



Buckeye Fire Department
Fire Prevention Division

Final Fire Alarm System Inspection

1. Provide NFPA 72 Report. Report shall be completed and emailed to Buckeye Fire Marshall NRyan@Buckeyeaz.gov prior to scheduling final fire alarm inspection. Final fire inspection shall not be conducted without this documentation. This documentation is found in NFPA 72. Inspection shall be scheduled by the fire alarm contractor.
2. Verify the installing contractor has a valid City of Buckeye Fire Department "Fire Equipment Contractor Permit" and "On Site Competent Person" with documentation. No fire inspections will be conducted until permit is obtained and competent person documentation is provided.
3. Consult approved plans.
4. Verify the proper location, type, and candela of all fire alarm notification appliances.
5. Observe the fire alarm system functional tests of all fire alarm devices, including duct smoke detectors.
6. Verify that ALL notification appliances are synchronized within the same compartment or area.
7. Observe activation test of fire alarm system notification appliances, including electric bell on fire sprinkler system water flow through inspector's test valve. All alarms shall activate in ninety seconds or less with the flow switch adjustment setting on or greater than "B".
8. Observe activation test of fire sprinkler control valve tamper switches. On activation of the tamper switch a supervisory signal shall be received at the fire alarm control panel.
9. If a kitchen hood extinguishing system is installed; then observe function tests of fire alarm system notification appliances on kitchen hood extinguishing system activations.
10. Verify the following from all tests;
 - a. Measure decibel reading of audible appliances five feet above finish floor in the center of the room. Decibel reading shall be 15 dBa above ambient noise level and 5 dBa above peak sound levels lasting sixty seconds or more.
 - b. Verify proper voltage drop. (PROVIDE a voltage meter at inspection).
 - c. Verify a Class 'A' fire alarm system is installed.
 - d. Verify the proper size of the batteries and verify that batteries are date marked with; month/year
 - e. Verify duct detectors provide the following; unit shuts down on activation of the duct detector, on activation of the duct detector a supervisory signal shall be received at the fire alarm control panel, and if a ceiling is installed, then LED provided at ceiling level operates when duct detector is activated.



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- f. Observe a twenty four hour stand by battery power test. Electrical breaker that provides power to the fire alarm control panel shall be turned off twenty four hours prior to this test. At the end of the twenty four hours an audible test shall be conducted for five minutes.
- g. Verify that the fire alarm control panel and electric bell power circuit breakers are secured (with breaker locks), identified on electric panel schedule, and are designated power circuit breakers.
- h. Verify fire alarm control panel and power circuit breaker number and electrical panel location is identified inside or near the fire alarm control panel.
- i. Verify that all signals are received at the fire alarm control panel.
- j. Verify that all signals are received at the annunciator, if applicable.
- k. Verify that all signals were received at the off-site, third party UL listed monitoring agency. A fire alarm system monitoring activity report shall be emailed to the Buckeye Fire Marshall at NRyan@Buckeyeaz.gov after completion of final testing. Monitoring activity report shall include twenty four hour battery power fault.