INTERIOR
ADA COMPLIANT
SIGNAGE PROGRAM

JUNE-11-96

EAST CAROLINA UNIVERSITY
GREENVILLE, N.C.
**EAST CAROLINA UNIVERSITY**  
**INTERIOR ADA COMPLIANT SIGNAGE**  
**PHASE I**

**SIGN TYPES**

Sign types are described as follows:

<table>
<thead>
<tr>
<th>Sign Type</th>
<th>Function</th>
<th>Size</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>A,</td>
<td>Room Numeral Identification Module</td>
<td>3&quot; x 8&quot; x 3/16&quot;</td>
<td></td>
</tr>
<tr>
<td>B,</td>
<td>Room Numeral &amp; Function Id. Plaque</td>
<td>7&quot; x 8&quot; x 3/16&quot;</td>
<td></td>
</tr>
<tr>
<td>C,</td>
<td>Room Numeral &amp; Window Plaque Office / Classroom Id.</td>
<td>9&quot; x 8&quot; x 3/16&quot;</td>
<td></td>
</tr>
<tr>
<td>C/I,</td>
<td>Window Plaque Insert</td>
<td>5-1/8&quot; x 8&quot;</td>
<td></td>
</tr>
<tr>
<td>D,</td>
<td>Room Numeral &amp; Changeable Plaque Semi - Permanent Office Identification</td>
<td>11&quot; x 8&quot; x 3/16&quot;</td>
<td></td>
</tr>
<tr>
<td>E,</td>
<td>Restroom Identification Plaque with Numeral Id.</td>
<td>11&quot; x 8&quot; x 3/16&quot;</td>
<td></td>
</tr>
<tr>
<td>F,</td>
<td>Exterior Building Entrance Identification</td>
<td>16&quot;x16&quot;x1&quot;</td>
<td></td>
</tr>
<tr>
<td>G,</td>
<td>Elevator Cab / Building Identification</td>
<td>8&quot; x 8&quot; x 3/16&quot;</td>
<td></td>
</tr>
<tr>
<td>H,</td>
<td>Corridor Directional Sign</td>
<td>12&quot; x 12&quot; x 3/16&quot;</td>
<td></td>
</tr>
<tr>
<td>I,</td>
<td>Emergency Informational Sign</td>
<td>8&quot; x 8&quot; x 3/16&quot;</td>
<td></td>
</tr>
</tbody>
</table>
001-ADA Compliance Specifications:

The following specifications pertain to all sign products utilizing tactile raised graphics and grade II braille:

1. Graphics to be 5/8" min. in letter height.

2. Graphics to be raised a minimum of 1/32" from the background surface.

3. All graphics to maintain a 70% or greater color contrast level with background.

4. All tactile braille to be grade II.

5. All braille to conform with mandated dot height and spacing.
   a. dot height standard min. .025
   b. dot height maximum 1/32"
   c. interdot spacing @ .090.
   d. all dots to be perfectly rounded(domed).

6. All braille to be embedded rasters .0625" in dia. of clear acrylic for interior applications and clear glass rasters for exterior applications where required.

7. All raised tactile graphics to be sans serif, Futura Medium, font.
   a. Character width no less than 55% and no greater than 110% of height, measured by uppercase "O".
   b. Stroke thickness no less than 10% and no more than 30% of character height, measured by uppercase "I".
   c. All characters to have beveled profiles with a stroke thickness at base no less than 10% of the top of character and no more than 30%, a 15 degree draft is recommended.
   d. Intercharacter spacing for characters with beveled profiles, to be 1/16"min. to 3/8" max. at base and 1/8" to 3/8" at the top.

8. All graphics to maintain an eggshell finish.

9. All background surfaces to maintain an eggshell, non glare finish.

002-Material Specifications:

1. Sign background (to be comprised of two laminate plys of cast acrylic sheet. The face ply to be 1/32" thick nonglare finished optically correct acrylic. Background color is to be applied to the subsurface as well as silk screened graphics when required. Substrate ply to be 1/8" black acrylic.
   a. All edges to be routed smooth and square.
2. Tactile graphic applique to be comprised of 1/32" modified engraving acrylic with the following properties.
   a. Color composition incorporated into material.
   b. High bond (3M) adhesive backing (see adhesive specs.).
   c. Izod impact strength, 2ft. lbs/in.
   d. Tensile strength, 7,000 psi before break.
   e. Specific gravity, 1.11.
   f. Rockwell hardness, R114, M45.
   g. Coefficient of thermal expansion, 5.0 x 10-5.

