

**Storey County Fire Protection District  
145 North "C" Street  
Post Office Box 603  
Virginia City, Nevada 89440  
Office: (775)847-0954  
Fax: (775) 847-0987**

**Gary Hames, Fire Chief**

**Fire & Life Safety  
Plan Review Application and Information Packet**

## Overview :

This application packet has been developed to assist our customers in submitting tenant improvements; shell of building plan review; hazardous materials storage review and ability for district to respond appropriately; permits/plan review for portions of underground civil in regards to fire protection; alarm/detection permits and plan review; and, fire sprinkler permits/plan reviews.

## Contact Information :

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## Model Codes :

The fire protection district has adopted the 2012 International Fire Code and portions of the 2012 Wildland Urban Interface Codes. All of which can be found in this document as Appendix A. This information can be further located within Storey County Code Chapter 15.04, 15.08 and 15.12. Furthermore, this information can be found within Resolution 14-255.

## Plan Review Authority :

Plan review authority is supported by Nevada Revised Statute 477.740. This gives the authority to the State of Nevada Fire Marshal's Office. Through an interlocal agreement (available upon request) this authority has been given to the Storey County Fire Protection District.

### NRS 477.740

1. The state fire marshal division (changed to Storey County Fire Protection District via Interlocal agreement) shall review any plans concerning the construction, the site and any system for protection from fire to determine if there is compliance with the provisions of this chapter and any adopted codes relating to safety from fire and the protection of life of any:

- (a) Building owned or leased by the state;
- (b) Facility for public education;
- (c) Health and care facility licensed by the state; and
- (d) Building project for construction or system for protection from fire involving public occupancy, excluding single-family detached dwellings, in any county whose population is less than 35,000 or for which a request for review is received from the owner or the authority having jurisdiction.

2. All projects requiring review must receive approval from the state fire marshal before they may be used or occupied. Under certain circumstances, the state fire marshal will

allow temporary use or occupancy if, in his determination, the safety of persons or property is not jeopardized. Approval or permission of the state fire marshal for occupancy will be suspended or revoked by him if his approval was granted in error or because incorrect information was supplied, or if he determines that the project is in violation of any code adopted under this chapter, this regulation or other law.

3. The plans and specifications of the project must be drawn to scale upon substantial paper or cloth and must be sufficient clarity to indicate the location, nature and extent of the work proposed and to show in detail that it conforms to this chapter and the codes adopted under this chapter. Plans must be drawn, signed and stamped by those persons who are authorized by specific statute and the state contractors' board to draw plans and specifications. A list of those persons described in this subsection may be obtained from the state fire marshal.

4. A plan which provides for fire stopping must provide details on the technical specifications for the materials used and the testing and listing for those materials.

### **Existing Buildings and Structures :**

Buildings and structures which require a license to conduct business in Storey County shall provide plans for Fire and Life Safety review to the Storey County Fire Protection District and pay a fee based on the valuation of the building changes (if any as described above under scope). This shall be done prior to use or occupancy.

**Exception:** Any new business license application which is the result of the purchase of an **existing business** where the existing business will continue **unchanged** with regard to type of products or services performed. These situations will require a fire inspection but not submittal of plans for review, unless the purchase includes the **building or structure or legal property**.

All changes to existing businesses, such as remodels, repairs, improvement, alteration, or different floor display arrangement, shall be required to submit appropriate plans for plan review procedures.

**Exception:** If in the opinion of the Fire Chief, or his duly authorized agent, the changes **do not** pose any fire or life safety requirements.

### **Submittal Process/Requirements :**

This package must be filled out in its entirety and returned with plan review and/or permit fees. The following information is essential to the plan review process and must be provided.

- Submit Plans in a PDF format directly to Nevada Blue (775-827-4441). Plans should include:
  - An accurately dimensioned plot/site plan **that is clearly marked with complete address**
  - Floor plans, drawn to scale, showing all dimensions
  - Exterior elevations to scale
  - Detailed drawing of wall, floor and roof construction

- Schedules indicating the rating of any fire assemblies provided; walls, floor/ceiling, roof/ceiling, windows, dampers and doors.
- Mechanical drawings, including detail of fire or smoke dampers and hood/duct system details.
- Electrical schematics including emergency systems.
- Sprinkler plans shall include all relevant data per NFPA 13 and NFPA 25.
- Fire Alarm systems shall include plans and specifications, wiring diagrams and class type.
- Where hazardous, combustible, flammable materials are used or stored. Include quantities used in building and quantities stored in buildings on the form provided within this packet.
- Commercial hood, duct, and automatic fire extinguishing systems with specifications.
- Identify fire apparatus access roads as required within the IFC.
- Identify water supply capacity and location, main sizes, all valves, all pressure relief valves (if required), hydrant (s) location, pressures, gallons per minute of each hydrant and color as indicated on the final plan review comment sheet.
- Completed Plan Review Application with plans to Nevada Blue to be included in submittal packet, as well as permit fees where applicable. Applicants can go to <http://www.nvblue.com> or (775) 827-4441.
- Plan review fees made payable to the "Storey County Fire Protection District"
- ARCHITECTS - NRS 623: Plans, specifications, reports and other documents issued by a Nevada registered architect or residential designer for office use must be signed, sealed and dated on the title page by the architect or designer. Electronic stamps by architect and/or designer are approved for use by the fire district. All architects and/or designers must possess a current Storey County Business License in order to submit plans.
- CONTRACTORS - NRS 624: A Nevada licensed contractor may prepare and submit plans in his license discipline. The plans shall be prepared by, or under the supervision of, the contractor and include his signature and license number. All contractors must have a Storey County Business License in order to submit plans. Electronic stamps are approved for use by the fire district.
- ENGINEERS - NRS 625: Nevada registered engineers are required to seal or stamp submitted documents and over sign the seal with a wet signature and date. However, in an attempt to maintain the environment, the fire district will allow electronic "wet stamps" and signatures. All Engineers must have a Storey County Business License in order to submit plans.

