

INTERIOR SIGNAGE

PART 1 - GENERAL

1.01 Summary

- A. This Section includes the following types of signs: ADA interior signage system and bronze building plaques.
- B. Related work elsewhere includes: exterior signage, FSU Signage manual, construction project sign, sample bronze building plaque.

1.02 Submittals

- A. **General:** Submit the following in accordance with Conditions of the Contract and Division 1 Specification Sections.
- B. **Product Data:** Include manufacturer's construction details relative to materials, dimensions of individual components, profiles, and finishes for each type of sign required.
- C. **Shop Drawings:** Provide 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.
- D. Provide **message list** for each sign required, including large-scale details of wording and layout of lettering.
- E. **Attachment:** For signs supported by or anchored to permanent construction, provide setting drawings, templates, and directions for installation of anchor bolts and other anchors to be installed as a unit of Work in other Sections.
- F. Furnish full-size **spacing templates** for individually mounted dimensional letters and numbers.
- G. Furnish full-size **rubbings** for metal plaques.
- H. **Samples:** Provide the following samples of each sign component for initial selection of color, pattern and surface texture as required and for verification of compliance with requirements indicated.
 - 1. **Cast Acrylic Sheet:** Manufacturer's color charts consisting of actual sections of material including the full range of colors available for each material required.
 - a) Provide sample sign for final approval. Sample, upon approval, may be returned for use on the project.

1.03 **Quality Assurance**

- A. **Single-Source Responsibility:** For each separate type of sign required, obtain signs from one source from a single manufacturer.
- B. **Substitutions:** Requests for substitution of manufacturer or materials must be approved in writing prior to bid opening.

1.04 **Project Conditions**

- A. **Field Measurements:** Take field measurements prior to preparation of shop drawings and fabrication to ensure proper fitting. Show recorded measurements on final shop drawings.
- B. **Coordinate fabrication schedule** with construction progress to avoid delay and ensure completion of signage commensurate with plans for occupancy.

PART 2 - PRODUCTS

2.01 **Manufacturers**

- A. **Manufacturers:** Subject to compliance with requirements, provide products from one of the following OR approved equal:

1. **Manufacturers of ADA Interior Signs:**

ABC Architectural Signing System, Division of Nelson-Harkins Industries.
Allenite, A Division of Allen Marking Products, Inc.
Andco Industries Corp.
APCO Graphics, Inc.
Architectural Graphics, Inc.
ASI Sign Systems, Inc. - Basis of Design: "SPF" Series
Best Manufacturing Co.
Kroy
Modulex.
Mohawk Sign Systems.
Spanjer Brothers, Inc.
The Supersine Company.
Vomar Products, Inc.

2. **Manufacturers of Cast Plaques:**

Andco Industries corp.
A.R.K. Ramos Manufacturing Company, Inc.
Best Manufacturing Co.
Gemini, Inc.
Lake Shore Markers
Metal Arts, Division of L & H Manufacturing Co.
OMC Industries, Inc.
The Southwell Company.

3. Materials:

a) **Cast Acrylic Sheet:** Provide cast (not extruded or continuous cast) methyl methacrylate monomer plastic sheet, in sizes and thicknesses indicated, with a minimum flexural strength of 16,000 psi when tested in accordance with ASTM D 790, a minimum allowable continuous service temperature of 176 deg F (80 deg C), and of the following general types:

b) **Opaque Sheet:** Where sheet material is indicated as "opaque," provide colored opaque acrylic sheet in colors and finishes as selected from the manufacturer's standards.

c) **Bronze Castings:** Provide bronze castings, copper alloy UNS C83600, complying with the requirements of ASTM B 584.

d) **ABS Plastic:** Provide high-impact thermoplastic composed of copolymers of acrylonitrile, butadiene, and styrene.

e) **Anchors and Inserts:** Use nonferrous metal or hot-dipped galvanized anchors and inserts for exterior installations and elsewhere as required for corrosion resistance. Use toothed steel or lead expansion bolt devices for drilled - in-place anchors. Furnish inserts, as required, to be set into concrete or masonry work.

f) **Colored Coatings for Acrylic Plastic Sheet:** Use colored coatings, including inks and paints for copy and background colors, that are recommended by acrylic manufacturers for optimum adherence to acrylic surface and are nonfading for the application intended.

