

FIRE PERMIT APPLICATION

Application Date: _____

Project Address: _____

Owners Name: _____ Phone Number: _____

Contractors Name: _____ Phone Number: _____

Sprinkler Design/Installer: _____ Email: _____

- ☐ **Final Approval:** Final approval and issuance of building permit to come from the City of Woodland Hills Building Department.
Final acceptance of the installed fire and life safety systems will be based upon field inspections and testing in accordance with the applicable standards.
- ☐ **Occupancy Prohibited Before Approval:** The building or structure cannot be occupied prior to the City of Woodland Hills Fire Department issuing a permit that indicates that applicable provisions of the Fire Code have been met. [IFC 105.3.3]
- ☐ **Hydrants:** If any portion of a buildable area or structure is in excess of 150' from the road frontage to the rear of the buildable area or structure as determined by the City Engineer and/or the City Fire Chief, the developer or owner shall provide on-site fire hydrants and mains supplying required fire-flow according to City Code 10-17-1, which states:
 - A. Fire hydrants shall be installed according to the standard detail for fire hydrants as contained in the Woodland Hills City Development and Construction Standards.
 - B. Fire hydrants shall be six (6)-inch water cast iron Muller Modern Construction or approved equal and conform to Specification C-502-64 of the American Water Works Association, including a six (6)-inch gate valve and valve box complete for a four-foot six-inch (4' -6") trench with one (1) four and a half (4-1/2) inch streamer nozzle and two (2) two and a half (2-1/2) inch hose nozzles. Hydrant shall open to the left and be frost proof. The threads shall be National Standard Fire Hose Thread. All outlets will have a national standard thread and the hydrant shall be red in color.
 - C. Fire hydrants shall be located according to the following requirements:
 1. For any continuous or through street, the minimum number of fire hydrants available to a building shall not be less than one (1) hydrant per five hundred (500) feet and the maximum distance from any point on a street or road frontage to a hydrant is two hundred fifty (250) feet as measured along the right-of-way. On cul-de-sacs or dead-end streets or roads, the spacing between hydrants shall be four hundred (400) feet and the maximum distance from any point on a street or a road frontage to a hydrant shall be two hundred (200) feet as measured along the right-of-way.

2. If the rear of the building or structure is located within one hundred fifty feet (150') from the road frontage, measured along the driveway, no additional hydrants are required to be installed.

3. If the rear of the building or structure is in excess of one hundred fifty feet (150') from the road frontage, measured along the driveway, the following requirements shall apply:

a. If any portion of a building or structure is in excess of one hundred fifty feet (150') from the road frontage to the rear of the structure as determined by the City Engineer and/or the City Fire Chief, the builder or lot owner shall provide on-site fire hydrants and mains supplying required fire flow according to the following cases:

Case 1- If the rear of the building or structure is located between one hundred fifty feet (150') and two hundred feet (200') from the road frontage, as determined by the City Engineer and/or the City Fire Chief, an on-site fire hydrant shall be provided at the driveway entrance of said building or structure.

Case 2- If any portion of a building or structure is greater than two hundred feet (200') from the road frontage, as determined by the City Engineer and/or the City Fire Chief, an additional on-site fire hydrant shall be provided along the driveway as well as an approved fire apparatus (fire truck) turnaround and driveway. The turnaround and driveway shall be an all-weather surfaced roadway not less than twenty feet (20) wide, with a minimum vertical clearance of thirteen (13) feet six (6) inches and constructed according to driveway standards. Approved turnarounds consist of bulb turnarounds not less than eighty feet (80') in diameter or a hammerhead turnaround with front and rear turning points not less than thirty-two feet (32') in length.

4. New Subdivisions: Prior to final plat approval, a developer shall identify on the final plat all lots and placement of fire hydrants as required by this section.

5. Existing Subdivisions: Issuance of a building permit is contingent on the builder or owner complying with the provisions of these requirements.

6. The lot builder/owner or developer, through a licensed professional engineer licensed in the State of Utah, shall demonstrate that a minimum fire-flow rate of one thousand five hundred (1,500) gallons per minute is available at each hydrant required in this Section and that this flow can be sustained a minimum of two (2)-hours for a total of one hundred eighty thousand (180,000) gallons.

(Ord. 2021-10, 5-25-2021)

- The owner or developer, through a licensed professional engineer licensed in the State of Utah, shall demonstrate that a minimum fire-flow rate of 1,500 gallons per minute is available at each hydrant required in this Section and that this flow can be sustained a minimum of 2-hours for a total of 180,000 gallons.

Contractor to verify that fire hydrant is located within the distances for the residence, as stated above.