**Project Information**

Project Name:

Project Address:

A.P.N. #:

City:

State:

Zip Code:

Project Phone:

Project Foreman:

Email address:

**Owner Information**

Owner Name:

Owner Address:

City:

State:

Zip Code:

Office Phone:( )

Fax Number:( )

Cell Phone:( )

Email address:

**Plan Submittal**

Contractor:

Contact Person:

Address:

City:

State:

Zip Code:

Office Phone:( )

Fax Number:( )

Cell Phone:( )

Email address:

**Project Description**

Architectural/Construction (Shell)      Fire Alarm      Extinguishing System (Other than sprinkler)  
 Automatic Sprinkler System      Other (Specify Below)

<input type="checkbox"/> Shell Construction Plan Review	<input type="checkbox"/> Tenant Improvement Plan Review
<input type="checkbox"/> Fire Suppression System Plan Review	<input type="checkbox"/> Fire Suppression Permit
<input type="checkbox"/> Alarm/Detection Plan Review	<input type="checkbox"/> Alarm/Detection Permit
<input type="checkbox"/> Civil Plan Review	<input type="checkbox"/> Civil Permit

Building Use:	Project Square Footage:
Type of Occupancy:	Type of Construction:

Plan Review	Permit
Permit Amount: \$ Amount Paid: Date: Balance: Receipt #:	Permit Amount: \$ Amount Paid: Date: Balance: Receipt #:

Plan Review	
Based on: <input type="checkbox"/> Project Valuation (Actual Cost) <input type="checkbox"/> Building Standards	Valuation: \$

I will save, indemnify and hold harmless the County of Storey, its officers, employees, and agents against all liabilities, judgments, costs, and expenses which may accrue against them in consequence of the results of the review, inspections, or use of any on-site or off-site improvements placed by virtue hereof, and will in all things strictly comply with all applicable rules, ordinances, and laws.

Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit	
Based on: <input type="checkbox"/> Project Valuation (Actual Cost) <input type="checkbox"/> Building Standards	Valuation: \$

I will save, indemnify and hold harmless the County of Storey, its officers, employees, and agents against all liabilities, judgments, costs, and expenses which may accrue against them in consequence of the results of the review, inspections, or use of any on-site or off-site improvements placed by virtue hereof, and will in all things strictly comply with all applicable rules, ordinances, and laws.

Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Plan Review Fee Schedule**

NRS 477.750 Fees; Review of Plans by Local Government.  
 The fee for each review shall be based on valuation of the project as set forth in the most recent issue of Building Standards. The value

to be issued in computing valuation shall be the total value of ALL construction work for which the review/permit is issued, as well as all finish work, painting, roofing, electrical, plumbing, heating, air conditioning, elevators, fire extinguishing systems, and other permanent equipment. Projects valued under \$15,000 will be calculated based on the reviewer's hourly rate (\$88.00) and an invoice will be generated for hourly reviews.

