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CHULA VISTA FIRE DEPARTMENT

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Field Plan Review of Fire Sprinkler System Modifications

Introduction

The Chula Vista Fire Department is introducing a field plan review process to be used on sprinkler system modifications (tenant improvements) of limited scope and complexity. This process will move the plan review into the field, where it will be completed concurrently with system inspection. The field plan review process applies to modifications affecting twenty (20) or fewer sprinklers. This process will also address modifications of five (5) or fewer sprinklers, which previously did not require a plan review. The process will aim to streamline the plan review and inspection process and support tenant improvement construction schedules while ensuring that all sprinkler system modifications are adequately addressed.

Scope Criteria

Field Plan Review of Fire Sprinkler System Modifications is optional on modifications involving twenty (20) or fewer sprinklers and required on modifications involving five (5) or fewer sprinklers.

The project plans and scope will need to meet specific scope criteria as follows:

- ❑ The modification involves twenty (20) or fewer sprinklers.
- ❑ The modification is on a sprinkler system protecting a light hazard or ordinary hazard occupancy.
- ❑ The modification is arranged so that hydraulic calculations are not required (e.g. including but not limited to (a) one fire sprinkler per existing outlet (b) one mechanical tee per branchline (c) similar pipe size and arrangement (d) same K-factor.)
- ❑ The modification does not require changes to seismic bracing.

If plans are not eligible for field review because they do not meet the above criteria, then a full set of plans needs to be submitted for review and additional fees associated with the review will be required. (See application for Fire Sprinkler System – Tenant Improvement.)

Procedure

A *Field Plan Review of Fire Sprinkler System Modifications* application and the associated fees will be submitted to the Chula Vista Fire Department Fire Prevention headquarters office. (Reference *Field Plan Review of Fire Sprinkler System Modifications* application form.) Arrange for inspection when submitting application or by calling 619-691-5055. Inspections are scheduled 72 hours in advance.

The following items must be available for review on the jobsite at the time of inspection:

- ❑ A copy of the plans demonstrating compliance with NFPA 13, 2002 edition, the Chula Vista Fire Department Guidelines for Automatic Fire Sprinkler Systems and the above scope criteria.
- ❑ Legible plans on 8 ½ x 11 sheets (suitable for scanning by the fire prevention office) shall be available at the time of inspection. A TIFF file on CD shall accompany plans when larger than 8 ½ x 11 format. Changes to larger format plans during the inspection will require that as-built plans and a revised TIFF file be prepared and submitted.
- ❑ Product data sheets for all products used in the tenant improvement project as well as product data for existing sprinklers or other material where compatibility may be an issue.
- ❑ The completed *Field Plan Review of Fire Sprinkler System Modifications* application with proof of payment.
- ❑ Access to all work completed as part of the modification.
- ❑ Contractor's Material and Test Certificate for Aboveground Piping.
- ❑ A completed and signed Fire Sprinkler System Pre-Test Verification Form.

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