ORDINANCE NO. 1125

AN ORDINANCE OF THE CITY OF KETCHUM, IDAHO, REPEALING ORDINANCE NO. 1081 AND KETCHUM MUNICIPAL CODE SECTION 15.08.010 IN ITS ENTIRETY AND ADOPTING THE 2012 EDITION OF THE INTERNATIONAL FIRE CODE INCLUDING APPENDIX CHAPTERS B, C, D, E, F, I AND J, REGULATING THE SAFEGUARDING OF LIFE AND PROPERTY FROM FIRE AND EXPLOSION HAZARDS ARISING FROM THE STORAGE, HANDLING AND USE OF HAZARDOUS SUBSTANCES, MATERIALS AND DEVICES, AND FROM CONDITIONS HAZARDOUS TO LIFE OR PROPERTY IN THE OCCUPANCY OF BUILDINGS AND PREMISES IN THE CITY OF KETCHUM; PROVIDING FOR THE ISSUANCE OF PERMITS AND COLLECTION OF FEES; PROVIDING A SAVINGS AND SEVERABILITY CLAUSE; PROVIDING A CODIFICATION CLAUSE; PROVIDING A REPEALER CLAUSE; PROVIDING FOR PUBLICATION BY SUMMARY; AND PROVIDING FOR AN EFFECTIVE DATE.

NOW THEREFORE BE IT ORDAINED by the Mayor and City Council of the City of Ketchum, Idaho:

Section 1. That Ordinance #1081 is hereby repealed in its entirety and that a certain document, one (1) copy of which is available for review in City Hall of the City of Ketchum, being marked and designated as the International Fire Code, 2012 Edition, including Appendix Chapters B, C, D, E, F, I and J as published by the International Code Council, be and is hereby adopted as the Fire Code of the City of Ketchum, in the State of Idaho regulating and governing the safeguarding of life and property from fire, explosions and hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises as herein provided; providing for issuance of permits and collection of fees therefore; and each and all of the regulations, provisions, penalties, conditions and terms of said Fire Code on file in the office of the City Clerk in the City of Ketchum are hereby referred to, adopted, and made a part hereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

Section 2. That the following sections of the International Fire Code, 2012 Edition are hereby revised:

A. That said International Fire Code is hereby amended by deleting Section 108.1 in its entirety and adopting a new Section 108.1, as follows:

108.1 Appeals. To determine the suitability of alternate materials and types of construction and to provide for reasonable interpretations of the provisions of this Code, there shall be and hereby is created a Board of Appeals consisting of five (5) members who are qualified by experience and training to pass judgment upon pertinent matters. The Fire Chief shall be an *ex officio* member and shall act as secretary of the board. The Board of Appeals shall be appointed by the City Council and hold office at their pleasure. All appeals from a decision of the Fire Chief shall be made by the aggrieved party to the Board of Appeals by delivering a copy of said appeal to

the Ketchum City Clerk in writing within fifteen (15) days of the date of notification of the decision by the Fire Chief to the aggrieved party. Said written notice of appeal shall contain a written statement of the decision being appealed and the basis of the appeal. The Board of Appeals shall hold a due process hearing and make its decision with written findings of fact and conclusions of law within thirty (30) days from the date that the notice of appeal is filed. The Fire Chief, Fire Code Official or any party aggrieved by decision of the Board of Appeals shall file an appeal to the Ketchum City Council by delivering a written notice of appeal to the Ketchum City Clerk within fifteen (15) days of the date of notification of a decision of the Board of Appeals. The Ketchum City Council shall hear the appeal based on the record before the Board of Appeals and shall hold a due process hearing and render its decision with written findings of fact and conclusions of law within sixty (60) days of the date of the filing of the notice of appeal. Any party aggrieved by the decision of the Ketchum City Council shall file an appeal with a court of competent jurisdiction within twenty-eight (28) days of notification of the decision by the Ketchum City Council. Any decision not appealed within the time periods set forth herein shall be final and not subject to review.

B.That said International Fire Code is hereby amended by adding a new Section 109.4 as follows:

109.4 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of a misdemeanor, punishable by a fine of not more than one thousand dollars (\$1,000) or by imprisonment not exceeding six (6) months, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

109.4.1 Abatement of violation. In addition to the imposition of the penalties herein described, the fire code official is authorized to institute appropriate action to prevent unlawful construction or to restrain, correct or abate a violation; or to prevent illegal occupancy of a structure or premises; or to stop an illegal act, conduct of business or occupancy of a structure on or about any premises.

C.That said International Fire Code is hereby amended by deleting Section 113.1in its entirety and adopting a new Section 113.1, as follows:

113.1 Plan Check Fees, Permit Fees, Inspection and Re-inspection Charges, Fee for Use of Fire Equipment, and Other Fees and Charges.

- 1. For every permit issued under the Official Fire Code of the City of Ketchum, Idaho, as amended, a fee therefore shall be charged by and paid in advance to the Fire Department.
- 2. For every initial plan check for issuance of a permit by the Fire Department, a fee therefore shall be paid to the Fire Department.
- 3. For every inspection and test of fire extinguishing systems or equipment by the Fire Department, a fee therefore shall be paid to the Fire Department.