Valuation	Fee	Valuation	Fee
\$ 15,001 - 16,000	<b>\$190.72</b>	\$ 58,001 - 59,000	<b>\$460.15</b>
\$ 16,001 - 17,000	<b>\$199.31</b>	\$ 59,001 - 60,000	<b>\$464.44</b>
\$ 17,001 - 18,000	<b>\$207.81</b>	\$ 60,001 - 61,000	<b>\$468.74</b>
\$ 18,001 - 19,000	<b>\$215.16</b>	\$ 61,001 - 62,000	<b>\$473.03</b>
\$ 19,001 - 20,000	<b>\$225.11</b>	\$ 62,001 - 63,000	<b>\$477.33</b>
\$ 20,001 - 21,000	<b>\$233.70</b>	\$ 63,001 - 64,000	<b>\$481.64</b>
\$ 21,001 - 22,000	<b>\$242.29</b>	\$ 64,001 - 65,000	<b>\$485.93</b>
\$ 22,001 - 23,000	<b>\$250.76</b>	\$ 65,001 - 66,000	<b>\$490.23</b>
\$ 23,001 - 24,000	<b>\$259.35</b>	\$ 66,001 - 67,000	<b>\$494.39</b>
\$ 24,001 - 25,000	<b>\$267.95</b>	\$ 67,001 - 68,000	<b>\$498.68</b>
\$ 25,001 - 26,000	<b>\$274.13</b>	\$ 68,001 - 69,000	<b>\$502.99</b>
\$ 26,001 - 27,000	<b>\$280.31</b>	\$ 69,001 - 70,000	<b>\$507.29</b>
\$ 27,001 - 28,000	<b>\$286.35</b>	\$ 70,001 - 71,000	<b>\$515.88</b>
\$ 28,001 - 29,000	<b>\$292.53</b>	\$ 71,001 - 72,000	<b>\$520.17</b>
\$ 29,001 - 30,000	<b>\$297.90</b>	\$ 72,001 - 73,000	<b>\$524.48</b>
\$ 30,001 - 31,000	<b>\$304.88</b>	\$ 73,001 - 74,000	<b>\$528.78</b>
\$ 31,001 - 32,000	<b>\$310.93</b>	\$ 74,001 - 75,000	<b>\$533.07</b>
\$ 32,001 - 33,000	<b>\$317.10</b>	\$ 75,001 - 76,000	<b>\$537.37</b>
\$ 33,001 - 34,000	<b>\$323.29</b>	\$ 76,001 - 77,000	<b>\$541.66</b>
\$ 34,001 - 35,000	<b>\$329.46</b>	\$ 77,001 - 78,000	<b>\$545.97</b>
\$ 35,001 - 36,000	<b>\$335.51</b>	\$ 78,001 - 79,000	<b>\$550.13</b>
\$ 36,001 - 37,000	<b>\$341.68</b>	\$ 79,001 - 80,000	<b>\$558.72</b>
\$ 37,001 - 38,000	<b>\$347.86</b>	\$ 80,001 - 81,000	<b>\$563.02</b>
\$ 38,001 - 39,000	<b>\$354.05</b>	\$ 81,001 - 82,000	<b>\$569.99</b>
\$ 39,001 - 40,000	<b>\$360.08</b>	\$ 82,001 - 83,000	<b>\$571.62</b>
\$ 40,001 - 41,000	<b>\$366.27</b>	\$ 83,001 - 84,000	<b>\$575.92</b>
\$ 41,001 - 42,000	<b>\$372.47</b>	\$ 84,001 - 85,000	<b>\$580.21</b>
\$ 42,001 - 43,000	<b>\$378.62</b>	\$ 85,001 - 86,000	<b>\$584.63</b>
\$ 43,001 - 44,000	<b>\$384.66</b>	\$ 86,001 - 87,000	<b>\$588.81</b>
\$ 44,001 - 45,000	<b>\$390.84</b>	\$ 87,001 - 88,000	<b>\$593.22</b>
\$ 45,001 - 46,000	<b>\$396.56</b>	\$ 88,001 - 89,000	<b>\$597.41</b>
\$ 46,001 - 47,000	<b>\$403.20</b>	\$ 89,001 - 90,000	<b>\$601.70</b>
\$ 47,001 - 48,000	<b>\$409.25</b>	\$ 90,001 - 91,000	<b>\$605.87</b>
\$ 48,001 - 49,000	<b>\$415.42</b>	\$ 91,001 - 92,000	<b>\$610.16</b>
\$ 49,001 - 50,000	<b>\$421.60</b>	\$ 92,001 - 93,000	<b>\$614.47</b>
\$ 50,001 - 51,000	<b>\$425.90</b>	\$ 93,001 - 94,000	<b>\$618.76</b>
\$ 51,001 - 52,000	<b>\$430.19</b>	\$ 94,001 - 95,000	<b>\$623.06</b>
\$ 52,001 - 53,000	<b>\$434.50</b>	\$ 95,001 - 96,000	<b>\$627.36</b>
\$ 53,001 - 54,000	<b>\$438.79</b>	\$ 96,001 - 97,000	<b>\$631.65</b>
\$ 54,001 - 55,000	<b>\$443.02</b>	\$ 97,001 - 98,000	<b>\$635.96</b>
\$ 55,001 - 56,000	<b>\$447.25</b>	\$ 98,001 - 99,000	<b>\$640.25</b>
\$ 56,001 - 57,000	<b>\$451.55</b>	\$ 99,001 - 100,000	<b>\$644.55</b>

\$ 57,001 - 58,000	<b>\$455.84</b>	\$ 100,001+	<b>See Below</b>
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If the proposed project or bid is less than \$100,000.00, refer to the **Review Fee Schedule**.

If the proposed project or bid is more than \$100,000 but less than \$500,000, the fee is **\$648.85** for the first \$100,000 plus **\$3.29** for each additional \$1,000 or fraction thereof of the proposed cost or bid.

1. If the proposed cost or bid is \$500,000 or more but less than \$1,000,000, the fee is **\$1,965.09** for the first \$500,000 plus **\$2.90** for each additional \$1,000 or fraction thereof of the proposed cost or bid.
2. If the proposed cost or bid is \$1,000,000 or more, the fee is **\$3,359.49** for the first \$1,000,000 plus **\$1.83** for each additional \$1,000 or fraction thereof of the proposed cost or bid.
3. If Fire Code Consulting Services are required for any given project, a fee will be charged at the rate of ninety-eight dollars (**\$98.00**) per hour or any fraction thereof, for each person from Storey County and/or Plans Examiners Office that are required to attend the conference.
4. If a Fire Code Plan Review (beyond 2<sup>nd</sup> Review) is required for any given project, a fee will be charged at the rate of eighty-eight dollars (**\$88.00**) per hour or any fraction thereof and will be billed.
5. If an agreement is reached by a local government and the state fire marshal, whereby the process for review of plans is delegated to the local authority, the local authority may use the schedule of fees that has been approved by the local authority.
6. If a review of plans by a local government waives or grants a variance of a minimum standard established by the state fire marshal or otherwise requires review by the state fire marshal, the local government shall require the plans be submitted to the state fire marshal for review. The state fire marshal will charge the person on whose behalf the plans are submitted a fee of fifty-five dollars (**\$55.00**) per hour for each person who participates in the review. The state fire marshal will notify the local government of his approval or disapproval of the plans upon completion of his review.

