

INTERIOR UNFRAMED SIGNS - STANDARD SIGN SYSTEM

DDNC Inset Raised Letter (IRL) and Braille signage for the visually impaired-designed to comply with the regulations set forth in the Americans with Disabilities Act.

PART 1 GENERAL**1.1 DEFINITIONS**

- A. Signs for Permanent Rooms: Signs for men's and women's rest rooms, numbered rooms and exits.
- B. Directional and Informational Signs: Wall-mounted signs that provide direction to or information about functional spaces.

1.2 ADA DESIGN REQUIREMENTS - PERMANENT ROOMS

- A. Tactile and Braille Characters: Raised 1/32 inch accompanied by Grade 2 Braille
- B. Typestyles: Upper case and sans serif or "simple serif."
- C. Character Height: Minimum 5/8 inch high, maximum 2 inches; all caps.
- D. Pictograms (Symbols): Equivalent written description shall be placed directly below symbol. Written description shall not be within symbols background field. Border dimension of background field shall be minimum 6 inches high.
- E. Finish and Contrast: Characters and background shall be eggshell, matte or other non-glare finish. Characters shall adequately contrast with background.

1.3 ADA DESIGN REQUIREMENTS - DIRECTIONAL AND INFORMATIONAL SIGNS

- A. Typestyles: Width-to-height ratio of between 3:5 and 1:1; stroke width-to-height of between 1:5 and 1:10
- B. Character Height: Sized to viewing distance.
- C. Finish and Contrast: Characters and background shall be eggshell, matte or non-glare finish. Characters shall be adequately contrast with background.

1.4 ADA DESIGN REQUIREMENTS - OVERHEAD SIGNS

- A. Typestyles: Width-to-height ratio of between 3:5 and 1:1; stroke width-to-height of between 1:5 and 1:10
- B. Character Height: Minimum 3 inches height.
- C. Finish and Contrast: Characters and background shall be eggshell, matte or non-glare finish. Characters shall be adequately contrast with background.

1.5 SUBMITTALS

- A. Provide shop drawings, listing of sign types, lettering and locations and overall dimensions of each sign.
- B. Samples: Provide one full size sample sign of type, style and color specified including method of attachment.
- C. Submit manufacturer's installation instructions.

1.6 QUALITY ASSURANCE

- A. For each sign form and graphic image process indicated furnish products of a single manufacturer.

1.7 REGULATORY REQUIREMENTS

- A. Comply with applicable provisions of American National Standard Specifications for Making Buildings and Facilities Accessible To and Usable by Physically Handicapped People

1.8 DELIVERY, STORAGE, and HANDLING

- A. Package separately or in like groups of names, labeled as to names enclosed. Include installation template, hardware or adhesive specified installation instructions.
- B. Store adhesive tape at ambient room temperatures.



PART 2 PRODUCTS**2.1 ACCEPTABLE MANUFACTURERS**

- A. Desk & Door Nameplate Co., Inc.
9310 Gulfstream Road, Frankfort, IL 60423 | telephone 815.806.8670 | fax 815.806.8999 | info@deskndoorusa.com
2895 21st Ave. North, St. Petersburg, FL 33713 | telephone 727.327.1472 | fax 727.327.6074 | ddncsign@tampabay.rr.com
- B. Substitutions: [None permitted].

2.2 SIGN FABRICATION

- A. Signs shall be a minimum of 1/8" thick, **not** including raised characters, non-glare (matte) finished surface with straight edges free of saw marks or any other imperfections.
- B. Signs shall be fabricated by applying a thin layer of ink to the back of the clear base sheet and a clear protective coating over the ink.
- C. Raised letters and numbers shall be achieved by chemically welding 1/16" thick computer cut, colorfast modified acrylic polymer text characters into the 1/32" computer recessed area of the face of the base sheet. The text shall be chemically welded to the recessed surface of the base sheet using methylene chloride and shall, after fabrication, remain raised 1/32" above the face of the base sheet.
- D. Grade II Braille shall be achieved by pressing optically correct acrylic raster balls into .003" computer drilled holes in the base sheet surface. The acrylic raster balls shall be U.V. protected and shall be guaranteed against fading. Bordered, depressed Braille is **NOT** acceptable.

2.3 MATERIALS GENERAL

- A. General:
[Matte] [Semigloss] sheen
[1/8] inch thick face plate
- B. Lettering/Raised Surfaces
1. Color [_____]
Manufacturer's standard finish:
Painted in acrylic polyurethane enamel, UV inhibited in one of the manufacturer's standard colors
 2. Height: [[1-1/2] [_____] inches minimum]
- C. Background Color: [_____]
- D. Corners [Square] [Round]
- E. Edges/Borders: [Straight] [Beveled {30°}]

FRAMES ARE OPTIONAL. YOU CAN CHOOSE AMONG OUR FRAME SYSTEMS: CONTOUR, ELITE, CONTEMPORARY, OR STYLE-BAR SYSTEM. FRAME OPTIONS CAN BE FOUND ON OUR WEBSITE www.ddncsigns.com.

- G. Frame:
[Extruded Aluminum] [Anodized] [Plastic] sign frame, depth appropriate to sign thickness
[square corner design] [radius corner design]

2.4 ACCESSORIES

- A. Tape Adhesive: Double sided tape, permanent adhesive
- B. Mounting Hardware: Metal Studs [welded] [drilled and tapped]
- C. Mounting Holes: [drilled] [drilled countersunk]



PART 3 EXECUTION**3.1 EXAMINATION**

- A. Verify that surfaces are ready to receive work.
- B. Beginning of installation means installer accepts existing surfaces.

3.2 INSTALLATION

- A. Install signs according to manufacture instructions or consult with ADA Section 4.30.6.. Install signs after surfaces are painted and finished, in locations indicated.
- B. Mount signs on wall adjacent to latch side of door. Mount signs to avoid door swing and protruding objects. Mount signs 60 inches from finished floor to centerline of sign.
- C. Mount overhead signs with minimum 80 inches clearance between sign and floor.
- D. Locate signs on surfaces, level. Clean and polish.

3.3 SCHEDULE

- A. Provide signs with name and number for each space per Architectural Floor Plans for rooms, such as rest room identification, code required signs and telephone identification signs. Do not use abbreviations.
 1. Rest Rooms sign panels shall be as follows: [MEN or WOMEN] [BOYS or GIRLS] (with wheelchair symbol).
 2. Code required signs shall display warning,, danger, hazard, emergency, fire and evacuation information.
 3. Telephone signs shall be either ceiling mounted or flag type.
- B. The following doors do not require room number signs:
 1. Corridor barrier doors (cross-corridor).
 2. Folding doors.
 3. Door to stairs, toilet and bathroom doors within spaces.
 4. Doors to toilets in private office.
 5. Communicating doors in partitions between rooms with numbered entrance doors or closet doors within rooms.

