



# **TECHNICAL BULLETIN**

## **PERMIT AND RESOURCE MANAGEMENT DEPARTMENT**

P-3X

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### ***Installation of Gas Piping Under Buildings***

#### **INTRODUCTION**

The California Plumbing Code (CPC) does not allow gas piping to be installed in or on the ground under any building unless installed in gastight conduit. The Code describes the specific installation method to be utilized in this application. The code prescribed method is only for natural gas service. It shall not be used with Liquefied Petroleum Gas (LP-Gas) Service.

#### **TECHNICAL DETAILS**

For LP-Gas piping installed in or on the ground under a building, the following installation methods may be used:

Piping may be installed in a gastight conduit. The conduit shall be made of material approved for installation underground beneath buildings and not less than Schedule 40 pipe. The interior diameter of the conduit shall not be less than ½ inch larger than the outside diameter of the gas piping.

The conduit shall extend to the outside wall of a building, and the outer ends shall not be sealed. The outside end of the conduit must be screened with a minimum 1/4 inch mesh screen.

The termination point must be a minimum 6 inches above grade and shall not be less than 5 feet horizontally away from any opening into a building which is below the discharge end.

Concealed unprotected gas piping may be installed above grade in approved recesses or channels that terminate to the outside similar to the above.

All exposed gas piping shall be kept at least 6 inches above grade or structure as defined in Section 1211.3 of the 1998 CPC.

**GLOSSARY** (Definitions of terms)

**Building or structure:** shall include structures such as porches and steps, whether covered or uncovered, breezeways, roofed Porte-cocheres, roofed patios, carports, covered walks, covered driveways and similar structures or appurtenances.

**REFERENCES** (Code Sections, Construction Handbook Sections)

1998 California Plumbing Code Sections 1211; 1213

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