**NOTICE:** Any meeting attendance, travel or additional review by Storey County Fire Department required as a result of items 5 or 7 above, an additional fee of fifty-five dollars (**\$55.00**) per hour for each person who participates will be charged to the person on whose behalf the request for variance is submitted to the State Fire Marshal.

**Permit Fee Schedule**  
**Permit Fee Table 105.1.1 (Adjusted UBC 1997 Table 1 A)**

TOTAL VALUATION	FEE
\$1.00 TO \$500.00	\$25.85
\$501.00 to \$2,000.00	\$25.85 for the first \$500.00 plus \$3.36 for each additional \$100.00 or fraction thereof, to and including \$2000.00
\$2001.00 to \$25,000.00	\$76.25 for the first \$2,000.00 plus \$15.40 for each additional \$1,000.00 or fraction thereof, to and including \$25,000.00
\$25,001.00 to \$50,000.00	\$430.45 for the first \$25,000.00 plus \$11.11 for each additional \$1,000.00 or fraction thereof, to and including \$50,000.00
\$50,001.00 to \$100,000.00	\$708.20 for the first \$50,000.00 plus \$7.70 for each additional \$1,000.00 or fraction thereof, to and including \$100,000.00
\$100,001.00 to \$500,000.00	\$1,093.20 for the first \$100,000.00 plus \$6.16 for each additional \$1,000.00 or fraction thereof, to and including \$500,000.00
\$500,001.00 to \$1,000,000.00	\$3,557.20 for the first \$500,000.00 plus \$5.23 for each additional \$1,000.00 or fraction thereof, to and including \$1,000,000.00
\$1,000,001.00 and up	\$6,172.20 for the first \$1,000,000.00 plus \$4.02 for each additional \$1,000.00 or fraction thereof

**Table 105.1.2 Special Services Fee**

Service Provided / Special Inspection / Permits	Fee
Fire Hydrant flow test (on-site)	\$150.00/hr
Fire Protection flow test information request	\$25.00/per flow
False Alarm (within 12 months) 3 <sup>rd</sup> and beyond	Cost Recovery Actual Response Minimum \$150.00/hr
Inspections requested after normal duty hours	\$110.00
Additional permit inspections, re-inspections due to deficiencies, cancellations, or partial systems including travel time.	\$88.00/hr
Operational permits per IFC section 105	Minimum \$88.00/Permit

#### Hazardous Materials

Anyone storing, handling, or using any amount of hazardous materials is required to complete this section. When quantities of chemicals meet or exceed "Title III of the Superfund Amendments and Reauthorization Act of 1986, and Title III of the Clean Air Act Amendments of 1990" or when required by the Nevada State Fire Marshal, a hazardous materials permit will be required.

An MDS must be attached for each product that will be stored, used in manufacturing or is generally used in the facility. Quantities, locations and occupancy types shall be clearly stated on the plans at time of submittal.

Storey County Fire Protection District will review these chemicals to determine if there is additional training required, equipment and the ability for our hazardous materials team to respond appropriately. The applicant will be notified upon review of our findings.

#### District Use Only

Reference # 1 Used:

Reference # 2 Used:

Reference # 3 Used:

Technician Completing:

Report Attached:  Yes  No  Not Applicable

QC Review By:

Date:

**Fire District Use Only**

Fire District approval for hazardous materials response: The signature below only states that we either “can” or “cannot” respond to incidents occurring at this proposed facility. It is based solely on the information provided under the hazardous materials section of this application. By no means does this section give complete approval for the project. It is simply a checks and balance system developed by the Quad County Hazardous Materials Response Team to identify the ability and level in which an incident may be mitigated.

**Approved**

**Not Approved** (If not, explain why.)

NOTES:

Reviewer Name: \_\_\_\_\_

Reviewer Signature: \_\_\_\_\_ Date \_\_\_\_\_



**APPENDIX A : Amendments to 2012 IFC and 2012 WUI Model Codes**

**Ordinance No. 14-2 55**

**Summary**

An ordinance deleting Storey County Code chapters 8.12 Fire Hazards, 8.16 Fire and Explosive, and 8.20 Alarm Systems and amending chapter 15.04 Buildings and Construction, to adopt new uniform codes for fire, building and construction, and amending chapter 15.08 Building Official, and chapter 15.12 Permits and to make amendments to the codes to provide for Storey County specific requirements.

