signs are adhesively applied to glass, provide aluminum plate with clear anodized finish adhesively applied on opposite side of glass. Plate size to match applied sign.

3.02 CLEANING AND PROTECTION

A. At completion of installation, clean soiled surfaces in accordance with manufacturer's instructions. Protect units from damage until final acceptance.

END OF SECTION