

■ Hydraulic Calculations

At Fire Design Associates (FDA) we don't just draw Fire Sprinkler Layouts. Our team provides NFPA compliant hydraulic calculations to verify adequate water pressure and flow. These are tailored to the unique demands of each project. We can provide Hydraulic calculations to your drawings also with no need to for us to do the actual design of the plan.

■ Why This Matters

- a) Code Compliance: Authorities require proof that systems meet NFPA 13, 13R and 13D water demand.
- b) System Reliability: We confirm the sprinkler system will deliver sufficient water at the most remote area and potentially other demanding points in the building
- c) Optimized costs: Accurate Calculations prevent oversized pipe or Fire Pump requirements, potentially saving thousands in unnecessary material and equipment
- d) Expertise in complexity: Whether its high-rise standpipes (NFPA 14), fire pumps (NFPA 20), or residential layouts, our calculations are tailored for your system.