



City of National City Fire Department

Phone (619) 336-4550



Sign Requirements

Date: December 5, 2022

Project: General Requirements

Request: R. Hernandez/Fire Marshal

Approval for final sign-off shall be contingent upon final field inspection and compliance with all applicable codes and ordinances

1) **FIRE DEPARTMENT CONNECTIONS (FDC), OUTSIDE STEM AND YOKE (OS&Y) & POST INDICATOR VALVES (PIV) (MAY BE COMBINED)**

All device signs shall be of .080-gauge aluminum. All signs shall be 12 inches wide and 18 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters. **Name and address of business shall be located on front of sign.** A combination of the abbreviations may be used to describe devices found at site. *All abbreviations shall strictly follow height requirements*

- Red background with white lettering
- Letter height – **FDC, OS&Y, PIV** – shall be 3 inches tall
- Business address – shall be 1 ¼ inches tall

- Required FDC and Standpipes signs shall also indicate the pressure required at the inlets to deliver the system demand. PSI – shall be 1 ¼ inches tall
- Sign support pole: Schedule 40, 2-inch galvanized pipe. Sign must be buried in concrete base 1 ½ feet deep. Sign shall be placed at top of pole

2) **STREET ADDRESS**

Street numbers shall be visible from the street. Address size shall be provided by the Building Official. Address shall be of contrasting color to the building and shall be placed in conspicuous area near main access. Structure may be required to provide address in multiple locations. Please contact the Fire Marshal for direction and final address placement

3) **NATURAL GAS METERS**

All gas signs shall be of .080-gauge aluminum. All signs shall be 10 inches wide and 14 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a yellow background with black letters

- Yellow background with black lettering
- Signage letter height – **NATURAL GAS METER** – shall be 2 ¾ inches tall
- Sign shall be placed AT 5 ½ feet to center above the gas meter in an area clearly visible from the street. Please contact the Fire Marshal for field placement if necessary

4) **VERTICAL CLEARANCE SIGNS**

All vertical clearance signs shall be of .080-gauge aluminum. All signs shall be 8 inches wide and 24 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a yellow background with black letters

- Yellow background with black lettering
- Signage letter height – **Vertical Clearance Sign** – shall be 4 inches tall

- Signage shall be centered directly above the vertical obstruction in an area clearly visible from the street. Please contact the Fire Marshal for field placement

5) **FIRE ALARM CONTROL PANEL (FACP)**

All signs shall be of .080-gauge aluminum. All signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red Background with white lettering
- Signage letter height – **Fire Alarm Control Panel** – shall be 2 inches tall
- Please contact the National City Fire Department for FACP location per plans
- Sign shall be placed at the center of door. Please contact the National City Fire Department for field placement

6) **FIRE CONTROL ROOM OR RISER ROOM**

All signs shall be of .080-gauge aluminum. All signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red background with white lettering
- Signage letter height – **Fire Control Room** – shall be 2 inches tall
Sign shall be placed in the center of the door at a measurement of 16 inches to center. Measurement shall be taken from the top center of door. Please contact the National City Fire Department for field placement

7) **ELECTRICAL/MECHANICAL ROOMS**

All Electrical and Mechanical Room signs shall be of .080-gauge aluminum. All signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red background with white lettering
- Signage letter height – **Electrical or Mechanical Room**– shall be 2 inches tall
- Sign shall be placed in the center of the door at a measurement of 16 inches to center. Measurement shall be taken from the top center of door. Sign shall be clearly visible from the street. Please contact the National City Fire Department for field placement

8) **ROOF ACCESS**

All Roof Access signs shall be of .080-gauge aluminum. All signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red background with white lettering
- Signage letter height – **Roof Access** – shall be 2 inches tall
- Sign shall be placed in the center of access door. Please contact the Fire Marshal for field placement
- If roof has standpipe, the word “ROOF STANDPIPE” shall also be placed on sign

9) **EMERGENCY POWER**

All Emergency Power signs shall be of .080-gauge aluminum. All signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be white background with black letters. Sign shall describe all additional power shutdowns in clear map form. Map shall describe present position (You Are Here)

- White background with black letters

- Signage letter height – **Emergency Power** – shall be 2 inches tall
- Sign shall be clearly visible from the street. If the power source is inside of the building and can not be seen from the street, a sign shall be placed in a position that can be easily seen by emergency personnel on foot
- Please contact the National City Fire Department for requirements. A detailed plan shall be submitted to the Fire Marshal for approval and final field placement

10) 704: STANDARD SYSTEM FOR THE IDENTIFICATION OF THE HAZARDS OF MATERIALS FOR EMERGENCY RESPONSE

Scope.

This standard shall address the health, flammability, instability, and related hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies

Purpose.