2.02 ADA Interior Signs

A. **ADA Interior Signs:** Comply with requirements indicated for materials, thickness, finishes, colors, designs, shapes, sizes, and details of construction.

1. Produce smooth, even, level sign panel surfaces, constructed to remain flat under installed conditions within a tolerance of plus or minus 1/16 inch measured diagonally. Provide raised 1/32" graphics and Braille consistent with ADA requirements.

2. **Unframed Panel Signs:** Fabricate signs with edges mechanically and smoothly finished to conform to the following requirements:

a) **Edge Condition:** Beveled

b) **Edge Color for Plastic Laminate:** Edge color same as background

c) **Corner Condition:** Corners rounded to radius indicated. Refer to illustration included at the end of this section.

d) **Graphic Content and Style:** Provide sign copy that complies with the requirements indicated for size, style, spacing, content, position, material, finishes, and colors of letter, numbers, and other graphic devices. Provide 1/32" raised copy with Braille etched photopolymer faceplate and acrylic backplate.

e) **Basis of Design:** TS150, TS250 as manufactured by ABC, Nelson-Harkins.

B. Cast Metal Plaques

1. **Plaques:** Castings shall be free from pits, scale, and 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 the manufacturer's standard satin polished finish. Refer to the "Finishes" Article for other finish requirements.

a) **Size of Plaque:** 1' - 6" x 2' - 4"

b) **Metal:** Bronze

c) **Border Style:** Raised flat band

d) **Background Texture:** Manufacturer's standard pebble texture

e) **Background Finish:** Provide dark statuary finish to comply with the requirement specified for bronze finishes, except provide background texture specified above in lieu of mechanical finish indicated.

f) **Letters:** Raised, polished, Helvetica style

2. **Mounting:** Concealed studs as manufactured by Spanter Bros., Inc., 1160 North Howe Street, Chicago, IL, or approved equal.

C. Finishes

1. **Colors and Surface Textures:** For exposed sign material that requires selection of materials with integral or applied colors, surface textures or other characteristics related to appearance, provide color matches indicated, or if not indicated, as selected by the Architect from the manufacturer's standards.

2. **Metal Finishes:** Comply with NAAMM "Metal Finishes Manual" for finish designations and applications recommendations.

3. **Bronze Finishes:** Finish designations prefixed by "CDA" conform to the system established by the Copper Development Association for designating finishes.

4. **Natural Satin Finish:** CDA-M3106x (Mechanical Finish: Fine satin directional textured; Clear Organic Coating: Manufacturer's standard air-dry clear organic coating as specified below).

5. **Clear Organic Coating:** Air-dried acrylic coating Incralac as developed by International Copper Research Corporation, 1.0 mil minimum dry thickness.

6. **Color:** Uniform, matching color of the Architect's sample.

PART 3 - EXECUTION

3.01 Installation

- A. **General:** Locate sign units and accessories where indicated, using mounting method of the type described and in compliance with the manufacturer's instructions.
- B. **Install** signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.
- C. **Wall Mounted Signs:** Attach panel signs to wall surfaces using the methods indicated below:
- D. **Vinyl-Tape Mounting:** Use double-sided foam tape, of thickness indicated, to mount signs to smooth, nonporous surfaces. Do not use this method for vinyl-covered or rough surfaces.
- E. **Cast Metal Plaques:** Mount plaques using the standard method recommended by the manufacturer for the type of wall surface indicated.
- F. **Concealed Mounting:** Mount the plaques by inserting threaded studs into tapped lugs on the back of the plaque. Set in predrilled holes filled with quick-setting cement.

3.02 Cleaning and Protection

- A. At completion of the installation, clean soiled sign surfaces in accordance with the manufacturer's instructions. Protect units from damage until acceptance by the Owner.

3.03 Signage Schedule

- A. Provide room names and room numbers to rooms as indicated on Sign Type Schedules.
- B. Signage mounting location and height as follows:
 - 1. All Signs: Mount 60" above finish floor to the centerline of the sign. Mount on wall adjacent to the latch side of the door.
 - 2. At Double Doors: Mount on wall on left-hand side of doorframe. Mount 60" above finish floor to the centerline.
- C. **Sign Types:**
 - 1. Stairs
 - 2. Handicap Restrooms
 - 3. Restrooms
 - 4. Unisex Handicap Restrooms
 - 5. Suites

END OF SECTION