



SPRINKLER SUBMITTAL REQUIREMENTS

KELLER FIRE-RESCUE FIRE MARSHAL'S OFFICE

To expedite the plan review and inspection processes, please refer to the information listed below. Keller Fire-Rescue is governed by the 2021 International Fire Code as amended and adopted. Your submittal shall conform to that, and most current editions of NFPA 13, 13D and /or 13R as applicable. Submittal requirements apply to both commercial and residential installations.

Submittal Requirements:

1. Plans with a "Wet" RME signature and stamp, as required by the 2021 IFC Section 106.2.1.
2. Copy of Executed contract for project.
3. Scope of work letter
4. Manufacturer's data sheets for all components used in the project including manufacturer's parameters and listing organizations approval
5. Owners Certificate (new installations)
6. Hydraulic Calculations
7. Flow Data

Plans Shall Include:

8. A "Wet" RME signature and stamp is required on all plan drawings and calculations
9. Plans shall be clear and legible and all sheets shall be in a common and appropriate scale. Digital PDF of the Plan shall be submitted and include:
 - a. Floor plan
 - b. Square footage
 - c. Location of doors
 - d. Intended use of each room is identified
 - e. North arrow provided
 - f. Location of the Fire Department Connection (FDC) 5" Storz with a 30° downturn (if an FDC is required.) Remote FDC's shall have a 42" x 42" concrete pad below each connection. [Reference 2021 IFC Section 507.5.1.2 as Amended and Adopted]

10. Proposed Backflow shall be a DCDA or approved equivalent

11. Occupancy classification
12. Scope of Work
13. Site plan to include the all fire hydrants, fire lanes, fire department connections and the fire service lead-in
14. City Approved Civil Drawings (Commercial Projects)
15. Equipment List
16. Hydraulic calculations for each design area
17. Full set of data specifications sheets for all equipment shall be provided
- 18. Specific materials in the specification booklet are to be identified by an arrow or highlighter**
19. A complete full-height cross section of the building
20. Area of coverage of each sprinkler head
21. Total area protected by each system
22. Capacity of the dry system or antifreeze system
23. Hydraulic node symbols and schedule
24. Indicate all Riser Nipples (RN) or Drop Nipples (DN)

25. Elevations of sprinkler lines and node points
26. Hanger details
27. Hanger locations
28. Sprinkler riser diagram
29. Inspectors test connection detail
30. Auxiliary drain details
31. Size and location of standpipe hose stations, if applicable
32. Graphical scale
33. Description of the design area
34. Design density of each design area
35. Clearly indicate each remote area
36. Provide graphic representation of the water flow analysis
37. Provide the water supply test information that is site specific(test information shall not be older than six (6) months prior to the plan submittal date)
38. Provide notes to indicate the following;
 - a. Design code
 - b. Responsible party with regards to freeze protection; If to be provided by others, indicate and provide drawings to indicate the heaters with your submittal
39. The title block shall contain the following;
 - a. Location of the installation
 - b. Name and complete address of the business
 - c. Name and complete address of the installing company
 - d. Licensing information
 - e. "Wet" signature of the RME
 - f. Date
 - g. Drawn by
 - h. Authority Having Jurisdiction
 - i. Scale
40. A legend shall be provided to include;
 - a. Symbol, sprinkler description, manufacturer, model number, and quantity for each device
 - b. Pipe and fittings type

<http://www.cityofkeller.com/services/fire-rescue/fire-prevention/permits/plan-review-submittal>

General Requirements.

Installation, fabrication or otherwise construction of the system is prohibited without approved plans and permit. The minimum fine for installation without a permit is \$250.00. Each submittal shall have a completed Keller Fire-Rescue Plan Review/Permit Application.

Plans approved by the Fire Marshal's Office give authorization for construction. Final approvals are subject to field verification. Any approval issued by the Fire Marshal's Office does not release the contractor or property owner from the responsibility of full compliance with all applicable codes and ordinances relating to the construction project.

All installations must concur with the approved plans. **Any deviation from the approved plans requires a re-submittal to the Fire Marshal's Office.**

All fire department inspection forms and permits shall be kept in a permit packet on the job site until final Inspection has been issued a "Pass".

Failure to correctly submit all the required documents at “first” submittal will require a re-submittal. Additional Plan Review fees will be due at the second submittal and any subsequent re-submittal.