- 4. For each additional plan check for issuance of a permit, inspection and/or test of any system by the Fire Department, an additional fee shall be paid to the Fire Department.
- 5. For every fire clearance certificate issued by the Fire Department, a fee therefore shall be paid to the Fire Department.
- 6. For use of Fire Department fire equipment and/or use of Fire Department personnel, a fee therefore shall be paid to the Fire Department.
- 7. For any checks, inspections or tests of systems or structures that must be completed on the building site, the person seeking said check, inspection or test shall schedule with the City of Ketchum Fire Department for such check, inspection or test at least forty-eight (48) hours prior to the described time for said check, inspection or test.
- 8. The City of Ketchum Fire Department, upon payment of fees as set forth in the City of Ketchum Fire Department Fee Schedule, and scheduling of, shall check, inspect and/or test the system and/or premises at the next possible opportunity arising during any weekday from nine o'clock a.m. to five o'clock p.m. The City of Ketchum Fire Department shall, prior to the check, inspection or test, give notice to the applicant of when the check, inspection and/or test of the system or premises will take place.
- 9. The applicant or an authorized agent shall be at the site at the time of any test of systems or structures that must be completed on the building site. In the event the applicant, or an authorized agent, is not at the building site at the specified time, the initial inspection fee may be forfeited and a new application, with an additional initial fee, may be required before the check, inspection and/or test of the system or premises will take place.
- 10. Fees to be charged for the services set forth above including fees for all permits, plan checks, certificates, and for use of Fire Department fire equipment and fire department personnel shall be as set by Resolution of the Ketchum City Council for the City of Ketchum Fire Department Fee Schedule.
- D. That said International Fire Code is hereby amended by adding a new Section 505.3 and 505.4 as follows:
- 505.3 Physical addresses. Actual address numbers for all buildings and individual units in multi-unit buildings shall be issued by the City of Ketchum Addressing Officer and approved by the Fire Code Official.
- 505.4 Address heights. Actual address numbers and letters shall be located so that the bottom of the letters or numbers is a minimum of 48 inches above final grade.
 - E. That said International Fire Code is hereby amended by deleting Section 903 in its entirety and adopting a new Section 903, as follows:

SECTION 903 AUTOMATIC SPRINKLER SYSTEMS

903 An approved fire sprinkler system shall be installed throughout all new buildings with 6,000 or more square feet of floor area including basements and garages or as contained in the following chapter. Partially fire sprinklered buildings are not allowed in the City of Ketchum. For purposes of this Chapter, Fire Walls shall not define separate buildings.

903.1 General.

Automatic sprinkler systems shall comply with this section.

903.1.1 Alternative protection.

Alternative automatic fire-extinguishing systems complying with Section 904 shall be permitted in lieu of automatic sprinkler protection where recognized by the applicable standard and approved by the fire code official.

903.2 Where required.

Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12.

Exception: Spaces or areas in telecommunications buildings used exclusively for telecommunications equipment, associated electrical power distribution equipment, batteries and standby engines, provided those spaces or areas are equipped throughout with an automatic smoke detection system in accordance with Section 907.2 and are separated from the remainder of the building by not less than 1-hour fire barriers constructed in accordance with Section 707 of the International Building Code or not less than 2-hour horizontal assemblies constructed in accordance with Section 711 of the International Building Code, or both.

903.2.1 Group A.

An automatic sprinkler system shall be provided throughout buildings and portions thereof used as Group A occupancies as provided in this section. For Group A-1, A-2, A-3 and A-4 occupancies, the automatic sprinkler system shall be provided throughout the floor area where the Group A-1, A-2, A-3 or A-4 occupancy is located, and in all floors from the Group A occupancy to, and including, the nearest level of exit discharge serving the Group A occupancy. For Group A-5 occupancies, the automatic sprinkler system shall be provided in the spaces indicated in Section 903.2.1.5.

903.2.1.1 Group A-1.

An automatic sprinkler system shall be provided for Group A-1 occupancies where one of the following conditions exists:

- 1. The fire area exceeds 6,000 square feet (557 m2).
- 2. The fire area has an occupant load of 300 or more.
- 3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.
- 4. The fire area contains a multi-theater complex.

903.2.1.2 Group A-2.

An automatic sprinkler system shall be provided for Group A-2 occupancies where one of the following conditions exists:

- 1. The fire area exceeds 5,000 square feet (464 m2).
- 2. The fire area has an occupant load of 100 or more.
- 3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.

903.2.1.3 Group A-3.

An automatic sprinkler system shall be provided for Group A-3 occupancies where one of the following conditions exists:

- 1. The fire area exceeds 6,000 square feet (557 m2).
- 2. The fire area has an occupant load of 300 or more.
- 3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.

903.2.1.4 Group A-4.

An automatic sprinkler system shall be provided for Group A-4 occupancies where one of the following conditions exists:

- 1. The fire area exceeds 6,000 square feet (557 m2).
- 2. The fire area has an occupant load of 300 or more.
- 3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.

903.2.1.5 Group A-5.

An automatic sprinkler system shall be provided for Group A-5 occupancies in the following areas: concession stands, retail areas, press boxes and other accessory use areas in excess of 1,000 square feet (93 m2).

903.2.2 Ambulatory care facilities.

An automatic sprinkler system shall be installed throughout the entire floor containing an ambulatory care facility where either of the following conditions exist at any time:

- 1. Four or more care recipients are incapable of self-preservation, whether rendered incapable by staff or staff has accepted responsibility for care recipients already incapable.
- 2.One or more care recipients that are incapable of self-preservation are located at other than the level of exit discharge serving such a facility.

In buildings where ambulatory care is provided on levels other than the level of exit discharge, an automatic sprinkler system shall be installed throughout the entire floor

where such care is provided as well as all floors below, and all floors between the level of ambulatory care and the nearest level of exit discharge, including the level of exit discharge.

903.2.3 Group E.

An automatic sprinkler system shall be provided for Group E occupancies as follows:

- 1. Throughout all Group E fire areas greater than 6,000 square feet (557 m2) in area.
- 2.Throughout every portion of educational buildings below the lowest level of exit discharge serving that portion of the building.

Exception: An automatic sprinkler system is not required in any area below the lowest level of exit discharge serving that area where every classroom throughout the building has at least one exterior exit door at ground level.

903.2.4 Group F-1.

An automatic sprinkler system shall be provided throughout all buildings containing a Group F-1 occupancy where one of the following conditions exists:

- 1.A Group F-1 fire area exceeds 6,000 square feet (557 m2).
- 2.A Group F-1 fire area is located more than three stories above grade plane.
- 3. The combined area of all Group F-1 fire areas on all floors, including any mezzanines, exceeds 6,000 square feet (557 m2).
- 4.A Group F-1 occupancy used for the manufacture of upholstered furniture or mattresses exceeds 2,500 square feet (232 m2).