- ☐ **NOTE:** Water supplies for fire hydrant system are required to be installed and made serviceable prior to and during the time of construction. [IFC 501.4]
- ☐ **Marking of Fire Hydrants:** Fire hydrants must be clearly identified to prevent obstruction by parking and other obstructions. Fire hydrant locations must be identified by the installation of reflective markers and flags. [IFC 503.3]

- **Premises Identification:** All residents and buildings must have approved address numbers, building numbers, or approved building identification placed in such a position as to be plainly visible and legible from the street or road fronting the property. Address numbers must contrast with their background and be Arabic numerals or alphabet letters. Numbers and characters must be a minimum of 4 inches in height, with a ½ inch stroke. [IFC 505.1] Location to be approved by the Zoning Enforcement Officer.
- **Combustible Roofing Material:** Roofing materials must be non-combustible and approved by the City of Woodland Hills Fire Department. No wood shake roofing material will be permitted.
- **Automatic Fire Sprinkler System:** Dwelling must be constructed with a fire sprinkler system installed. Fire sprinkler design and installation to be in compliance with NFPA-13D and as modified by the City of Woodland Hills Fire Department. The City of Woodland Hills Fire Department requires garages to be sprinklered and a third-party review.
- **Automatic Fire Sprinkler Systems in Homes/Garages with Antifreeze Additives:**
All dwellings, guest houses, or out-buildings constructed and/or altered with an antifreeze additive, must be installed in accordance with the following and as approved by the City of Woodland Hills Fire Department:
 - **Antifreeze Limitations:** Antifreeze used in a new and/or altered automatic sprinkler system installed in accordance with NFPA 13 D may not exceed a maximum concentration of 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may not exceed 150 gallons. [Utah State Amendment-IFC 903.1.1]
 - **Antifreeze Tag Information:** A tag shall be attached to the riser indicating the date the antifreeze solution was tested. The tag shall also indicate the type and concentration of antifreeze solution by volume with which the system is filled, the name of the contractor that tested the antifreeze solution, the contractor's license number, and a warning to test the concentration of the antifreeze solutions at yearly intervals.
[Utah State Amendment IFC 903.5.1]
- **Exterior Fire Sprinkler Flow Alarm:** An approved audible and visual (Horn/Strobe) sprinkler flow alarm must be provided on the exterior of the building. Exterior fire sprinkler flow alarm to be located in area such that the alarm is visible from the street. [IFC 903.4.2] Location to be approved by Fire Chief.
- **Interior Fire Sprinkler Flow Alarm:** An approved audible sprinkler flow alarm to alert the occupants withing the residence must be provided in the interior of the home in and approved occupied location. [IFC 903.4.2] Location to be approved by Fire Chief.
- **Smoke Detection Notification (IRC-R314.1):** All smoke alarms must be listed and labeled in accordance with UL 217 and installed in accordance with the provisions of this code and the household fire warning equipment provisions of NFPA 72.

- **Location (IRC-R314.3):** Smoke alarms must be installed in the following locations:
 - In each sleeping room
 - Outside each separate sleeping area in the immediate vicinity of the bedrooms
 - On each additional story of the dwelling, including basements and habitable attics but not including crawl spaces and uninhabitable attics.
 - In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

- **Power Source (IRC-R314.4):**
 - Smoke alarms must receive their primary power from the building wiring when such wiring is served from a commercial source, and when primary power is interrupted, must receive power from a battery.
 - Wiring must be permanent and without a disconnecting switch other than those required for overcurrent protection.

- **Interconnection (IRC-R314.5):** When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit.

- **Carbon Monoxide Alarms (IRC-R315.1):** For new construction, an approved carbon monoxide alarm must be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in the dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages.

- **Carbon Monoxide Detection Systems (IFC-R315.2):** Carbon monoxide detection systems that include carbon monoxide detectors and audible notification appliances, must be installed and maintained in accordance with the following an NFPA 720:
 - Installed household carbon monoxide detection system must become a permanent fixture of the occupancy owned by the homeowner. (See 903:4 IBC)
 - Installed carbon monoxide alarms that meet the requirements of IRC section R315.1, are not required to comply with IRC section 315.2.

- **Alarm Requirements (IRC-R315.4):** Single-station carbon monoxide alarms must be listed as complying with UL 2034 and must be installed in accordance with the IRC and the manufacturer's installation instructions.
- **Power Source (UT-IRC-315.5):** Carbon Monoxide alarms must receive their primary power from the building wiring when such wiring is served from a commercial source, and when primary power is interrupted, must receive power from a battery. Wiring must be permanent and without a disconnecting switch other than those required for over-current protection.
- **Interconnection (UT-IRC-R315.6):** Where more than one carbon monoxide alarm is required to be installed within an individual dwelling unit in accordance with the IRC section R315.1.
- **Existing Dwellings (IFC-R315.3):** Where work requiring a permit occurs in existing dwellings that have attached garages or in existing dwellings within which fuel-fired appliances exist, carbon monoxide alarms must be provided in accordance with the IRC section R315.1.
- **Inspections:** The City of Woodland Hills Fire Department requires that the following inspections be arranged:
 - **Rough-In:** The City of Woodland Hills Fire Department requires a Rough-In Inspection be arranged before any insulation is installed. The Rough-In Inspection is made to avoid any unnecessary alterations to building construction to survey the installations of the fire sprinkler system.
 - **Tenting Inspection:** When anti-freeze is not used.
 - **Above Ground Fire Sprinkler Piping:** The City of Woodland Hills Fire Department must witness the above ground fire sprinkler hydrostatic test and acceptance test.
 - **Fire Sprinkler System Final Inspection/ Acceptance Test:** The City of Woodland Hills Fire Department must witness the final acceptance testing for the fire sprinkler system.
 - **Scheduling Inspections:** Contact the City of Woodland Hills Fire Chief at (801) 891-5387 to schedule an inspection.