This standard shall provide a simple, readily recognized, and easily understood system of markings that provides a general idea of the hazards of a material and the severity of these hazards as they relate to emergency response. The objectives of the system shall be as follows:

1. (1) To provide an appropriate signal or alert and on-the-spot information to safeguard the lives of both public and private emergency response personnel
2. (2) To assist in planning for effective fire and emergency control operations, including cleanup
3. (3) To assist all designated personnel, engineers, and plant and safety personnel in evaluating hazard. This system of markings shall identify the hazards of a material in terms of the following three principal categories:
 1. (1) Health
 2. (2) Flammability
 3. (3) Instability

The system shall indicate the degree of severity by a numerical rating that ranges from 4, indicating severe hazard, to 0, indicating minimal hazard. The information shall be presented by a spatial arrangement of numerical ratings, with the health rating always at the nine o'clock position, the flammability rating always at the twelve o'clock position, and the instability rating always at the three o'clock position. Each rating shall be located in a square-on-point field (commonly referred to as a diamond), each of which is assigned a color as follows:

1. (1) Blue for health hazard

2. (2) Red for flammability hazard
3. (3) Yellow for instability hazard

Note: Please contact the National City Fire Department for size and field placement

11) HYDROGEN CELL SITE

Hydrogen cell sign at shall be of .080-gauge aluminum. Sign shall be 8 ½ inches wide and 5 ½ inches long. Sign shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.) Color of sign shall be a red background with white letters. Sign shall be in CAPITAL LETTERS:

1ST Line - HYDROGEN CELL SITE

2nd Line - QUANTITY - ??????????

3rd Line - EMERGENCY SHUTDOWN PROCEDURES

- 1
- 2
- 3
- etc

- Signage letter height - (HYDROGEN CELL SITE) – shall be 1 inches tall with a 1/4-inch stroke
- Signage letter height - (QUANTITY) shall be ¾ tall with a ¼ inch stroke
- Signage letter height - (EMERGENCY SHUTDOWN PROCEDURES) shall be ¾ tall with a ¼ inch stroke...1,2,3, etc.

12) FIRE ALARM EQUIPMENT ABOVE

All signs shall be 3 inches wide and 7 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red background with white lettering
- Signage letter height – **Fire Alarm Equipment Above** – shall be 1 inch tall:

1st Line – FIRE ALARM

2nd Line – EQUIPMENT ABOVE

- Please contact the National City Fire Department for field placement

13) DIRECTORY MAP (WAYFINDING)

- Directory map shall be installed in all projects with more than (14) units
- Name of complex
- Buildings with unit numbers
- North directional arrow
- “You are here” reference
- Shall be provided at every entrance
- Located at right side of roadway when possible
- A minimum of (3) feet from the curb
- Shall be illuminated
- All access roads and gates
- A plot plan showing private roads if any
- Fire hydrant locations
- Fire Control Rooms
- Stairwells
- Pump Rooms
- Standpipes
- Roof Access points
- National City Fire Department shall review and approve directory prior to print

14) THIS DOOR BLOCKED

All Blocked Door signs shall be 10 inches wide and 12 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters

- Red background with white lettering
- Signage letter height – **THIS DOOR BLOCKED** – shall be 2 inches tall
- Sign shall be placed in the center of access door. Please contact the Fire Department for field placement

15) **INDOOR SIGNS**

- All signs for indoor use **may exclude** .080-gauge aluminum and may be decal only. Please contact the National City Fire Department for direction

16) **GRASSCRETE/FIRE DEPT. TURN AROUND (Similar layout for both signs)**

Sign shall be of .080-gauge aluminum. All signs shall be 12 inches wide and 18 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters.

- Red background with white lettering
- Lines 1, 2 & 3 - Letter height shall be 2 inches tall
- Line 4 - Letter height shall be 1 inch tall

1st Line - NO PARKING

2nd Line - FIRE LANE

3rd Line - "GRASSCRETE" SURFACE

4th Line - LANE ENDS IN _____ FEET

- Sign support pole: Schedule 40, 2-inch galvanized pipe. Sign must be buried in concrete base 1 ½ feet deep. Sign shall be placed at top of pole. Please contact the National City Fire Department for direction

17) **FIRE DEPARTMENT CONNECTION (FDC) PRESSURE**

Required FDC sign shall also indicate the pressure required at the inlets to deliver the system demand

All signs shall be 3 inches wide and 7 inches long. All signs shall have type IV high intensity prismatic sheeting (H.I.P.) reflective in nature. Protective overlay film shall be required on sign (P.O.F.). Color of sign shall be a red background with white letters. **Sign may also be in metal**

- Red background with white lettering
- Signage letter height – shall be 1 inch tall:

1st Line – AUTOSPKR

2nd Line – Required Pressure (amount)

- Please contact the National City Fire Department for field placement

18) **SIGN SUPPORT POLE**

- Sign support pole shall be schedule 40, 2-inch galvanized pipe. The support pole shall be buried to a depth of 1 ½ feet with concrete base. The support pole shall be large enough to accommodate the sign placed at 7 feet from grade to bottom of sign

Revision: April 3, 2023
A.T