903.2.4.1 Woodworking operations.

An automatic sprinkler system shall be provided throughout all Group F-1 occupancy fire areas that contain woodworking operations in excess of 2,500 square feet in area (232 m2) which generate finely divided combustible waste or which use finely divided combustible materials.

903.2.5 Group H.

Automatic sprinkler systems shall be provided in high-hazard occupancies as required in Sections 903.2.5.1 through 903.2.5.3.

903.2.5.1 General.

An automatic sprinkler system shall be installed in Group H occupancies.

903.2.5.2 Group H-5 occupancies.

An automatic sprinkler system shall be installed throughout buildings containing Group H-5 occupancies. The design of the sprinkler system shall not be less than that required under

the International Building Code for the occupancy hazard classifications in accordance with Table 903.2.5.2.

Where the design area of the sprinkler system consists of a corridor protected by one row of sprinklers, the maximum number of sprinklers required to be calculated is 13.

TABLE 903.2.5.2 GROUP H-5 SPRINKLER DESIGN CRITERIA

LOCATION	OCCUPANCY HAZARD CLASSIFICATION
Fabrication areas	Ordinary Hazard Group 2
Service corridors	Ordinary Hazard Group 2
Storage rooms without dispensing	Ordinary Hazard Group 2
Storage rooms with dispensing	Extra Hazard Group 2
Corridors	Ordinary Hazard Group 2

903.2.5.3 Pyroxylin plastics.

An automatic sprinkler system shall be provided in buildings, or portions thereof, where cellulose nitrate film or pyroxylin plastics are manufactured, stored or handled in quantities exceeding 100 pounds (45 kg).

903.2.6 Group I.

An automatic sprinkler system shall be provided throughout buildings with a Group I fire area.

Exceptions:

- 1.An automatic sprinkler system installed in accordance with Section 903.3.1.2 shall be permitted in Group I-1 facilities.
- 2.An automatic sprinkler system installed in accordance with Section 903.3.1.3 shall be allowed in Group I-1 facilities when in compliance with all of the following:
- 2.1.A hydraulic design information sign is located on the system riser;
- 2.2. Exception 1 of Section 903.4 is not applied; and
- 2.3. Systems shall be maintained in accordance with the requirements of Section 903.3.1.2.
- 3.An automatic sprinkler system is not required where day care facilities are at the level of exit discharge and where every room where care is provided has at least one exterior exit door.
- 4.In buildings where Group I-4 day care is provided on levels other than the level of

exit discharge, an automatic sprinkler system in accordance with Section 903.3.1.1 shall be installed on the entire floor where care is provided and all floors between the level of care and the level of exit discharge, all floors below the level of exit discharge, other than areas classified as an open parking garage.

903.2.7 Group M.

An automatic sprinkler system shall be provided throughout buildings containing a Group M occupancy where one of the following conditions exists:

- 1.A Group M fire area exceeds 6,000 square feet (557 m2).
- 2.A Group M fire area is located more than three stories above grade plane.
- 3. The combined area of all Group M fire areas on all floors, including any mezzanines, exceeds 6,000 square feet (557 m2).
- 4.A Group M occupancy used for the display and sale of upholstered furniture or mattresses exceeds 5,000 square feet (464 m2).

903.2.7.1 High-piled storage.

An automatic sprinkler system shall be provided as required in Chapter 32 in all buildings of Group M where storage of merchandise is in high-piled or rack storage arrays.

903.2.8 Group R.

An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R fire area. Notwithstanding other provisions of this section, all single family homes designated R-3 by the International Fire Code are hereby exempted from the fire sprinkler requirement provided the minimum fire flows specified in the 2012 International Fire Code Appendix B are met. Nothing in this chapter shall prevent any person from voluntarily installing an automatic fire sprinkler system.

903.2.8.1 Group R-3 or R-4 congregate residences.

An automatic sprinkler system installed in accordance with Section 903.3.1.3 shall be permitted in Group R-3 or R-4 congregate living facilities with 16 or fewer residents.

903.2.8.2 Care facilities.

An automatic sprinkler system installed in accordance with Section 903.3.1.3 shall be permitted in care facilities with 5 or fewer individuals in a single-family dwelling.

903.2.9 Group S-1.

An automatic sprinkler system shall be provided throughout all buildings containing a Group S-1 occupancy where one of the following conditions exists:

- 1.A Group S-1 fire area exceeds 6,000 square feet (557 m2).
- 2.A Group S-1 fire area is located more than three stories above grade plane.

- 3. The combined area of all Group S-1 fire areas on all floors, including any mezzanines, exceeds 6,000 square feet (557 m2).
- 4.A Group S-1 fire area used for the storage of commercial trucks or buses where the fire area exceeds 5,000 square feet (464 m2).
- 5.A Group S-1 occupancy used for the storage of upholstered furniture or mattresses exceeds 2,500 square feet (232 m2).

903.2.9.1 Repair garages.

An automatic sprinkler system shall be provided throughout all buildings used as repair garages in accordance with Section 406.8 of the International Building Code, as shown:

- 1. Buildings having two or more stories above grade plane, including basements, with a fire area containing a repair garage exceeding 6,000 square feet (557 m2).
- 2. Buildings no more than one story above grade plane, with a fire area containing a repair garage exceeding 6,000 square feet (557 m2).
- 3. Buildings with repair garages servicing vehicles parked in basements.
- 4.A Group S-1 fire area used for the repair of commercial trucks or buses where the fire area exceeds 5,000 square feet (464 m2).

903.2.9.2 Bulk storage of tires.

Buildings and structures where the area for the storage of tires exceeds 10,000 cubic feet (276 m2) shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

903.2.10 Group S-2 enclosed parking garages.

An automatic sprinkler system shall be provided throughout buildings classified as enclosed parking garages in accordance with Section 406.6 of the International Building Code as follows:

- 1. Where the fire area of the enclosed parking garage exceeds 6,000 square feet (557 m2); or
- 2. Where the enclosed parking garage is located beneath other groups.

