



Q&A for Construction and Operational Permits

What permits are required?

- A. Operational - allows the applicant to conduct an operation or a business for either a specified length of time or until renewed or revoked.
- B. Construction - allows the applicant to erect, install, or modify a structure, fire protection system, or fire alarm system.
- C. Oil and gas well drilling.
- D. Fireworks – Stands, displays/shows

What needs to be submitted for a construction permit?

- A. Approved Development Permit from Planning
- B. A minimum of three sets of drawings are to be submitted. (2 hard copies, 1 digital copy)
- C. Plans to be either blue or black line drawings, clear and legible.
- D. Plans shall include interior walls and rooms, with the use of all rooms identified on plan.
- E. All submittals shall include a site plan. (three copies)
- F. Site plan shall include building orientation, fire lanes, fire hydrants, and access.
- G. Only one set of specification/submittal book for fire alarm or calculations is required.
- H. Type of construction and occupancy classification shall be indicated.
- I. All submissions shall be signed by a certified design professional.
- J. List of sub-contractors with a copy of their licenses.

What inspections are required?

- A. Fire sprinkler underground:
 - a. Visual - all underground piping and joints must be exposed, with the labeling of the pipe legible from grade. All thrust blocks uncovered and exposed to grade.
 - b. Hydrostatic test - minimum of 200 psi for two hours. No pressure drop allowed. Testing is from the gate valve to the top of the spigot.
 - c. Flush - must be witnessed by the Fire Marshal's office. Flushing must be completed prior to stacking the riser to the overhead piping.
- B. Fire sprinkler above ground:
 - a. Verify completion of underground inspections before stacking riser.
 - b. Hydrostatic test - minimum of 200 psi for two hours. No pressure drop allowed.
 - c. System must be uncovered and visible from the floor.



- d. All ceiling grid and framing must be in place with all drops cut to length and sprinkler heads installed.
 - e. A hydrostatic test is required for all new installations and for tenant finish-outs or alterations where 20 heads or more are added, moved or modified.
 - f. Cold weather protection:
 - i. Where any aboveground sprinkler system piping is in an area that is subject to temperatures below 40 degrees Fahrenheit, proper freeze protection is required. A minimum temperature of between 40 degrees and 120 degrees Fahrenheit shall be maintained.
 - ii. For shell buildings that do not have a permanent heat source, a temporary heat source is required in all areas leased or un-leased between the months of November through March.
- C. Automatic fire alarm systems: (Conducted at Time of the Fire Final)
- a. All initiating and signaling devices will be tested and inspected.
 - b. All fire alarm systems are required to be monitored by a UL listed Central Station.
- D. Kitchen Hood:
- a. Manual pull, utility shunt, air test, and exhaust and make-up air are tested.
 - b. Fire alarm notification.
 - c. K-Class extinguisher within 30 feet of any cooking appliance.
- E. Final Fire Inspection: Required On-Site at Final Inspection
- a. All Construction Approved & Stamped Drawings from Denton County
 - b. Labeling & Door Identification (Electrical, Mechanical, Sprinkler Riser, Fire Alarm Control Panel, Room etc.)
 - c. Building or Suite Address on Front & Back Doors (where applicable)
 - d. Emergency Exit Door Identification and Locking Requirements (Lock Indicator, Panic Bar, etc.)
 - e. Exit and Emergency Light Illumination
 - f. Fire Wall Marking and Integrity “____ HOUR FIRE AND SMOKE WALL...PROTECT ALL PENETRATIONS”
 - g. Electrical Work and Workmanship (open boxes, panel labeling, securing raceways, switch covers, etc.)
 - h. GFCI & ARC Fault Protection throughout (where applicable)
 - i. Clearance Around Electrical and Life Safety Systems and Housekeeping Issues
 - j. Fire Lane Marking and other Fire Service Features (where required)
 - k. All Vendors Approved & Stamped Drawings (Sprinkler, Fire Alarm, Hood Suppression, etc.) from P.I.D.
 - l. All Vendors Valid Licenses and Proof of I.D.
 - m. Hand Portable Extinguishers (Size & Placement)



- n. Knox Box location, installation and size compliance at the sprinkler riser room, main entrance & elevator lobbies (where applicable)
- o. Sprinkler Work (if applicable) with SFMO Material Certification Forms (SF-041 & SF-042)
- p. Fire Alarm and/or Notification Work (if applicable) with SFMO Material Certification Form (SF-035)
- q. Hood Ventilation and Suppression Work (if applicable) with SFMO Material Certification Form (SF-205)
- r. HVAC Testing with Smoke Bomb (if applicable – HVAC smoke detector is required for any unit over 5 ton or over 2000 cfm on the return side – must be tied into the fire alarm system or if no alarm, then provide w/annunciator panel in a visible location)