2.1 Applique material to be mechanically engraved (cut) on substrate, to form a 1/32" min. raised letter form with a +/- 15 degree beveled profile or draft.

3. All grade II braille to be displayed in embedded rasters .0625" in dia. of clear acrylic for interior applications and clear glass rasters for exterior applications as required. Raster voids are to be precision milled into the substrate material in order to allow the proper raster height and interdot spacing as specified above.

   a. Adhesive thickness 2mils.
   b. Peel adhesion, 144 (39.4)
   c. Holding power, 4.4psi, >200 hrs. / 8.8psi, >24hrs.
   d. Service temperature range, -40f. to +300 f.
   e. Humidity resistance at % peel retention, 96%.
   f. Water resistance at % peel retention, 90%.

003- Mounting Methods.

All sign products with the exception of sign type F, to be mounted or installed in one or combination of the two following methods.

1. Shim Plate Mounting, this method incorporates an .080 aluminum plate milled 1/8" smaller overall than the corresponding plaque or sign. The mounting shim plate is to be painted to match the plaque. Shim plate and then affixed to the porous wall surface with 2-4 counter sunk fasteners and the appropriate anchors. The corresponding sign or plaque is then fastend to the shim plate with very high bond double faced tape and silicone as required.

2. Very High Bond Tape Mounting, this method utilizes a neoprene tape product with high bond acrylic adhesive on both sides. This method is only recommended for application of signs to a nonporous surface.
004- Intent

It is the designer and owners intent to create specifications for product(s) that follow the federal ADA title II guidelines and ANSI A117.1 commitee revisions to date.

Product, materials and methods specified are intended to meet the following criteria:

1. Durability
   a. Provide subsurface background colors and noncompliant graphics as specified.
   b. Provide 15 degree letter draft, bolder at base, narrow at top.
   c. Provide tactile graphic applique to meet or exceed specifications for strengn and surface adhesion retention.

2. ADA guidelines / 1996 ANSI Commitee / ADDAG Advisory Review Commitee
   a. Contrast level exceeding 70%
   b. San serif type face
   c. Beveled tactile graphics.
   d. Proper rounded grade II braille, interdot height & spacing.
   e. Proper tactile inter-character spacing.

Alternate product, materials and methods for creating signs, must meet the objectives of the above intent. All alternate samples must be equal or exceed the above specifications. All alternate samples and materials are subject to approval review by the owners or their representatives.
SIGN TYPE: A - INTERIOR ROOM NUMBER PLAQUES

SCALE: FULL SCALE

SPECIFICATIONS
SIGN TYPE: "A"
QUANTITY: (___) TOTAL REQUIRED
SERIES DESIGN: 120RD
INT. or EXT. USE: INTERIOR
SIZE: 8" X 8"
BACKGROUND COLOR: PMS #11C WARM GRAY
LETTER STYLE: FUTURA MEDIUM
LETTER SIZE: 1"
LETTER COLOR: WHITE
COPY TO BE SET: CAPS
SPACING: NORMAL

TYPE POSITION: LEFT CENTER
SYMBOL/ARROW STYLE:
SYMBOL/ARROW SIZE:
SYMBOL/ARROW COLOR:
RADIUS:
FRAME DESIGN:
FRAME SIZE:
FRAME COLOR:
MOUNTING METHOD: SP&M & VTM AS REQ'D
Special Requirements: INCLUDE GRADE 2 BRAILLE
PAINT SHIM PLATES PMS #11C
SIGN TYPE: B - INTERIOR WALL PLAQUES

SCALE: 1/4" = 1'

SPECIFICATIONS
SIGN TYPE: "B"
QUANTITY: ( ) TOTAL REQUIRED
SERIES DESIGN: 12ORS
INT. or EXT. USE: INTERIOR
SIZE: 9" x 9" & 3 15/16" x 6" BACKGROUND COLOR: PM# 11C WARM GRAY
LETTER STYLE: FUTURA MEDIUM
LETTER SIZE: 1" & 5/8"
LETTER COLOR: WHITE
COPY TO BE SET: CAPS
SPACING: NORMAL
TYPE POSITION: LEFT CENTER
SYMBOLS/ARROW STYLE:
SYMBOLS/ARROW SIZE:
SYMBOLS/ARROW COLOR:
RADIUS:
FRAME DESIGN:
FRAME SIZE:
FRAME COLOR:
MOUNTING METHOD: SPM & VTM AS REQ'D

Special Requirements: INCLUDE GRADE 2 BRAILLE
SIGN TYPE: C - INTERIOR WINDOW PLAQUES

SCALE: 1/2" = 1".