903.2.10.1 Commercial parking garages.

An automatic sprinkler system shall be provided throughout buildings used for storage of commercial trucks or buses where the fire area exceeds 5,000 square feet (464 m2).

903.2.11 Specific buildings areas and hazards.

In all occupancies other than Group U, an automatic sprinkler system shall be installed for building design or hazards in the locations set forth in Sections 903.2.11.1 through 903.2.11.6.

903.2.11.1 Stories without openings.

An automatic sprinkler system shall be installed throughout all stories, including basements, of all buildings where the floor area exceeds 1,500 square feet (139.4 m2) and where there is not provided at least one of the following types of exterior wall openings:

- 1. Openings below grade that lead directly to ground level by an exterior stairway complying with Section 1009 or an outside ramp complying with Section 1010. Openings shall be located in each 50 linear feet (15 240 mm), or fraction thereof, of exterior wall in the story on at least one side. The required openings shall be distributed such that the lineal distance between adjacent openings does not exceed 50 feet (15 240 mm).
- 2. Openings entirely above the adjoining ground level totaling at least 20 square feet (1.86 m2) in each 50 linear feet (15 240 mm), or fraction thereof, of exterior wall in the story on at least one side. The required openings shall be distributed such that the lineal distance between adjacent openings does not exceed 50 feet (15 240 mm). The height of the bottom of the clear opening shall not exceed 44 inches (1118 mm) measured from the floor.

903.2.11.1.1 Opening dimensions and access.

Openings shall have a minimum dimension of not less than 30 inches (762 mm). Such openings shall be accessible to the fire department from the exterior and shall not be obstructed in a manner that firefighting or rescue cannot be accomplished from the exterior.

903.2.11.1.2 Openings on one side only.

Where openings in a story are provided on only one side and the opposite wall of such story is more than 75 feet (22 860 mm) from such openings, the story shall be equipped throughout with an approved automatic sprinkler system or openings as specified above shall be provided on at least two sides of the story.

903.2.11.1.3 Basements.

Where any portion of a basement is located more than 75 feet (22 860 mm) from openings required by Section 903.2.11.1, or where walls, partitions or other obstructions are installed that restrict the application of water from hose streams, the basement shall be equipped throughout with an approved automatic sprinkler system.

903.2.11.2 Rubbish and linen chutes.

An automatic sprinkler system shall be installed at the top of rubbish and linen chutes and in their terminal rooms. Chutes shall have additional sprinkler heads installed at alternate floors and at the lowest intake. Where a rubbish chute extends through a building more than one floor below the lowest intake, the extension shall have sprinklers installed that are recessed from the drop area of the chute and protected from freezing in accordance with Section 903.3.1.1. Such sprinklers shall be installed at alternate floors beginning with the second level below the last intake and ending with the floor above the discharge. Chute sprinklers shall be accessible for servicing.

903.2.11.3 Buildings 55 feet or more in height.

An automatic sprinkler system shall be installed throughout buildings with a floor level having an occupant load of 30 or more that is located 55 feet (16 764 mm) or more above the lowest level of fire department vehicle access.

Exceptions:

- 1. Airport control towers.
- 2. Open parking structures.
- 3.Occupancies in Group F-2.

903.2.11.4 Ducts conveying hazardous exhausts.

Where required by the International Mechanical Code, automatic sprinklers shall be provided in ducts conveying hazardous exhaust, flammable or combustible materials.

Exception: Ducts where the largest cross-sectional diameter of the duct is less than 10 inches (254 mm).

903.2.11.5 Commercial cooking operations.

An automatic sprinkler system shall be installed in a commercial kitchen exhaust hood and duct system where an automatic sprinkler system is used to comply with Section 904.

903.2.11.6 Other required suppression systems.

In addition to the requirements of Section 903.2, the provisions indicated in Table 903.2.11.6 also require the installation of a fire suppression system for certain buildings and areas. TABLE 903.2.11.6

ADDITIONAL REQUIRED FIRE SUPPRESSION SYSTEMS

SECTION	SUBJECT
914.2.1	Covered and open mall buildings
914.3.1	High rise buildings
914.4.1	Atriums
914.5.1	Underground structures
914.6.1	Stages
914.7.1	Special amusement buildings
914.8.2, 914.8.5	Aircraft hangars
914.9	Flammable finishes
914.10	Drying rooms
914.11.1	Ambulatory care facilities
1028.6.2.3	Smoke-protected assembly seating
1103.4.1	Pyroxylin plastic storage in existing buildings

(continued)

TABLE 903.2.11.6—continued ADDITIONAL REQUIRED FIRE SUPPRESSION SYSTEMS

SECTION	SUBJECT
1103.4.2	Existing Group I-2 occupancies
2108.2	Dry cleaning plants
2108.3	Dry cleaning machines
2309.3.2.6.2	Hydrogen motor fuel-dispensing area canopies
2404.2	Spray finishing in Group A, E, I or R
2404.4	Spray booths and spray rooms
2405.2	Dip-tank rooms in Group A, I or R
2405.4.1	Dip tanks
2405.9.4	Hardening and tempering tanks
2703.10	HPM facilities
2703.10.1.1	HPM work station exhaust
2703.10.2	HPM gas cabinets and exhausted enclosures
2703.10.3	HPM exit access corridor
2703.10.4	HPM exhaust ducts
2703.10.4.1	HPM noncombustible ducts
2703.10.4.2	HPM combustible ducts
2807.3	Lumber production conveyor enclosures
2808.7	Recycling facility conveyor enclosures
3006.1	Class A and B ovens
3006.2	Class C and D ovens
Table 3206.2	Storage fire protection
3206.4	Storage
5003.8.4.1	Gas rooms
5003.8.5.3	Exhausted enclosures
5004.5	Indoor storage of hazardous materials
5005.1.8	Indoor dispensing of hazardous materials
5104.4.1	Aerosol warehouses
5106.3.2	Aerosol display and merchandising areas
5204.5	Storage of more than 1,000 cubic feet of loose combustible fibers
5306.2.1	Exterior medical gas storage room
5306.2.2	Interior medical gas storage room
5306.2.3	Medical gas storage cabinet
5606.5.2.1	Storage of smokeless propellant
5606.5.2.3	Storage of small arms primers
5704.3.7.5.1	Flammable and combustible liquid storage rooms
5704.3.8.4	Flammable and combustible liquid storage warehouses
5705.3.7.3	Flammable and combustible liquid Group H-2 or H-3 areas
6004.1.2	Gas cabinets for highly toxic and toxic gas
6004.1.3	Exhausted enclosures for highly toxic and toxic gas

