

SECTION 10400 - IDENTIFYING DEVICES

City of San Diego, CWP Guidelines

S# _____

NTS: This Section has been made flexible by including more features and requirements than would be used on a single project with typical signage requirements. Delete the unnecessary material.

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PART 1 -- GENERAL

1.1 WORK OF THIS SECTION

- A. The WORK of this Section includes providing all signs and other identifying devices and all appurtenant work.

1.2 CODES

- A. The WORK of this Section shall comply with the current editions of the following codes as adopted by the City of San Diego Municipal Code:
 - 1. Uniform Building Code
 - 2. Uniform Sign Code

1.3 SHOP DRAWINGS AND SAMPLES

- A. The following shall be submitted in compliance with Section 01300:
 - 1. Shop Drawings: Submit shop drawings for fabrication and erection of identification device. Include plans, elevations, and large scale details of sign wording and lettering layout. Show fasteners, mountings, anchorages and accessory items.
 - a. Furnish location template drawings for supported or anchored to permanent construction.
 - b. Style and colors of lettering shall be as selected by the CONSTRUCTION MANAGER from manufacturer's standards.
 - c. Full-size rubbings shall be furnished for metal plaques. Rubbing shall clearly indicated all letter styles and sizes as well as the overall outline of plaque. Additional drawings shall be provided as required to completely define anchorages, mountings and accessory items.
 - 2. Product Data: Manufacturer's technical data and installation instructions shall be submitted for each type of sign required.

3. Samples: The CONTRACTOR shall submit to the CONSTRUCTION MANAGER for approval, samples of all the materials and colors he proposes to use on the WORK. The samples shall be clearly marked to show the manufacturer's name and product identification. Accepted sample units may be installed as part of the WORK, with the CONSTRUCTION MANAGER'S permission.

PART 2 -- PRODUCTS

2.1 GENERAL

- A. Wording on all identification devices shall be as per schedule.
- B. Uniformity of Manufacturer: The CONTRACTOR shall furnish products of a single manufacturer for each sign type and graphic image process indicated.
- [C. Additional identification devices required under other sections of these Specifications shall also be provided as indicated herein.
 1. Painted signs on tanks.
 2. Equipment warning and operating signs.]
 3. Identification devices for hazardous materials storage and conveyance facilities are specified in Section 15030.

2.2 NAMEPLATES

- A. Nameplates shall be of colored 1/8-inch acrylic plastic plates with matte finish. Lettering shall be white, 1/2-inch high and fused by heat and pressure to a depth of approximately 0.005-inch. Plates shall be installed in an extruded aluminum frame, medium bronze or dark anodized finish, and plate color and letter style shall be as selected by the CONSTRUCTION MANAGER.

B. **Nameplate Schedule:**

Room or Door	Lettering on Plate
[102]	[Operators]
[103]	[Superintendent]

2.3 SIGNS

- A. **General:** Signs or warnings shall be painted. Paint materials shall be baked enamel on aluminum.
 1. Signs shall conform to OSHA Standards and directions. Locations, sizes, and colors shall be as reviewed by the CONSTRUCTION MANAGER.
 2. The lettering sizes shall be 3-inch in height unless shown or specified otherwise.
 3. Each sign shall be in both English and Spanish as defined below.

B. **Chlorine Storage Area and Chlorinator Equipment Room:** The following signs shall be painted on the doors to the Chlorine Storage Room and Chlorinator Room:

DANGER POISON GAS
CHLORINE
KEEP OUT

PELIGRO GASES VENENOSOS
CLORO
NO ENTRAR

C. **Emergency Equipment Cabinet Door and Emergency Equipment Storage Door:** The following shall be painted on the inside of the door:

IN CASE OF EXPOSURE TO
CHLORINE GAS, REMOVE
PATIENT TO FRESH AIR,
KEEP PATIENT WARM AND
QUIET, AND SEND FOR
A PHYSICIAN [NOTIFY
THE OWNER.] _____

EN CASO DE INTOXICACION CON
GASES DE CLORO, MUEVA LA
PERSONA AL AIRE FRESCO,
MANTENGALA ABRIGADA Y
CALMADA, Y LLAME AL MEDICO
INMEDIATAMENTE [NOTIFIQUE
AL _____ PROPIETARIO.]

D. **Paint Cabinet:** The following sign shall be painted on the outside of the paint locker door:

CAUTION
PAINT STORAGE
KEEP DOOR CLOSED

PRECAUCION
DEPOSITO DE PINTURA
MANTENGA LA PUERTA CERRADA

E. **Doors:** The following sign shall be painted on doors [] [] []:

1. EMPLOYEES ONLY

EMPLEADOS SOLAMENTE

F. **Doors:** The following sign shall be painted on doors [] [] []:

1. EXIT

SALIDA

G. **Laboratory Bottle Gas:** The following sign shall be provided for installation over fuel gas bottles:

CAUTION
FUEL GAS
NO SMOKING

PRECAUCION
GASES COMBUSTIBLES
NO FUMAR

H. **Non-Potable Water:** The following warning sign shall be provided at all hose bibb locations where water is non-potable:

CAUTION
NON POTABLE WATER
DO NOT DRINK

PRECAUCION
AGUA NO POTABLE
NO BEBA

I. **Miscellaneous:** The following sign shall be provided at [LPG Gas Tank Area] [Fuel Pump Area] [Electric Vehicle Charging Locations].