SPECIFICATIONS
SIGN TYPE: C
QUANTITY: (___) TOTAL REQUIRED
SERIES DESIGN: 120RBW
INT. or EXT. USE: INTERIOR
SIZE: 5" X 8" & 5 15/16" X 8"
BACKGROUND COLOR: PMG #11C WARM GRAY
LETTER STYLE: FUTURA MEDIUM
LETTER SIZE: 1" & 1/2"
LETTER COLOR: WHITE
COPY TO BE SET: UL/C
SPACING: NORMAL

TYPE POSITION: LEFT CENTER
SYMBOL/ARROW STYLE:
SYMBOL/ARROW SIZE:
SYMBOL/ARROW COLOR:
RADIUS:
FRAME DESIGN:
FRAME SIZE:
FRAME COLOR:
MOUNTING METHOD: SP & VTM AS REQ'D

Special Requirements: INCLUDE GRADE 2 BRAILLE

20 MIL. RIGID VINYL INSERT WITH SURFACE APPLIED VINYL GRAPHICS AND SUBSURFACE BACKGROUND COLOR

Applied Computer Graphics 101
John Smith
SIGN TYPE: D - INTERIOR WALL PLAQUES

SPECIFICATIONS
SIGN TYPE: "D"
QUANTITY: ____ TOTAL REQUIRED
SERIES DESIGN: 120RB & 1205X
INT. or EXT. USE: INTERIOR
SIZE: 3" x 8" & 7 15/16" x 8"
BACKGROUND COLOR: PMS #11C WARM GRAY
LETTER STYLE: FUTURA MEDIUM
LETTER SIZE: 1" & 1/2"
LETTER COLOR: WHITE
COPY TO BE SET: CAPS
SPACING: NORMAL
TYPE POSITION: LEFT CENTER
SYMBOL/ARROW STYLE:
SYMBOL/ARROW SIZE:
RADIUS:
FRAME DESIGN:
FRAME SIZE:
FRAME COLOR:
MOUNTING METHOD: SPM & YTM AS REQ'D

Special Requirements: INCLUDE GRADE 2 BRAILLE

<table>
<thead>
<tr>
<th>7 15/16&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2 &quot;</td>
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<tr>
<td>1/2 &quot;</td>
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<tr>
<td>1/2 &quot;</td>
</tr>
<tr>
<td>1/2 &quot;</td>
</tr>
<tr>
<td>EQ</td>
</tr>
</tbody>
</table>

Associate Director
Weekend University
University College
Evening Programs

$800$ ALUM. Shim Plate
1/8" Acrylic Back Plate
1/16" Clear Matte Acrylic Sub Surface Printed Background Color
.032" Dia. Braille Rasters Configured in Grade 2 Format, Rasters Mechanically Inserted Into Acrylic Sign Face, Raster Options in Glass or Plastic(Clear).
1/16" Clear Matte Acrylic Sub Surface Screen Printed Graphics and Painted Background Color
1/8" Opaque Acrylic Back Plate

SECTION DETAIL
(#120RB) & (1205X)
NOT TO SCALE

MOUNT DETAIL
Shim Plate Mount
NOT TO SCALE
SIGN TYPE: E.1 - INTERIOR WALL PLAQUES

SCALE: 1/4" = 1"

SPECIFICATIONS
SIGN TYPE: "E.1"
QUANTITY: (___) TOTAL REQUIRED
SERIES DESIGN: 120R8 & 1205SRB
INT. or EXT. USE: INTERIOR
SIZE: 3" x 8" & 7 15/16" x 8"
BACKGROUND COLOR: PMS #11c WARM GRAY
LETTER STYLE: FUTURA MEDIUM
LETTER SIZE: 1" & 3/4"
LETTER COLOR: WHITE
COPY TO BE SET: CAPS
SPACING: NORMAL
TYPE POSITION: LEFT CENTER & BOTTOM CENTER
SYMBOL/ARROW STYLE: GENDER & HDF
SYMBOL/ARROW SIZE: 4"
SYMBOL/ARROW COLOR: WHITE
RADIUS:
FRAME DESIGN:
FRAME SIZE:
FRAME COLOR:
MOUNTING METHOD: SPM & VTM AS REQ'D

