



Chandler Fire, Health & Medical

General Notes to the Contractor



Construction

- **Fire Department vehicle access roadways shall be provided and maintained throughout construction.** Temporary access roads shall have an unobstructed width of not less than 20' and an unobstructed vertical clearance of no less than 15' constructed of 6" compacted AB, gravel or other approved materials. No trenching across Fire Access roads.
- **Permanent fire vehicle access roadways** shall have an unobstructed width of not less than 20' exclusive of shoulders, except for approved security gates in accordance with Section 503.6 of the 2015 IFC, an unobstructed vertical clearance of not less than 15' constructed of an all-weather surface. **If hydrants are placed in the access road, the width shall be an unobstructed width of not less than 26' constructed of an all-weather surface.**
- Approved fire flow and water supply shall be provided and maintained throughout construction. **Prior to any combustibles being brought on site, an APPROVED water supply shall be available.**

Plans; Building & Systems

- One set of stamped, approved drawings shall be maintained on-site and made available to City Inspectors on demand.
- Any work (Installation, Inspection, Testing or Maintaining) conducted on Fire Protection Systems shall be done by a contractor licensed to perform such work by the State of Arizona, and is currently on the Chandler Fire, Health & Medical Department List.
- All construction, modifications or installation shall comply with nationally recognized Codes and Standards, and the City Codes.
- Fire sprinkler system installed in accordance with Fire Code, NFPA 13, and City of Chandler Codes.
- Fire Alarm Systems shall be installed in accordance with Fire Code, NFPA 72 and City of Chandler Codes.
- Standpipe & Hose Systems shall be installed in accordance with Fire Code, NFPA 14 and City of Chandler Codes.
- Wet Chemical Extinguishing Systems shall be installed in accordance with Fire Code, NFPA 17A and City of Chandler Codes.
- Fire Department Connections (FDC's) for Fire Code, Building Code and NFPA 13 fire sprinkler systems shall be 2 and 1/2" female swivels with National Standard Threads (NST). **NO FDC' shall be located on the buildings** (except as approved by the Fire Marshal or in the Downtown Development Area per FD144). With respect to hydrants, driveways, buildings and landscaping, FDC's shall be so located that fire apparatus and hose connected to supply the system will not obstruct access to the buildings for other fire apparatus. The location of Fire Department connections shall be located on private property six (6) to ten (10) feet behind curb (of street) at a permanent entrance to site or as otherwise approved by the Fire Chief.
- All Fire Department Hose connections and Standpipe hose connections for Fire Department use shall be 2 and 1/2" National Standard Threads. **No hose shall be attached to the Fire Department Hose Stations.**
- Residential (multi-family) - all private shared domestic and residential fire line mains shall have a reduced pressure backflow installed per COC Detail C-315.
- FDC's for NFPA 13R sprinkler systems shall be single female swivels with 1 and 1/2" National Standard Threads.
- Fire Alarm Rooms & Fire Sprinkler Room shall be signed in accordance with FD106 and zone maps for Fire Alarms & Sprinkler Systems shall be placed at each location (i.e. panel and riser).

Mailing Address
Mail Stop 801
PO Box 4008
Chandler, Arizona
85244-4008

Chandler Fire, Health & Medical

Telephone (480) 782-2120
Fax (480) 782-2125
Web www.chandleraz.gov/fire

Location
151 E. Boston Street
Chandler, Arizona
85225

Tenant Improvement Projects

Any modifications to existing fire protection systems shall be submitted for plan review and permits to the Transportation and Development Department. Plans shall be reviewed, approved, permit issued and on site prior to work beginning.

Inspections

HEADS	SPRINKLER SYSTEM TEST REQUIRED
9 or <	A visual inspection only is required
10 - 19	50 psi above normal static pressure for 15 minutes
20 or >	50 psi above normal static pressure for 2 hours
All new systems	Per NFPA 13

The contractor shall provide the City Inspector with copy of: the "Contractor's Material and Test Certificate For Aboveground Piping" in accordance with NFPA 13; and the "Contractors Material & Test Certificate for Underground Piping" in accordance with NFPA 24; and the "Certificate of Compliance" for fire alarm systems in accordance with NFPA 72, upon successful completion of the system test and prior to City acceptance of the system.

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