



FIRE SPRINKLER SUBMITTAL

To expedite the plan review and inspection processes, please refer to the information listed below. The City of Port Aransas is governed by the 2015 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. Provide a copy of your State of Texas State Fire Marshal's Office license.
2. A "Wet" RME signature and stamp is required on all plan drawings and calculations.
3. Plans shall be clear and legible and all sheets shall be in a common and appropriate scale.
4. A minimum of three (3) sets of hard copy plans. Plans shall contain sufficient detail to enable the plan reviewer to accomplish a complete review. The following information shall be provided on the plans;
 - 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. Occupancy classification.
6. Scope of Work.
7. Site plan to include the all fire hydrants, fire lanes, fire department connections and the fire service lead-in.
8. Equipment List.
9. Hydraulic calculations for each design area.
10. A minimum of one (1) set of data specifications sheets for all equipment shall be provided.
11. Specific materials in the specification booklet are to be identified by an arrow or highlighter.
12. A complete full-height cross section of the building.

13. Area of coverage of each sprinkler head.
14. Total area protected by each system.
15. Capacity of the dry system or antifreeze system.
16. Hydraulic node symbols and schedule.
17. Indicate all Riser Nipples (RN) or Drop Nipples (DN).
18. Elevations of sprinkler lines and node points.
19. Hanger details.
20. Hanger locations.
21. Sprinkler riser diagram.
22. Inspectors test connection detail.
23. Auxiliary drain details.
24. Size and location of standpipe hose stations, if applicable.
25. Graphical scale.
26. Description of the design area.
27. Design density of each design area.
28. Clearly indicate each remote area.
29. Provide graphic representation of the water flow analysis.
30. Provide the water supply test information (test information shall not be older than 12 months prior to the plan submittal date).
31. 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.
32. 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.

33. A legend shall be provided to include;

- a. Symbol, sprinkler description, manufacturer, model number, and quantity for each device.
- b. Pipe and fittings type.

34. Completed Flow Data Sheet (available on the website).

General Requirements

Installation, fabrication or otherwise construction of the system is prohibited without approved plans and permit. 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 resubmittal 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.