

## **Thurston County Development Services Fire Alarm Requirements**



### **Fire Alarm System Requirements**

1. Prepare separate floor plans to reflect only fire alarm related elements.
2. Clearly state the occupancy classification of each area of each floor.
3. Specify all codes and standards, by edition, followed in the design phase.
4. Specify the exact “system type” being planned.  
(Local, central station, remote station, auxiliary, proprietary, or residential).
5. Adequately label each room and area to depict its intended use.  
(Identify any room or area that might be considered a high-hazard).
6. If the plan are for additions to an existing system, clearly show all existing fire alarm related elements that will remain in place.
7. Clearly mark plans when building is a “high rise.”  
(Buildings with 4 or more floors are considered mid-rise. These buildings are required to have a high rise style of alarm system).
8. In assembly occupancies show the occupant load calculations.  
(conference rooms, training rooms, lunch rooms etc.)
9. Indicate all fire alarm related elements, even if not being interconnected.  
(Fire pumps, generators, sprinkler valves, air handling units (w/CFM), elevator rooms, wet and dry suppression systems, smoke doors with hold open and releases etc.).
10. Describe and/or diagram unusual ceilings that will have smoke detection.
11. Provide the listed spacing and coverage specifications for each make and model of smoke detector.
12. Fire Alarm systems shall include provisions for alarm panel annunciation with reset capability. The annunciator shall be located on ground floor.