**Title**

**An ordinance deleting Storey County Code chapters 8.12 Fire Hazards, 8.16 Fire and Explosive, and 8.20 Alarm Systems and amending chapter 15.04 Buildings and Construction to adopt new uniform codes including fire and, building and construction and amending chapters 15.04, 15.08 Building Official, and 15.12 Permits to make amendments to the codes for Storey County specific requirements and providing for other properly related matters.**

The Board of County Commissioners of the County of Storey, State of Nevada, does ordain:

**SECTION I:** Chapters 8.12, 8.16, and 8.20 are amended by deleting the following:

**Chapter 8.12**

**FIRE HAZARDS**

**8.12.010 Inspection authority.**

~~It is the duty of the fire chief, or other designated officer, to inspect or cause to be inspected, as often as may be necessary, but not less than annually, commercial structures, premises, vacant lots and public thoroughfares, except the interiors of private dwellings, for the purpose of ascertaining and causing it be corrected any condition liable to cause fire, or any violation of the provisions or intent of any ordinance affecting the fire hazards.~~

**8.12.020 Order to abate.**

~~Whenever an officer finds in any building or upon any premises or other place, combustible or explosive matter or dangerous accumulation of rubbish or unnecessary accumulation of wastepaper, boxes, shavings, weeds, brush or any other highly inflammable materials, especially liable to fire, old and unused outhouses or buildings which are so situated as to endanger property, or finds obstructions to or on fire escapes, stairs, passageways, doors, or windows liable to interfere with the operations of the fire department, or egress of occupants in case of fire, he shall order the same to be removed or remedied and such order shall forthwith be complied with by the owner or occupant of such premises or building, subject to appeal within five days to the board of county commissioners, who shall within fifteen days review such order and file its decision thereon, and unless the order is revoked or modified, it shall remain in full force and be obeyed by such owner or occupant.~~

**8.12.030 Order to abate--Service.**

~~The service of any order shall be made upon the occupant of the premises, to whom it is directed by either delivering a true copy of same to such occupant personally or by delivering the same to and leaving it with any person in charge of the premises, or in case no such person is found, upon the premises by affixing a copy thereof in a conspicuous place on the door or to the entrance of said premises. Whenever it may be necessary to serve such an order upon the owner of premises, such order may be served either by delivering to and leaving with the said person a true copy of said order, or, if such owner is absent from the jurisdiction of the officer making the order, by mailing such copy to said owner's last known post office address.~~

**8.12.040 Order to abate--Failure to comply.**

~~Any owner or occupant failing to comply or commence substantial compliance with such order within five days after the appeal shall have been determined, or if no appeal is taken, then within five days after the service of said order, shall be liable to a penalty as stated in Section 8.12.050 of this chapter.~~

**8.12.050 Right of entry--Penalty for violation.**

~~Fire inspection officials may, with the consent of the owner or occupant of any premises, enter such premises or property to inspect the same for fire hazards. All other entries by such officials shall be on presentation of a warrant except in exigent (emergency) circumstances. Failure to comply with directives given to correct identified fire hazards may result in a misdemeanor prosecution.~~

**Chapter 8.16**

**FIRE AND EXPLOSIVES REGULATIONS**

**8.16.010 Outdoor burning--Permission required.**

~~It is unlawful for any person or persons, firm, corporation, or association to burn or attempt to destroy by fire, any leaves, straw, shavings, sweepings, papers, wood, rubbish or other materials of any kind whatsoever, or to kindle or ignite any fire out of doors, whether on public or private property, without first applying for and obtaining written permission from the county fire chief, or his duly authorized agent.~~

**8.16.020 Outdoor burning--Construction or demolition wastes.**

~~During construction, alteration, or demolition of buildings or other structures, no waste materials or rubbish shall be disposed of by burning on the premises without first obtaining written permission therefor from the county fire chief or his duly authorized agent.~~

**8.16.030 Outdoor burning--Bonfires--Incinerator use.**

~~No person shall kindle or maintain any bonfire, rubbish fire, or brush fire, or authorize any such fire to be kindled or maintained on any public or private land without first having obtained written permission from the county fire chief or his duly authorized agent. If such fire is contained in an approved container, waste burner, or incinerator, it must be covered, and the cover must be no larger than one-quarter inch mesh screen, such fire being located safely, and not less than fifteen feet from any structure.~~

**8.16.040 Outdoor burning--Permit issuance--Time limits.**

~~No fire permit under this chapter shall be issued before six a.m. or after eleven a.m., and all such fires shall be extinguished by twelve noon.~~

**8.16.050 Permit fees.**

~~The county fire chief may assess a uniform fee for obtaining fire permits or explosive permits under this chapter to cover the costs of inspection and approval of proposed sites, provided he first obtains the unanimous consent of the county commissioners.~~

**8.16.060 Applicability of provisions.**

~~The provisions of this chapter are not applicable to the igniting and burning of outdoor fires for warmth and cooking in appropriate fireplaces, barbecues, or other appropriate containers. The penalties of this chapter are applicable, however, to such fires in the event that such fires go out of control, and a court of law is satisfied that the fire went out of control as a result of carelessness or negligence on the part of the person or persons tending the fire.~~

**8.16.070 Authority to extinguish unauthorized fires.**

~~Any duly organized fire department of this county shall have the power, by order of the chief of the respective fire department or his duly authorized agent, without further process of law, to directly extinguish, or require to have extinguished any fire ignited or maintained in violation of the requirements of this chapter.~~

**8.16.080 Authority to prohibit fires--Atmospheric or local conditions.**

— The county fire chief may prohibit any and all bonfires, outdoor fires, or incinerator fires, when atmospheric conditions or local circumstances make such fires hazardous.

**8.16.090 Fireworks--Permission required.**

— No fireworks of any kind shall be possessed or ignited within the county without first obtaining the written permission of the county fire chief and the county commissioners.

**8.16.100 Explosives storage--Permission required.**

— No dynamite or other explosives shall be stored or kept within this county without first obtaining the written permission of the county fire chief, who shall first determine that storage of the same conforms to the requirements of the Nevada Revised Statutes, and in addition, is not a threat to the safety of adjacent inhabitants within the county.