(continued)

TABLE 903.2.11.6—continued ADDITIONAL REQUIRED FIRE SUPPRESSION SYSTEMS

6004.2.2.6	Gas rooms for highly toxic and toxic gas	
6004.3.3	Outdoor storage for highly toxic and toxic gas	
6504.1.1	Pyroxylin plastic storage cabinets	
6504.1.3	Pyroxylin plastic storage vaults	
6504.2	Pyroxylin plastic storage and manufacturing	

For SI: 1 cubic foot = 0.023 m3.

903.2.12 During construction.

Automatic sprinkler systems required during construction, alteration and demolition operations shall be provided in accordance with Section 3313.

903.3 Installation requirements.

Automatic sprinkler systems shall be designed and installed in accordance with Sections 903.3.1 through 903.3.7.

903.3.1 Standards.

Sprinkler systems shall be designed and installed in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3 and other chapters of this code, as applicable.

903.3.1.1 NFPA 13 sprinkler systems.

Where the provisions of this code require that a building or portion thereof be equipped throughout with an automatic sprinkler system in accordance with this section, sprinklers shall be installed throughout in accordance with NFPA 13 except as provided in Section 903.3.1.1.1.

903.3.1.1.1 Exempt locations.

Automatic sprinklers shall not be required in the following rooms or areas where such rooms or areas are protected with an approved automatic fire detection system in accordance with Section 907.2 that will respond to visible or invisible particles of combustion. Sprinklers shall not be omitted from any room merely because it is damp, of fire-resistance rated construction or contains electrical equipment.

- 1.Any room where the application of water, or flame and water, constitutes a serious life or fire hazard.
- 2.Any room or space where sprinklers are considered undesirable because of the nature of the contents, when approved by the fire code official.
- 3.Generator and transformer rooms separated from the remainder of the building by walls and floor/ceiling or roof/ceiling assemblies having a fire-resistance rating of not less than 2 hours.

- 4. Rooms or areas that are of noncombustible construction with wholly noncombustible contents.
- 5. Fire service access elevator machine rooms and machinery spaces.
- 6.Machine rooms and machinery spaces associated with occupant evacuation elevators designed in accordance with Section 3008 of the International Building Code.

903.3.1.2 NFPA 13R sprinkler systems.

Automatic sprinkler systems in Group R occupancies up to and including four stories in height shall be permitted to be installed throughout in accordance with NFPA 13R.

903.3.1.2.1 Balconies and decks.

Sprinkler protection shall be provided for exterior balconies, decks and ground floor patios of dwelling units where the building is of Type V construction, provided there is a roof or deck above. Sidewall sprinklers that are used to protect such areas shall be permitted to be located such that their deflectors are within 1 inch (25 mm) to 6 inches (152 mm) below the structural members and a maximum distance of 14 inches (356 mm) below the deck of the exterior balconies and decks that are constructed of open wood joist construction.

903.3.1.3 NFPA 13D sprinkler systems.

Automatic sprinkler systems installed in one and two-family dwellings, Group R-3 and R-4 congregate living facilities and townhouses shall be permitted to be installed throughout in accordance with NFPA 13D.

903.3.2 Quick-response and residential sprinklers.

Where automatic sprinkler systems are required by this code, quick-response or residential automatic sprinklers shall be installed in the following areas in accordance with Section 903.3.1 and their listings:

- 1. Throughout all spaces within a smoke compartment containing care recipient sleeping units in Group I-2 in accordance with the International Building Code.
- 2.Throughout all spaces within a smoke compartment containing treatment rooms in ambulatory care facilities.
- 3.Dwelling units and sleeping units in Group I-1 and R occupancies.
- 4.Light-hazard occupancies as defined in NFPA 13.

903.3.3 Obstructed locations.

Automatic sprinklers shall be installed with due regard to obstructions that will delay activation or obstruct the water distribution pattern. Automatic sprinklers shall be installed in or under covered kiosks, displays, booths, concession stands or equipment that exceeds 4 feet (1219 mm) in width. Not less than a 3-foot (914 mm) clearance shall be maintained between automatic sprinklers and the top of piles of combustible fibers.

Exception: Kitchen equipment under exhaust hoods protected with a fireextinguishing system in accordance with Section 904.

903.3.4 Actuation.

Automatic sprinkler systems shall be automatically actuated unless specifically provided for in this code.

903.3.5 Water supplies.

Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in Section 903.3.1. The potable water supply shall be protected against backflow in accordance with the requirements of this section and the International Plumbing Code.

903.3.5.1 Domestic services.

Where the domestic service provides the water supply for the automatic sprinkler system, the supply shall be in accordance with this section.

903.3.5.1.1 Limited area sprinkler systems.

Limited area sprinkler systems serving fewer than 20 sprinklers on any single connection are permitted to be connected to the domestic service where a wet automatic standpipe is not available. Limited area sprinkler systems connected to domestic water supplies shall comply with each of the following requirements:

1. Valves shall not be installed between the domestic water riser control valve and the sprinklers.

Exception: An approved indicating control valve supervised in the open position in accordance with Section 903.4.

2. The domestic service shall be capable of supplying the simultaneous domestic demand and the sprinkler demand required to be hydraulically calculated by NFPA 13, NFPA 13D or NFPA 13R.

903.3.5.1.2 Residential combination services.

A single combination water supply shall be allowed provided that the domestic demand is added to the sprinkler demand as required by NFPA 13R.

