Residential Fire Sprinkler Systems

Effective October 1, 2019

The El Dorado Hills Fire Department (EDHFD) will be resuming all services related to residential fire sprinkler systems within the El Dorado Hills Fire District jurisdiction\(^1\). This does not currently include the community of Rescue. Residential fire sprinkler systems shall be designed and installed in accordance with Section R313 of the California Residential Code (CRC), National Fire Protection Association (NFPA) Standard 13-D (*Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes*, 2016 edition\(^2\)), and all other applicable design standards required by the EDHFD Fire Code.

**Procedures for the submission of design plans and field inspection requests to the El Dorado Hills Fire Department as of October 1, 2019:**

1. Residential fire sprinkler system plan submissions and field inspection requests shall be made through our website at [www.edhfire.com](http://www.edhfire.com) > Services > Request a Service.


3. The following information shall be added to the cover sheet of all residential fire sprinkler system design plans submitted to EDHFD: **NOTE**: The on-site water supply serving the fire sprinkler system to the dwelling shall be adequately flushed to remove all debris and other potential impediments. The applicant and/or contractor of record shall verify the on-site water supply has been adequately flushed prior to the residential fire sprinkler system being connected to the riser.

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\(^1\) Including the communities of El Dorado Hills and Latrobe.

\(^2\) As amended by the California Fire Code, Chapter 90 (Pages 716-717).
4. Beginning October 1, 2019, all inspection requests shall be made electronically through the following link https://edhfire.com/public-services/request-a-service/request-an-inspection.

5. Inspections of the residential fire sprinkler system shall conform with CRC Section R313.3.8 and as described below:

   a. **Pre-concealment Inspection.** Plugs shall be installed in all sprinkler drops in lieu of sprinkler heads.

   b. **Pre-concealment Inspection.** A hydrostatic pressure test of the residential fire sprinkler system shall be witnessed by a representative of EDHFD. The test shall be conducted at a minimum of 150 pounds per square inch gauge (PSIG) for no less than a 30 minutes duration with no loss in pressure.

   c. **Final Inspection.** All recessed fire sprinkler heads shall have their cover plate removed during this inspection to verify that the head has been properly installed and aligned per the manufacturer specifications and NFPA 13-D.

If you have any questions or require further assistance, please contact our Community Risk Reduction Division staff at 916-933-6623. Thank you.

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**New Inspection Requirements for Dwelling with Fire Sprinklers within El Dorado Hills Fire District’s Jurisdiction**

**Before** a frame inspection can be conducted on a dwelling with fire sprinklers, El Dorado Hills Fire Department must have completed and approved the rough inspection of the fire sprinkler system.

**Before** a final inspection can be conducted on a dwelling with fire sprinklers, El Dorado Hills Fire Department must have completed and approved a fire sprinkler final inspection.

You can schedule these inspections through El Dorado Hills Fire Department website at https://www.edhfire.com/public-services