**8.16.110 Waivers.**

— The provisions of this chapter may be waived under extraordinary circumstances, but only by written authorization from the county fire chief or his duly authorized agents or deputies.

**8.16.120 Violation--Penalty.**

— Violation of any provision of this chapter shall be a misdemeanor, and in addition thereto, the county commissioners may charge the person or persons responsible for any costs involved in extinguishing any fire resulting from a violation of any of the provisions of this chapter.

**Chapter 8.20**

**ALARM SYSTEMS**

**8.20.010 Policy.**

— It is found and declared that the public health, safety, morals and welfare of the inhabitants of the county require the regulation and control of all persons engaged in the business of owning, operating, maintaining, installing, selling or manufacturing an alarm device or devices as defined in this chapter. In conformity with the policy of this chapter these regulations are designed to:

- A. — Provide for more effective regulation of security alarm systems by the sheriff's communication center;
- B. — Provide for standardization of procedure for installation of security alarm systems;
- C. — Set fees for the monitoring of private alarm systems by personnel of the sheriff's department;
- D. — Set fees for false alarms responded to by personnel of the sheriff's office.

**8.20.020 Definitions.**

— Whenever used in this chapter, unless the context otherwise requires or specifies:

- A. — "Alarm device" means any device which when actuated by a criminal act or other emergency, requires sheriff's department response or action, and which transmits a prerecorded message or other signal by telephone, radio or other means to the central alarm station, or directly to the sheriff's communication center, or which produces an audible or visible signal designed to notify persons within audible or visible range of the signal;
- B. — "Commercial alarm company" means any person, business, firm, corporation or other commercial entity that is in the business of owning, operating, maintaining, installing, selling, or manufacturing an alarm device or devices.

\_\_\_\_\_ C. \_\_\_\_\_ "False alarm" means any signal actuated by an alarm device to which the sheriff's department responds, which is not the result of a criminal act, or not the result of an act for which the alarm was intended to be actuated.

\_\_\_\_\_ D. \_\_\_\_\_ "Intrusion" means an entry into an area or building equipped with one or more alarm devices by any person or object whose entry actuates the alarm device.

\_\_\_\_\_ E. \_\_\_\_\_ "Sheriff's communication center" means any radio dispatch room and/or other enclosures housing privately or publicly owned equipment serving the radio dispatch room or the county sheriff in any fashion.

#### **8.20.030 Application for installation.**

\_\_\_\_\_ A. Before any alarm device may be installed by any commercial alarm company that has intention of installing or causing to be installed a direct alarm device, or any other alarm device, which would connect into any communications center maintained by the sheriff's department, the applicant shall submit a written application setting forth following information:

\_\_\_\_\_ 1. \_\_\_\_\_ The name, address, and telephone number of the commercial alarm company making the installation;

\_\_\_\_\_ 2. \_\_\_\_\_ The type of device to be installed;

\_\_\_\_\_ 3. \_\_\_\_\_ The communication center to which the device is to be connected;

\_\_\_\_\_ 4. \_\_\_\_\_ The name and address of the location, and the type of business conducted at that location, in which the device is to be installed;

\_\_\_\_\_ 5. \_\_\_\_\_ Directions to the location in which the alarm device is to be installed, as well as a description of the building and/or premises in which the alarm is to be installed;

\_\_\_\_\_ 6. \_\_\_\_\_ The names and addresses of three individuals who may be contacted in the case of an emergency by the sheriff's department;

\_\_\_\_\_ B. \_\_\_\_\_ Written application shall be submitted not less than fifteen days prior to the intended installation.

\_\_\_\_\_ C. \_\_\_\_\_ The application shall be reviewed by the sheriff or his designee who shall, within fifteen days of receipt of the application, announce in writing approval or disapproval of the installation.

\_\_\_\_\_ D. The sheriff may condition any approval pursuant to the terms of this chapter as is necessary for the efficient administration of the sheriff's department, any communications center maintained by the sheriff's department, and/or to the administration of this chapter.

#### **8.20.040 Fees.**

\_\_\_\_\_ A. Monitoring Fee. There shall be a monthly fee for monitoring all alarm devices. The monitoring fees shall be billed to the commercial alarm company by the sheriff or his designee on a quarterly basis per alarm. Monitoring fees shall be due and payable by the commercial alarm company within ten days of receipt of billing. Monitoring fees shall be set by resolution of the county commissioners. Any installation shall obligate the commercial alarm company to pay the full fee for the quarter in which the installation is made. Upon failure to pay monitoring fees when due, the sheriff or his designee shall cause written notice to be sent by registered mail to the commercial alarm company failing to pay the quarterly monitoring fee. The notice shall state that if payment of the monitoring fee is not received within fifteen days of the notification, it may cause the sheriff to remove or cause to be removed any alarm device which is connected to a sheriff's communication center.

\_\_\_\_\_ B. \_\_\_\_\_ False Alarm Fee. Any user of services and/or equipment furnished by a commercial alarm company shall pay to the county sheriff a fee for false alarms, responded to by the personnel of the sheriff's department, which fees shall be set by resolution of the board of county commissioners according to the following schedule:

\_\_\_\_\_ 1. \_\_\_\_\_ Where the sheriff or his personnel respond to a location on four occasions within a quarterly period, the penalty amount shall be assessed.

