

**CITY OF NORTH LAS VEGAS
BUILDING AND FIRE SAFETY GENERAL NOTES
FIRE SPRINKLER**

1. The installation and maintenance of sprinkler systems shall be in accordance with the applicable National Fire Protection Association (NFPA) Standard; NFPA 25, 2016 Edition - Inspection, Testing, and Maintenance of Water Based Fire Protection Systems; and the International Fire Code, 2018 Edition, Chapter 9 – Fire Protection Systems; (as amended and adopted on August 15, 2018 by the City of North Las Vegas). Check all applicable boxes.
 - NFPA 13, 2016 Edition – Installation of Sprinkler Systems
 - NFPA 13R, 2016 Edition – Residential Occupancies Up to 4 Stories in Height
 - NFPA 14, 2016 Edition – Standpipe and Hose Systems
 - NFPA 20, 2016 Edition – Stationary Pumps for Fire Protection
 - NFPA 24, 2016 Edition – Private Fire Service Mains and Their Appurtenances
 - Other _____

All hydrostatic testing of systems and flushing of underground systems is required to be witnessed by a representative of the authority having jurisdiction. The authority having jurisdiction, the North Las Vegas Building and Fire Safety Division, Fire Safety Section, shall be notified at least 24 hours before any test or inspection. All portions of the automatic sprinkler system shall be installed, tested, and flushed by a company licensed by the Nevada State Fire Marshal's office to perform this work.

2. If any fire area in a building or structure is provided with fire sprinklers, whether required or not, all fire areas in the building or structure shall be provided with fire sprinklers except as permitted by IFC Section 903.2 or where specific sections of NFPA Standards permit the omission of sprinklers. ***IFC § 903.2 as amended.***
3. Fire Department Connection(s) (FDC) shall be located within 100 feet of a fire hydrant and shall be located on the street side of buildings, fully visible and recognizable from the street or nearest point of fire department vehicle access. FDC shall not be closer than 3 feet to any door or window opening and shall not be obstructed by trees, shrubs, parking spaces, walls or any other fixed or moveable object. A 3-foot clear space shall be maintained around the FDC inlets. FDC inlets shall be located not less than 18” above finished grade and not more than 48” above finished grade.
4. All valves controlling the water supply for automatic sprinkler systems, pumps, tanks, water levels and temperatures, critical air pressures and water-flow switches on all sprinkler systems shall be electrically supervised by a listed fire alarm control unit except as permitted by ***IFC § 903.4 as amended.***

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5. Building use(s): _____
Hazard classification(s): _____
Density(ies): _____ gpm/sq.ft.
Area reduction for Quick Response heads based on a ceiling height x=_____ft.
 $Y = -3x/2 + 55 =$ _____% reduction allowed (maximum 40%)
Total number of sprinklers flowing: _____ (minimum 5 sprinklers)
Nominal "K" Factor (s): _____
Thread types: _____ in. NPT
Maximum design spacing: _____ sq. ft. per head

6. Pipe types used (black steel unless noted otherwise):
1" – 2" Threaded pipe type: _____
1¼" – 4" Welded/Grooved pipe: _____
6" – 8" Welded/Groove pipe: _____
Other: _____

7. Water flow information: (conducted within 6 months prior to working plans submittal)
Static Pressure: _____ psi
Residual Pressure: _____ psi
Pitot Pressure: _____ psi
Outlet Size: _____ in. Number flowing: _____
Total Flow: _____ gpm
Date & Time: _____
Witnessed By: _____

8. Concealed Work: Fire sprinkler piping shall not be covered up by walls, sheetrock, ceiling tiles, etc. until after fire sprinkler rough & hydro inspections are signed off by the fire inspector. Piping that is covered or concealed prior to inspection signoff shall be exposed for inspection in accordance with **IFC § 106.3**.

9. Provide a detailed narrative describing the scope of work to be conducted associated with the plans.