NO SMOKING

NO FUMAR

- J. The following sign shall be provided in all new and existing underground structures into which employees may enter.

CAUTION
VENTILATE BEFORE ENTERING

PRECAUCION
V E N T I L A R A N T E S
D E E N T R A R

2.4 METAL LETTERS AND NUMBERS

- A. Metal letters and numbers shall be provided in compliance with the requirements indicated for the manufacturing process, materials, finish, style, size and message content.
- B. Letters and numbers shall be formed by casting aluminum to produce characters with smooth, flat faces, sharp corners, precisely-formed lines and profiles, free from pits, scale, sand holes, or other defects. Cast lugs into the back of the characters and tap to receive threaded mounting studs.
- C. **Baked Enamel Finish:** Finish shall be AA-M4xC12C42R1x, manufacturer's standard non-directional mechanical finish including sanding and filing, cleaning with inhibited chemicals, conversion coating with an acid-chromate-fluoride-phosphate treatment and painting with manufacturer's standard organic thermosetting enamel system consisting of a prime coat and a finish coat.

2.5 MISCELLANEOUS LETTERS AND NUMBERS

- A. **Plastic:** Plastic letters shall be [4] [6]-inch Helvetica Medium lower case cut from 1/4-inch thick acrylic plastic, finished with auto paint coating of color selected by the CONSTRUCTION MANAGER.
- B. **Wood:** Routed wood letters shall be [3] [4] [6]-inch Helvetica Medium lower case letters, routed into redwood boards, 1/4-inch depth.
- C. **Wording:** The lettering shall read as indicated. Number shall be verified before ordering.

[2.6 CAST BRONZE PLAQUE

- A. A cast bronze plaque, [24] [16]-inch wide by [16] [24]-inch high, shall be provided and installed as directed by the CONSTRUCTION MANAGER. The plaque shall have a satin finish, plain double line border, leatherette background, and be inscribed as directed by the CONSTRUCTION MANAGER. Letters shall be raised satin, finished with each letter sharp and clearly defined. Letter size and style shall be as selected by the CONSTRUCTION MANAGER.
- B. Cast bronze plaque shall be free from pits, scale, sand holes, or other defects. Borders and raised copy shall be hand tooled and buffed as required to produce the manufacturer's standard satin polish finish.

- C. **Natural Satin Finish:** Provide NAAMM-M31-06x finish; fine satin directional textured mechanical finish with manufacturer's standard clear organic coating, 1.0 mil minimum dry thickness.]

2.7 MANUFACTURERS

- A. Products shall be of the following manufacture and type (or equal):

- 1. Nameplates:

Builders Brass Works, "460 Series"
Desk and Door Nameplate Co., "Elite Sign System"
Vomar Products, Inc., "ES100 Series"

- 2. Metal letters:

A.R.K. Ramos
James H. Matthews and Co.
Metal Arts

- 3. Cast bronze plaques:

A.R.K. Ramos
Metal Arts
Metallic Arts, Inc.

PART 3 -- EXECUTION

3.1 GENERAL

- A. Identifying devices shall be installed where directed by the CONSTRUCTION MANAGER.
- B. All installations of identifying devices shall be vandal-resistant. Fasteners shall be concealed, non-corrosive fasteners appropriate for materials being fastened and as required.
- C. Locate sign units and accessories where indicated, using mounting methods of the type described and in compliance with the manufacturer's instructions.
- D. Install sign units level, plumb and at the height indicated, with sign surfaces free from distortion or other defects in appearance.

3.2 METAL LETTERS AND NUMBERS

- A. Metal letters and numbers shall be mounted using standard fastening methods recommended by the manufacturer for the letter form, type of mounting, wall construction and condition of exposure indicated. Provide heavy paper template to establish letter spacing and to locate holes for fasteners.
 - 1. Flush Mounting: Letters shall be mounted with backs in contact with the wall surface.

[3.3 CAST BRONZE PLAQUE

- A. Cast bronze plaque shall be mounted using the standard method recommended by the plaque manufacturer for the type of wall surface indicated.
 - 1. Concealed Mounting: Bronze plaque shall be mounted by inserting threaded studs into tapped lugs on the back of the plaque. Set the plaque into predrilled holes in the substrate which are filled with quick-setting cement.]

** END OF SECTION **