Utah Tech University Fire Marshal’s Checklist of Required Inspections

1. Thrust block visual
2. Visual inspection of fire main prior to backfilling
3. Hydrostatic Test of Fire Main
4. Fire Main Flush Test
5. Contractor’s Material and Test Certificate for Underground Piping
6. Visual inspection before covering up sprinkler pipes
7. Hydrostatic test on FDC
8. Hydrostatic test on sprinkler pipe
9. All tampers wired and functioning
10. Sprinkler acceptance tests (including 60 Second flow alarm from inspectors test)
11. Accurate record drawings approved by UT Facilities (2 hard copies of Record Drawings of fire sprinkler system)
12. Contractor's Material and Test Certificate for Aboveground Piping
13. Visual inspection before covering up with sheetrock
14. All devices labeled with addresses
15. 48 hour and 10 minute back-up battery test
16. 100% test documentation (printed out from FACP Panel)
17. Fire Alarm acceptance test
18. Fire Alarm System Record of Completion
19. Accurate record drawings approved by UT Facilities (Includes 2 hard copies and 2 electronic [CAD format] of Record Drawings and Fire Alarm Maps
20. Printout of Fire Alarm Program
21. Electronic copy of fire alarm panel program (CAD format)
22. All Fire/Smoke dampers tested, and accesses provided
23. All fire rated assemblies intact, with all penetrations sealed
24. All circuit breaker lock-outs for detectors in place
25. All lock cylinders keyed to Fire Marshal’s Master key
26. Emergency egress lighting tested with power shut off to building
27. Exit lights tested with power shut off to building
28. Acceptance test on back-up generator performed and witnessed by UT Fire Marshal
29. Utah State Fire Marshals Licensees and Certifications are required for Fireworks, Special Effects Operators-Pyrotechnics, Flame Effects, Fire Artisans, and the selling, installing servicing repairing, modifying, testing and inspections of Fire Extinguisher/ Sprinkler/Alarm and Suppression Systems on UT property and for campus events

Required inspections:

- **THRUST BLOCKS** for fire mains require a visual inspection and shall be installed per NFPA 13 section A.10.8.2.
- **FIRE MAINS** require a visual inspection, and shall be buried to a depth of 5 1/2 feet to the top of the main. Fire mains shall be laid in 6 inches of pea gravel. A contractor's material and test certification for underground piping shall also be submitted at this time.
- **FLUSH TEST** Fire mains shall be flushed at a minimum of 10 ft./second, and shall be witnessed by the Fire Marshal's office.
- **HYDROSTATIC TESTS** All fire mains and sprinkler pipe systems shall be hydrostatically tested to 200 lbs. for 2 hours, and witnessed by the Fire Marshal’s office.
- **FIRE ALARM CONDUIT** All fire alarm conduits shall be visually inspected by the Fire Marshal's office, prior to being concealed by sheetrock or other construction material.
- **FIRE SPRINKLER PIPE** All fire sprinkler piping shall be visually inspected by the Fire Marshal's office prior to being concealed by sheetrock or other construction material.
- **GENERAL ACCEPTANCE TESTS** All acceptance tests, including sprinkler systems, fire alarm systems, emergency backup generators, emergency egress lighting, exit lighting, and all other life/safety items shall be inspected by the Fire Marshal's office.