903.3.5.2 Secondary water supply.

An automatic secondary on-site water supply having a capacity not less than the hydraulically calculated sprinkler demand, including the hose stream requirement, shall be provided for high-rise buildings in Seismic Design Category C, D, E or F as determined by the International Building Code. An additional fire pump shall not be required for the secondary water supply unless needed to provide the minimum design intake pressure at the suction side of the fire pump supplying the automatic sprinkler system. The secondary water supply shall have a duration of not less than 30 minutes as determined by the

occupancy hazard classification in accordance with NFPA 13.

Exception: Existing buildings.

903.3.6 Hose threads.

Fire hose threads and fittings used in connection with automatic sprinkler systems shall be as prescribed by the fire code official.

903.3.7 Fire department connections.

The location of fire department connections shall be approved by the fire code official.

903.4 Sprinkler system supervision and alarms.

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.

Exceptions:

- 1. Control valves to commercial kitchen hoods, paint spray booths or dip tanks that are sealed or locked in the open position.
- 2. Valves controlling the fuel supply to fire pump engines that are sealed or locked in the open position.
- 3. Trim valves to pressure switches in dry, preaction and deluge sprinkler systems that are sealed or locked in the open position.

903.4.1 Monitoring.

Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to an approved supervising station or, when approved by the fire code official, shall sound an audible signal at a constantly attended location.

Exceptions:

- 1. Underground key or hub valves in roadway boxes provided by the municipality or public utility are not required to be monitored.
- 2.Backflow prevention device test valves located in limited area sprinkler system supply piping shall be locked in the open position. In occupancies required to be equipped with a fire alarm system, the backflow preventer valves shall be electrically supervised by a tamper switch installed in accordance with NFPA 72 and separately annunciated.

903.4.2 Alarms.

An approved audible device, located on the exterior of the building in an approved location, shall be connected to each automatic sprinkler system. Such sprinkler water-flow

alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

903.4.3 Floor control valves.

Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor in high-rise buildings.

903.5 Testing and maintenance.

Sprinkler systems shall be tested and maintained in accordance with Section 901.

903.6 Where required in existing buildings and structures.

An automatic sprinkler system shall be provided in existing buildings and structures where required in Chapter 11.

903.7 Construction documents. One (1) electronic copy and two (2) paper copies of construction documents, including hydraulic calculations and device specifications, along with a Ketchum Fire Department Fire Sprinkler Plan Review form for all fire sprinkler systems shall be submitted for review and approval prior to system installation. Fire Department review and approval shall normally be completed within fifteen (15) calendar days. Exceptions to the fifteen (15) calendar day review may be made where in the opinion of the Fire Chief, the plans submitted are too complex and additional time for review is required. Construction shall not commence until approval and a permit from the Fire Department is obtained.

F. That said International Fire Code is hereby amended by deleting Section 907.1.1 in its entirety and adopting a new Section 907.1.1, further amended by adopting a new Section 907.2.24, a new Section 907.10 and adopting a new Section 907.11 as follows:

907.1.1 Construction documents. A Ketchum Fire Department Fire Alarm Installation Permit Application, one (1) electronic copy and two (2) paper copies of construction documents and fire alarm shop drawings for fire alarm systems shall be submitted for review and approval prior to system installation. Fire Department review and approval shall normally be completed within fifteen (15) calendar days. Exceptions to the fifteen (15) calendar day review may be made where in the opinion of the Fire Code Official, the plans submitted are too complex and additional time for review is required. Construction shall not commence until approval and a permit from the Fire Department is obtained. Construction documents for fire alarm systems shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code, the International Building Code, and relevant laws, ordinances, rules and regulations, as determined by the fire code official.

907.2.24 City of Ketchum Required Installations

Notwithstanding the previous installation requirements, an approved monitored automatic fire alarm system shall be installed in the following locations;

- (a) In Zoning Districts CC, LI-1, LI-2, LI-3, T, T-3000, and T-4000 every new building constructed for nonresidential occupancy, including buildings with sleeping quarters as a secondary use.
- (b) In Zoning Districts CC, GR-H, STO-H, T-3000 and T-4000 every new building constructed for any residential use, and over 4,000 square feet in floor area, and every newly constructed hotel, motel, apartment house or lodge of any size.
- (c) In Zoning districts CC, GR-H, STO-H, LI-1, LI-2, LI-3, T, T-3000 and T-4000 every existing dwelling or commercial unit within a building that is altered or changed, when such modifications exceed Fifteen Thousand Dollars (\$15,000.00) in value. (Cosmetic modifications such as painting, decorative window and floor coverings and furniture shall not be considered as contributing to the Fifteen Thousand Dollar (\$15,000.00) value limit). Said systems must provide fire detection for the entire building, including the existing and new construction area, when the alteration or change affects more than fifty (50) percent of the units in that building.

Exception: A separate fire alarm system need not be installed in buildings which are protected throughout by an approved supervised fire sprinkler system conforming to NFPA standards 13, 13D or 13R and having a local alarm to notify all occupants.

Note: Group E, Group I, Group R-1 and Group R-2 occupancies are excluded from this exception.

907.10 Definitions.

Alarm Signal is an audible or visual signal, or both, indicating the existence of an emergency fire condition. Audible devices may be bells, horns, chimes, speakers or similar devices. Voice alarms and their messages shall be approved by the Fire Code Official.

Alarm System is a combination of approved compatible devices with the necessary electrical interconnection and energy to produce an alarm signal in the event of fire or system activation.

Annunciator is equipment which indicates the zone or area of a building from which an alarm has been initiated, the location of an alarm initiating device or the operational condition of the circuits of the system.

Compatible means tested by a nationally recognized testing agency to function properly with the control unit monitoring system.

Control Unit is a unit comprising the controls, relays, switches and associated circuits necessary to (1) distribute power to a fire alarm system, (2) receive signals from alarm initiating devices and transmit them to alarm signaling devices and accessory equipment and, (3) electrically supervise the system circuitry.