~~2. Where the sheriff or his personnel respond to a location on a seventh occasion within a quarterly period, a penalty amount shall be assessed against the user of services and/or equipment, which penalty amount shall be three times the amount assessed against a user pursuant to subdivision 1 of this subsection.~~

~~3. Where the sheriff or his personnel have responded to a location on three occasions within a quarter on false alarms, the sheriff may require the installation of an entry prewarning device and status indicator.~~

~~4. Where the sheriff or his personnel have responded to a location on a seventh or more occasion to false alarms located on a premises, the sheriff may remove any alarm device located on the premises from connection to any sheriff's communication center. If, after the seventh response in a quarterly period to a false alarm, the sheriff elects not to remove any alarm device from connection to the sheriff's communication center, the user shall pay the fee per occasion of false alarm response by the sheriff's department, as set forth in subdivision 2 of this subsection.~~

## **2012 International Fire Code amendments.**

Note: An underscore is used to indicate new or replacement language to the code. A strike through is to indicate a deleted item.

### **IFC Section 102, Applicability:**

**102.3 Change of use or occupancy.** No change shall be made in the use or occupancy of any structure that would place the structure in a different division of the same group or occupancy or in a different group of occupancies, unless such structure is made to comply with the requirements of this code and the International Building Code. Subject to the approval of the fire code official, the use or occupancy of an existing structure shall be allowed to be changed and the structure is allowed to be occupied for purposes in other groups without conforming to all the requirements of this code and the International Building Code for those groups, provided the new or proposed use is less hazardous, based on life and fire risk, than the existing use.

Change of ownership of the building shall require the building to come up to current Code standards, per NAC 477.917 and adopted by the Nevada Fire Marshal.

**102.7 Referenced Codes and Standards.** The codes and standards referenced in this code shall be those that are listed in Chapter 80 shall be the most current edition of the nationally recognized standards unless otherwise designated by NAC 477.281, and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in section 102.7 and 102.7.2.

### **IFC Section 105, Permits:**

**105.1.1 Permits Required.** Any property owner or authorized agent who intends to conduct an operation or business, or install or modify systems and equipment which is regulated by this code, or to cause any such work to be done, shall first make application to the fire code official and obtain the required permit. Permits required by this code shall be obtained from the Storey County Fire Protection District. Fire Department construction permits will be required and issued for Fire Sprinkler Systems, Detection/Notification Systems and Grading/Civil work, based on total project valuation. See Table 105.1.1.

### **IFC Section 108, Board of Appeals:**

Delete the entire section 108. (See section 15.04.080(C))

**IFC Section 109, Violations:**

**109.4 Violation Penalties.** Unless a greater penalty is provided by Nevada Law, persons who shall violate a provision of this code or fail to comply with any of the code's 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, are guilty of a misdemeanor. shall be guilty of a [SPECIFY OFFENSE] punishable by a fine of not more than \$1,000 dollars per violation or by imprisonment not exceeding 30-days or both fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

**Storey County Fire Department Fine Schedule  
(Adopted from Nevada State Fire Marshal per Interlocal Agreement)**

**NAC 477.281** Nevada Administrative Code adoption of currently adopted International Fire Code (IFC)

**IFC SECTION 3 \_\_\_\_\_ FINE**  
**AMOUNT**

**304.1** Compliance with orders and notices unlawful continuance of a fire hazard. Any person operating or maintaining any occupancy, premises, or vehicle subject to this code, or fail to take immediate action to abate a fire hazard when ordered  
\$1,000.00

**IFC. SECTION 9 \_\_\_\_\_ FINE AMOUNT**

<b>401.4</b>	Interfering with Fire Dept. (Obstructing/Disobeying a command)	\$500.00
<b>901.8</b>	Tampering with fire equipment (sprinklers, alarms, etc.)	\$500.00
<b>901.8</b>	Tampering with fire hydrant or appliances	\$500.00
<b>503.4</b>	Obstructing fire lane or parking in fire lane	\$500.00
<b>901.4.1</b>	Failure to provide fire and safety protection as required	\$500.00
<b>901.4.1</b>	Failure to provide fire systems	\$100.00
<b>904.11.6.3</b>	Failure to prevent accumulation of grease or failure to maintain system	\$100.00

**IFC. SECTION 3 GENERAL PRECAUTIONS AGAINST FIRE \_\_\_\_\_ FINE AMOUNT**

<b>307.2</b>	Burning bonfires or rubbish without a permit	\$100.00
<b>304.4</b>	Not attending an open fire	\$100.00
<b>304.1.1</b>	Illegal accumulation of waste	\$100.00
<b>304.2</b>	Improper handling of readily combustible materials	\$100.00
<b>401.3</b>	Failure to report a fire	\$100.00
<b>401.3.1</b>	Reporting a false alarm	\$500.00
<b>303</b>	Asphalt kettles, improper extinguishers, improper transportation	\$100.00

303	Asphalt kettles, improper placement, cover or not attending	\$100.00
312	Failure to protect gas meters and piping	\$100.00
311.3	Vacating premises (not removing combustibles)	\$500.00
311.2.1	Vacant buildings (not secured)	\$500.00