Special Requirements: INCLUDE GRADE 2 BRAILLE

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WOMEN

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SECTION DETAIL
(#120R8) & (1205X)
NOT TO SCALE

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MOUNT DETAIL
Shim Plate Mount
NOT TO SCALE

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MOUNT DETAIL
VHB Vinyl Foam Tape
NOT TO SCALE
Division of Continuing Studies
Summer School
Weekend University
University College
Evening Programs
Extension
Noncredit Programs

SIGN TYPE: F - EXTERIOR WALL PLAQUES
SCALE: 3/8" = 1"

SPECIFICATIONS
SIGN TYPE: "F"
QUANTITY: (___) TOTAL REQUIRED
SIZE: 10"h x 16"w x 1"d
POST/PANEL SERIES: PAN FACE PANEL
SIGN DESIGN: FABRICATED PAN FACE
SINGLE FACE / NON-ILLUMINATED
INSTALLATION METHOD: MECHANICAL TO WALL SURFACE
PANEL SYSTEM: PAN
PANEL MATERIAL: .080" ALUMINUM
PANEL FINISH/COLOR: PMS #11C WARM GRAY
GRAPHIC APPLICATION: VINYL
LETTER STYLE: FUTURA MEDIUM
LETTER SIZES: 1" & 3/4"
LETTER COLOR: WHITE
COPY TO BE SET: UL/C
SPACING: "AS SHOWN"
LOGO GRAPHIC APPLICATION: VINYL
LOGO/ARROW STYLE: ECU LOGO & BORDER
LOGO/ARROW SIZE: 3" LOGO & 1/8" THICK BORDER INSET 1/4"
LOGO/ARROW COLOR: WHITE

Special Requirements:

SECTION DETAIL
SCALE: Not to Scale
SIGN TYPE: G - INTERIOR ELEVATOR ID SIGNS

SCALE: 1/4" = 1"

SPECIFICATIONS
SIGN TYPE: "G"
QUANTITY: (___) TOTAL REQUIRED
SERIES DESIGN: 1205XRB
INT. or EXT. USE: INTERIOR & EXTERIOR
SIZE: 8" X 8"
BACKGROUND COLOR: PMS #11C WARM GRAY
LETTER STYLE: FUTURA MEDIUM
LETTER SIZE: 1", 5/8" & 1/2"
LETTER COLOR: WHITE
COPY TO BE SET: CAPS & UL/C
SPACING: NORMAL

TYPE POSITION: TOP CENTER
SYMBOL/ARROW STYLE:
SYMBOL/ARROW SIZE:
SYMBOL/ARROW COLOR:
RADIUS:
FRAME DESIGN:
FRAME SIZE:
FRAME COLOR:
MOUNTING METHOD: SFM & VTM AS REQ'D
Special Requirements: INCLUDE GRADE 2 BRAILLE
PAINT SHIM PLATES PMS #11C
SIGN TYPE: H - INTERIOR DIRECTIONALS

SCALE: 3/8" = 1'

SPECIFICATIONS
SIGN TYPE: "H"
QUANTITY: (____) TOTAL REQUIRED
SERIES DESIGN: 1205X
INT. or EXT. USE: INTERIOR
SIZE: 12"h x 18"w
BACKGROUND COLOR: PMS #11C WARM GRAY
GRAPHIC APPLICATION: SUBSURF. SILK SCREEN
LETTER STYLE: FUTURA MEDIUM
LETTER SIZE: 1 3/8" LETTER COLOR: WHITE
COPY TO BE SET: UL/C

SPACING: NORMAL
TYPE POSITION: LEFT CENTER
SYMBOL/ARROW STYLE: EQUAL SIDES ARROW
SYMBOL/ARROW SIZE: 1 3/8"
SYMBOL/ARROW COLOR: WHITE

RADIUS:
FRAME DESIGN:
FRAME SIZE:
FRAME COLOR:
MOUNTING METHOD: 5PM & VTM AS REQ'D
Special Requirements: PAINT SHIM PLATES PMS #11C

SECTION DETAIL
(#1205X)
NOT TO SCALE
In Case of Fire
Do Not Use Elevator
Use Stairs

SIGN TYPE: I - INTERIOR INFO. SIGN
SCALE: 3/4" = 1"