False Alarms - An alarm signal necessitating response by the Ketchum Fire Department where an emergency does not exist. False alarms shall be classified as follows:

- 1. Nuisance Alarms Alarms caused by factors which the alarm system is not intended to be activated by. This category shall include, but is not limited to, alarms caused by cooking smoke, inadequate housekeeping, construction dusts, and related building operations causing alarms.
- 2. Intentional Alarms Alarm system activation or alarm signal transmission by any person knowingly, willingly, or recklessly when no emergency exists. This category shall include, but is not limited to, the activation of manual fire alarm pull stations; discharge of fire-extinguishing equipment or appliances; or activation of an alarm system in violation of orders issued under Section 109.3 of this ordinance.
- 3. Equipment Malfunction An alarm caused by the failure of an alarm system or failure of peripheral equipment, causing or allowing an alarm signal transmission.
- 4. Undetermined Cause An alarm system activation or transmission of an alarm signal for which the cause cannot or has not been determined by responding personnel and for which there is no apparent cause and alarms due to failure to maintain alarm systems in violation of orders issued under provisions of this ordinance.
- 5. Good Intent This category shall include, but is not limited to, alarms transmitted by an individual believing an emergency condition exists. Such alarms under this category shall not be held to constitute a violation of this ordinance.

Initiating Device - Any manually or automatically operated equipment which, when activated, initiates an alarm through an alarm signaling device.

Inspection Contract - An agreement in writing with an alarm company to perform testing and inspection of a required fire alarm system for a certain contractual period of time. Such contract may include repair, installation and/or relocation of equipment, as necessary.

Maintenance Contract - An agreement in writing with an alarm company to perform repair, service and maintenance. Maintenance contracts may be required at the discretion of the Fire Code Official for alarm systems shown to be subject to repeated false alarms. Such contract may include inspection, testing, installation and/or relocation of equipment, as necessary.

Required Fire Alarm - A monitored fire or smoke detection system required by this ordinance.

Signaling Device is equipment that produces an approved alarm signal.

Smoke Detector is an approved device which senses visible or invisible particles of combustion. The detector shall bear a label or other identification issued by an approved testing agency having a service for inspection of materials and workmanship at the factory during fabrication and assembly.

Voice Over IP (VOIP) is a methodology and group of technologies for the delivery of voice communications and multimedia sessions over Internet Protocol (IP) networks, such as the Internet. VOIP networks are not approved methods for transmitting alarm signals to a monitoring station.

Zone is a building or defined area of a building as approved by the Fire Code Official for purposes of identifying locations.

907.11 Performance Standards

- 1. All required supervised alarm systems shall be afforded a thirty (30) day adjustment period commencing with the date of activation or issuance of a Certificate of Occupancy in order that the system may be brought to maximum efficiency. During that period of time, no penalty shall be assessed against the owner of the alarm system for system malfunctions. Intentionally caused false alarms, unauthorized service and tampering are not subject to the thirty (30) day grace period.
- 2. Alarm systems shall be allowed no more than:
- 2.1. Three (3) false alarms in a thirty (30) day period.
- 2.2. Six (6) false alarms in a one hundred eighty (180) day period.
- 2.3. Nine (9) false alarms in a three hundred sixty (360) day period.

The owner of any alarm system found to have a false alarm rate in excess of the foregoing number of allowable alarms per specified time period, shall receive written notice of violation and the Fire Code Official may require compliance with Section 201 of the International Fire Code, FIRE WATCH.

- 3. After the adjustment period, the owner of an alarm system transmitting a false alarm, upon the issuance of a written order by the responding officer or his agent, shall be required to do one and/or more of the following:
- 3.1. Show a material change in employee training. Such training may be conducted by a representative of the owner or by or in conjunction with a representative of an alarm company.
- 3.2. Show written proof that the alarm system has been inspected and tested by an alarm company and detected faults have been repaired.
- 3.3. Show written proof that peripheral equipment has been relocated in accordance with applicable design standards and applicable codes by an alarm company. It is understood, however, that none of the aforementioned requirements shall pertain to a situation where a person reported or transmitted an alarm with good intent as set forth in Section 907.2 of this ordinance, the definition of false alarms.
- 4. Any alarm system owner having complied with orders issued as required by this section, and whose alarm system is still subject to repeated false alarms may be required to participate in a discussion with a representative from the Fire Department, the owner of the alarm system or his agent, and the alarm company responsible for the installation and/or service and/or the maintenance of the alarm

system, for the purpose of determining the cause(s) of and solutions(s) to the problem(s). Orders may be issued to their alarm system owner to facilitate the resolution of the false alarm problem under the foregoing section of this ordinance.

G. That said International Fire Code is hereby revised by amending Chapter 56, as follows:

5601.1.3 Fireworks.

The possession, manufacture, storage, sale, handling and use of fireworks is prohibited other than Non-aerial Common fireworks as defined by Idaho Code Title 39 Chapter 26. The possession, storage or transport of any fireworks for the purpose of retail or wholesale sales in the City of Ketchum is prohibited. The possession, storage, use or transport of Special Fireworks as defined by Idaho Code Title 39 Chapter 26 or Fireworks 1.3G requires a permit from the Fire Code Official.

Section 5601.2.2 is deleted in its entirety and new Section 5601.2.2 is added as follows:

- 1. Retail Sales of fireworks: It shall be unlawful to import, export, possess for the purpose of sale, offer for sale, or sell any Fireworks 1.3 G, Fireworks 1.4 G or non-aerial common fireworks for any purpose within the City of Ketchum.
- 2. The manufacture of fireworks within the City of Ketchum is prohibited.
- 3. Liability of Parents or Guardians: The parents, guardians or other persons having custody or control of a minor shall be liable for damage caused by the use of fireworks by the minor.
- 4. Comply with Idaho State Fireworks Act: It shall be the duty of every person to comply with all the provisions of Chapter 26, Title 39, Idaho Code, Idaho State Fireworks Act and of this ordinance. Violation of the Act or any provisions of this ordinance by the permittee, or by any of their agents, employees, or officers shall constitute a cause, in and of itself, to deny any subsequent application for a permit.

The following definitions are added to Section 5602:

Authority Having Jurisdiction is the Fire Chief, Fire Code Official or Officer of the Fire Department in charge.

