1. **GENERAL**
   1. **SECTION INCLUDES**
      1. Plastic signs at restrooms.
   2. **REFERENCES**
      1. California Accessibility Statutes(CAS), and California Accessibility Regulations(CAR), Books 1 and 2, latest/current California Code of Regulations and latest/current California Building Code.
      2. ASTM D4802 - Poly (Methyl Methacrylate) Acrylic Plastic Sheet.
   3. **SUBMITTALS**
      1. Submit shop drawings listing sign styles, lettering and locations and overall dimensions of each plastic sign.
      2. Submit two samples illustrating full size sample sign, of type, style and color specified including method of attachment. If accepted, samples may be installed in project.
   4. **DELIVERY, STORAGE AND HANDLING**
      1. Deliver products to site and protect from damage. Store until immediately prior to installation.
   5. **PRE-INSTALLATION CONFERENCE**
      1. Notify Architect when signs are ready for installation. Arrange for conference at the site. Do not proceed with installation until Architect's approval of specific locations and methods of attachment has been obtained.
   6. **REGULATORY REQUIREMENTS**
      1. Conform to CAR/CAS for accessibility provisions.
      2. CAS/CAR SIGNAGE REQUIREMENTS:
         1. Letters and numbers shall have a width-to-height ratio of between 3 to 5 and 1 to 1 and a stroke width-to-height of between 1 to 5 and 1 to 10.
         2. Characters and symbols shall contrast in color or image with light letters on dark background, and shall be raised minimum 1/32 inch.
         3. Letters and numbers on permanent room identification signs shall be raised minimum 1/32 inch, without serif.
         4. Upper case letters shall be accompanied by grade 2 BRAILLE tactile identification. Dots shall be 1/10 inch (2.54 mm) on centers in each cell with 2/10 inch (5.08 mm) space between cells. Dots shall be raised a minimum of 1/40 inch (0.635 mm) above the background.
         5. Minimum height for raised characters or symbols: Minimum Height: 5/8 inch. Maximum Height: 2 inches. Recessed characters or Symbols: 1/4 inch minimum stroke width.
         6. Pictographs shall be accompanied by equivalent verbal description directly below.
         7. Room identification signs shall be located on wall adjacent to latch side of door or nearest adjacent wall, minimum 4 inches and maximum 12 inches from edge of door, centered 60 inches above floor. Mounting location shall be determined so that a person may approach within 3 inches of signage without encountering protruding objects or standing within the swing of a door.
         8. Conform to all other CAS/CAR requirements including finishes and contrasts.
2. **PRODUCTS**
   1. **RESTROOM SIGNAGE**
      1. Material: Acrylic Plastic Sheet: ASTM D4802
      2. Male Restroom Signage:
         1. Doorways leading to male restrooms shall be identified by an equilateral triangle 1/4 inch thick with edges 12 inches long, with vertex pointing upward, upon which appears a male pictograph in contrasting color with the word "MEN" immediately below. Sign shall be mounted in center of door, 60 inches from finish floor to center of sign.
         2. The room shall be further identified by a rectangular room identification sign. Made up of two 1/8 inch thick pieces of acrylic plastic to form one 1/4 inch thick piece. Upper Layer made of non-glare clear acrylic. Lower Layer made up of opaque acrylic. Not less than 4” high by 6” wide upon which appears the word "MEN" in contrasting color, 1 inch high, minimum 1/32 inch thick, fully tactile, accompanied by a braille indicator immediately below, on the same sign. Sign shall be located on the wall on the latch side of door, 60 inches from finish floor to center of sign, minimum 4 inches and maximum 12 inches from edge of door or on nearest adjacent wall.
         3. International symbol of accessibility shall appear above the room identification sign. Sign shall be 1/4 inch thick, 6 x 6 inches in size upon which appears the international symbol of accessibility, 4-1/2 inches high, minimum 1/32 inch thick, fully tactile, in contrasting color.
      3. Female Restroom Signage:
         1. Doorways leading to female restrooms shall be identified by a circle 1/4 inch thick 12 inches in diameter upon which appears a female pictograph in contrasting color with the word "WOMEN" immediately below. Sign shall be mounted in center of door, 60 inches from finish floor to center of sign.
         2. The room shall be further identified by a rectangular room identification sign. Made up of two 1/8 inch thick pieces of acrylic plastic to form one 1/4 inch thick piece. Upper Layer made of non-glare clear acrylic. Lower Layer made up of opaque acrylic. The sign is 4 inches high and the appropriate width, upon which appears the word "WOMEN" in contrasting color, 1 inch high, minimum 1/32 inches thick, fully tactile, accompanied by a braille indicator immediately below, on the same sign. Sign shall be located on the latch side of door, 60 inches from finish floor to center of sign; minimum 4 inches and maximum 12 inches from edge of door or on nearest adjacent wall.
         3. International symbol of accessibility shall appear above the room identification sign. Sign shall be 1/4 inch thick, 6 x 6 inches in size upon which appears the international symbol of accessibility, 4-1/2 inches high, minimum 1/32 inch thick, fully tactile, in contrasting color.
      4. Unisex Restroom Signage:
         1. Doorways leading to unisex restrooms shall be identified by a circle 1/4 inch thick, 12 inches in diameter with a 1/4 inch thick triangle superimposed on the circle and within the 12 inch diameter total 1/2 inch thick at triangle, with both female and male pictographs, side by side, in contrasting color, with the word "RESTROOM" immediately below. Sign shall be mounted in center of door, 60 inches from finish floor to center of sign.
         2. The room shall be further identified by a rectangular room identification sign. Made up of two 1/8 inch thick pieces of acrylic plastic to form one 1/4 inch thick piece. Upper layer made up of non-glare clear acrylic. Lower layer made up of opaque acrylic. The sign is 4 inches high and the appropriate width upon which appears the word "RESTROOM" in contrasting color, 1 inch high, minimum 1/32 inches thick, fully tactile, accompanied by a braille indicator immediately below, on the same sign. Sign shall be located on the latch side of door, 60 inches from finish floor to center of sign, minimum 4 inches and maximum 12 inches from edge of door or on nearest adjacent wall.
         3. International symbol of accessibility shall appear above the room identification sign. Sign shall be 1/4 inch thick, 6 x 6 inches in size upon which appears the international symbol of accessibility, 4-1/2 inches high, minimum 1/32 inch thick, fully tactile, in contrasting color.
      5. Sign colors to match District-approved Rowmark color samples.
      6. Lettering Type Style: Helvetica Medium, caps only.
      7. Polished edges, all signs.
      8. Substitute "BOYS" or "GIRLS" where appropriate.
3. **EXECUTION**
   1. **EXAMINATION**
      1. Verify that surfaces are ready to receive Work.
      2. Beginning of installation means installer accepts existing surfaces.
   2. **INSTALLATION**
      1. On exterior and interior surfaces: Install sign with four (4) stainless steel, spanner head tamper resistant screws with appropriate anchor, and clear silicone caulking with zero clearance between plastic and face of substrate. Double face adhesive tape not permitted on these surfaces.
      2. On glass: Install sign with clear silicone caulking on window. In conjunction with the clear silicone caulking, double face adhesive tape can be used to hold sign until the silicone cures. Also, if sign is installed on a window, the sign will have a blank installed on the inside of the window. The blank shall be the show color of the sign.
      3. Install signs only after surfaces are finished, in center of door, or on wall adjacent to latch side as specified herein.
      4. Clean and polish.
      5. Protect sign until Substantial Completion.

**END OF SECTION**