



# COMAL COUNTY FIRE MARSHAL'S OFFICE

145 David Jonas Dr.  
New Braunfels, Texas 78132

## Fire Sprinkler Plan Submittal Requirements

Fire Sprinkler Systems installed in Comal County shall meet all the requirements of the 2018 International Fire Code, local amendments, as well as all applicable NFPA Standards. All final systems testing and inspections will be witnessed by the Comal County Fire Marshal's Office. The following is check list of information that should be used as an aid and is not intended to cover every code requirement.

\_\_\_\_\_ **Permit Application**

\_\_\_\_\_ **Copy of License current issued by The State of Texas Fire Marshal (1 Copy)**

- \_\_\_\_\_ RME
- \_\_\_\_\_ Contractor/Company
- \_\_\_\_\_ Installers

\_\_\_\_\_ **Submittal Packet (1 Copy)**

- \_\_\_\_\_ System Design Description
- \_\_\_\_\_ Building information to include hazard type and construction type
- \_\_\_\_\_ Manufacturer's Product Information Sheets of Listed Devices and Equipment
- \_\_\_\_\_ Hydraulic Calculations
- \_\_\_\_\_ Friction Loss Calculations
- \_\_\_\_\_ Piping and fittings specifications
- \_\_\_\_\_ Riser Diagram and specifications
- \_\_\_\_\_ List of materials

\_\_\_\_\_ **1/8" Scaled Plans (2 Copies)**

- \_\_\_\_\_ Site Plan with hydrant locations and distance and main sizes
  - \_\_\_\_\_ Legend with appropriate sprinkler head specification
  - \_\_\_\_\_ North Arrow
  - \_\_\_\_\_ Floor Plans Drawn that are free extraneous information
  - \_\_\_\_\_ All Rooms Labeled for intended use to include dimensions
  - \_\_\_\_\_ Hanger Details
  - \_\_\_\_\_ Full Height cross section of each floor
  - \_\_\_\_\_ Location of partitions and fire walls
  - \_\_\_\_\_ Total number of heads for each riser per floor
  - \_\_\_\_\_ Location of risers
  - \_\_\_\_\_ Location of all piping sizes
  - \_\_\_\_\_ Location of 2 1/2" – Siamese FDC
  - \_\_\_\_\_ Location of alarm bell
  - \_\_\_\_\_ Capacity dry pipe or anti-freeze systems
  - \_\_\_\_\_ All labeling and signage posted in accordance with NFPA 13, 13D, 13R
  - \_\_\_\_\_ System Designers Stamp with Wet Signature
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\_\_\_\_\_ **Modification Permit (up to 20 heads)**

- \_\_\_\_\_ Permit Application
  - \_\_\_\_\_ Copy of Licenses
  - \_\_\_\_\_ Plans 1/8" scale, 2 copies, stamped and wet signed
  - \_\_\_\_\_ Legend showing existing, relocated additional or plugged heads or lines devices
  - \_\_\_\_\_ Cut sheets for each new device or piece of equipment
  - \_\_\_\_\_ Indicate hazard type for area served
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\_\_\_\_\_ **Underground Requirements (Fire Line)**

- \_\_\_\_\_ Permit Application
  - \_\_\_\_\_ Copy of License certifying such work
  - \_\_\_\_\_ Plans- 1/8 scale, 3 copies, stamped and wet signed
  - \_\_\_\_\_ Foot print of facility
  - \_\_\_\_\_ Nearest Hydrant
  - \_\_\_\_\_ Fire line detail (depth and pipe sizes)
  - \_\_\_\_\_ Thrust blocking
  - \_\_\_\_\_ Location of pit or vault
  - \_\_\_\_\_ FDC and Riser
  - \_\_\_\_\_ Flow Test Data
  - \_\_\_\_\_ Cut sheets for all material used
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\_\_\_\_\_ **Required Inspections**

- \_\_\_\_\_ Underground Visual (all joints and connections)
  - \_\_\_\_\_ Underground Hydro (200 psi- 2 hrs)
  - \_\_\_\_\_ Above Ceiling Visual (prior to covering any pipe)
  - \_\_\_\_\_ Above Ceiling Hydro (200 psi- 2 hrs)
  - \_\_\_\_\_ Final Acceptance
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Plans review process may take up to 10 working days. Incomplete plans may require that the plans be resubmitted. System acceptance inspections are required and should be called in at least 24 hours prior to requested inspection times. A re-inspection fee of \$30.00 will be assessed on systems that are not in complete compliance with all applicable codes. All devices will be tested in an approved manner.

INSTALLATION/MODIFICATION PERMIT AND AN APPROVED SET OF PLANS SHALL REMAIN AT THE JOB SITE AND PROVIDED TO INSPECTORS WHEN REQUESTED.