Non-Aerial Common Fireworks means any fireworks such as ground spinners, fountains, sparklers, smoke devices or snakes designed to remain on or near the ground and not to travel outside a fifteen (15) foot diameter circle or emit sparks or other burning material which land outside a twenty (20) foot diameter circle or above a height of twenty (20) feet. Non-aerial common fireworks do not include bottle rockets, firecrackers, jumping jacks, or similar products.

Wholesale means sale of fireworks to a retailer or wholesaler.

Section 5609 is deleted is its entirety.

H. That said International Fire Code Appendix D is amended by deleting Section D105.1 in its entirety and adopting a new Section D105.1 as follows:

D105.1 Where required.

Where the vertical distance between the grade plane and the highest roof surface exceeds 35 feet (9144 mm), approved aerial fire apparatus access roads shall be provided. For purposes of this section, the highest roof surface shall be determined by measurement to the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater.

I. ESTABLISHMENT AND DUTIES OF THE FIRE DEPARTMENT.

A. The *International Fire Code* as adopted and amended herein shall be enforced by the Fire Department of the City of Ketchum and shall be operated under the supervision of the Fire Chief.

J. DEFINITIONS.

Wherever the word "jurisdiction" is used in the *International Fire Code*, it is the City of Ketchum, Idaho. Where the party responsible for the enforcement of the *International Fire Code* is given the title of "Fire Code Official," add the following definition: FIRE CODE OFFICIAL is the Fire Chief for the Fire Department of the City of Ketchum, Idaho. Wherever the term "Corporation Counsel" is used, it shall mean the City Attorney of the City of Ketchum, Idaho.

<u>Section 3.SAVINGS AND SEVERABILITY CLAUSE.</u> It is hereby declared to be the legislative intent that the provisions and parts of this Ordinance shall be severable. If any paragraph, part, section, subsection, sentence clause or phrase of this Ordinance is for any reason held to be invalid for any reason by a Court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance.

<u>Section 4.CODIFICATION CLAUSE.</u> The City Clerk is instructed to immediately forward this ordinance to the codifier of the official municipal code for proper revision of the code.

<u>Section 5.REPEALER CLAUSE.</u> All City of Ketchum Ordinances or resolutions or parts thereof which are in conflict herewith are hereby repealed.

<u>Section 6.PUBLICATION.</u> This Ordinance, or a summary thereof in compliance with Section 50-901A, Idaho Code, substantially in the form annexed hereto as Exhibit "A," shall be published once in the official newspaper of the City, and shall take effect immediately upon its passage, approval, and publication.

<u>Section 7.EFFECTIVE DATE.</u> This Ordinance shall be in full force and effect upon the date of its publication as provided by law which is January 1, 2015.

PASSED BY THE CITY COUNCIL OF THE CITY OF KETCHUM, IDAHO, and approved by the Mayor this $15^{\rm th}$ day of December, 2014.

CITY OF KETCHUM, IDAHO

Nina Jonas, Mayor

ATTEST:

APPROVED AS TO FORM

AND CONTENT:

Stephanie Bonney,

City Attorney

Sandra E. Cady, CMC

City Treasurer/Clerk

ORDINANCE NO. 1125 Page 23 of 25



EXHIBIT A

PUBLICATION OF SUMMARY OF ORDINANCE NO. 1125 CITY OF KETCHUM, IDAHO

AN ORDINANCE OF THE CITY OF KETCHUM, IDAHO, REPEALING ORDINANCE NO. 1081 AND KETCHUM MUNICIPAL CODE SECTION 15.08.010IN ITS ENTIRETY AND ADOPTING THE 2012 EDITION OF THE INTERNATIONAL FIRE CODE INCLUDING APPENDIX CHAPTERS B, C, D, E, F AND J, REGULATING THE SAFEGUARDING OF LIFE AND PROPERTY FROM FIRE AND EXPLOSION HAZARDS ARISING FROM THE STORAGE, HANDLING AND USE OF HAZARDOUS SUBSTANCES, MATERIALS AND DEVICES, AND FROM CONDITIONS HAZARDOUS TO LIFE OR PROPERTY IN THE OCCUPANCY OF BUILDINGS AND PREMISES IN THE CITY OF KETCHUM; PROVIDING FOR THE ISSUANCE OF PERMITS AND COLLECTION OF FEES; PROVIDING A SAVINGS AND SEVERABILITY CLAUSE; PROVIDING A CODIFICATION CLAUSE; PROVIDING A REPEALER CLAUSE; PROVIDING FOR PUBLICATION BY SUMMARY; AND PROVIDING FOR AN EFFECTIVE DATE.

A summary of the principal provisions of Ordinance No. 1125 of the City of Ketchum, Blaine County, Idaho, adopted on December 15, 2014, is as follows:

SECTION 1. Repeals Ordinance No. 1081 in its entirety and adopts the 2012 International Fire Code, including Appendix Chapters B, C, D, E, F, I and J.

SECTION 3. Provides a Savings and Severability Clause.

SECTION 4.Provides a Codification Clause.

SECTION 5.Provides for a Repealer Clause.

SECTION 6. Provides for publication of this Ordinance by Summary.

SECTION 7. Establishes an effective date of January 1, 2015.

The full text of this Ordinance is available at the City Clerk's Office, Ketchum City Hall, 480 East Avenue North, Ketchum, Idaho 83340 and will be provided to any citizen upon personal request during normal office hours.

CITY OF KETCHUM, IDAHO

Nina Jonas, Mayor

2.0

Sandra E. Cady, CMC

City Treasurer/Clerk

STATEMENT OF LEGAL ADVISOR

I, the undersigned attorney at law, duly licensed in the State of Idaho and serving as City Attorney to the City of Ketchum, Idaho, hereby certify that I have read the attached Summary of Ordinance No. 1081of the City of Ketchum and that the same is true and complete and provides adequate notice to the public of the contents of said Ordinance.

Dated this day of December, 2014.

Stephanie Bonney,

Ketchum City Attorney

Publish: Idaho Mountain Express

Date: December 24, 2014