**IFC.SECTION 10 MAINTENANCE OF EXIT WAYS \_\_\_\_\_ FINE AMOUNT**

1027.3	Obstruction of exit	\$500.00
1024.9.2	Failure to maintain aisles	\$500.00
1025	Encumbrance of fire escape	\$500.00
1027.2	Exit doors inoperable from the inside	\$500.00
1006.1	Failure to provide exit illumination	\$500.00
1011.1	Failure to provide exit signs	\$500.00
1004.2	Exceeding occupant load	\$500.00

**IFC.SECTION 310 SMOKING \_\_\_\_\_ FINE AMOUNT**

310.2	Smoking in prohibited areas	\$100.00
310.5	Failure to comply with "NO SMOKING" sign	\$100.00
310.4	Illegal removal of "NO SMOKING" signs	\$100.00

**IFC.SECTION 15 APPLICATION OF FLAMMABLE FINIS H \_\_\_\_\_ FINE AMOUNT**

1501	All violations of Section 15	\$250.00
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**IFC.SECTION 26 WELDING/CUTTING CALCIUM CARBIDE/ACETYLENE \_\_\_\_\_ FINE AMOUNT**

2604.2.6	Failure to provide a fire extinguisher	\$100.00
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**IFC.SECTION 30 COMPRESSED GASES \_\_\_\_\_ FINE AMOUNT**

3003.2	Storage cylinders improperly marked	\$100.00
3003.3.3	Compressed gases not secured	\$100.00

**IFC.SECTION 33 EXPLOSIVE/BLASTING AGENTS \_\_\_\_\_ FINE AMOUNT**

3301	All violations pertaining to the manufacturer, possession, storage, sales, transportation and use of explosives and blasting agents \$500.00	
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**IFC.SECTION 27 HAZARDOUS MATERIALS \_\_\_\_\_ FINE AMOUNT**

2701	All violations of Section 27	\$500.00
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**INTERNATIONAL FIRE CODES** Currently Adopted Edition by the Honorable County Commissioners: Any other violation not specifically mentioned in the above FINE schedule will have a FINE of \$100.00.

**NEVADA REVISED STATUTES (477.250):** Any person who knowingly violates the provisions of this chapter or any of the regulations adopted by the State Fire Marshal's office is guilty of a MISDEMEANOR.

**Each day on which a violation occurs is a separate offense.**

**IFC Section 111, Stop Work Order:**

**111.4 Failure to Comply.** Any person who ~~shall~~ continues any work after having been served with a stop work order, except ~~such~~ the work as that person is directed to perform to remove a violation or unsafe condition, ~~shall be liable to a fine of not less than [amount] dollars or more than [amount] dollars~~ is guilty of a misdemeanor.

**IFC Section 202, General Definitions:**

**HIGH-RISE BUILDING.** A building with an occupied floor located more than ~~75~~ 55 feet (22-860 16 764 mm) above the lowest level of fire department vehicle access.

**Occupancy Classification.**

**Institutional Group I-1.** This occupancy shall include buildings, structures or parts thereof for more than 16 persons who reside on a 24-hour basis in a supervised environment and receive custodial care. The persons receiving care are capable of self preservation. All portions of a care facility which houses patients or residents which is classified by the State Board of Health as 'Category 2,' (defined as not being able to provide self preservation) and which has an occupant load of more than 10 residents, is classified as an 'I-1' occupancy classification. This group shall include, but not be limited to, the following:

- Alcohol and drug centers
- Assisted living facilities
- Congregate care facilities
- Convalescent facilities
- Group homes
- Half-way houses
- Residential board and custodial care facilities
- Social rehabilitation facilities

**Five or fewer persons receiving care:** A facility such as the above with five or fewer persons receiving such care shall be classified as Group R-3 or shall comply with the International Residential Code provided an automatic sprinkler system is installed in accordance with Section 903.3.1.3 or International Residential Code Section P2904.

**Six to sixteen persons receiving care:** A facility such as above, housing at least six and not more than 16 persons receiving such care, shall be classified as Group R-4.

**Institutional Group I-4, day care facilities:** This group shall include buildings and structures occupied by more than ~~five~~ six persons of any age who receive custodial care for less than 24 hours by persons other than parents or guardians, relatives by blood, marriage, or adoption, and in a place other than the home of the person cared for. This group shall include, but not be limited to, the following:

Adult day care  
Child day care

**Classification as Group E:** A child day care facility that provides care for more than ~~five~~ six but no more than 100 children 2 1/2 years or less of age, where the rooms in which the children are cared for are located on a level of exit discharge serving such rooms and each of these child care rooms has an exit door directly to the exterior, shall be classified as Group E.

**Within a place of religious worship:** Rooms and spaces within places of religious worship providing such care during religious functions shall be classified as part of the primary occupancy.

**Five or fewer occupants receiving care:** A facility having ~~five~~ six or fewer persons receiving custodial care shall be classified as part of the primary occupancy.

**Five or fewer occupants receiving care in a dwelling unit:** A facility such as the above within a dwelling unit and having ~~five~~ six or fewer persons receiving custodial care shall be classified as Group R-3 occupancy or shall comply with the International Residential Code.

**Residential Group R-1:** Residential occupancies containing sleeping units where the occupants are primarily transient in nature, including:

Boarding houses (transient) with more than 10 occupants

Brothels

Congregate living facilities (transient) with more than 10 occupants

Hotels (transient)

Motels (transient)

**Residential Group R-3:** Residential occupancies where the occupants are primarily permanent in nature and not classified as Group R-1, R-2, R-4 or I, including:

Boarding houses (non transient) with 16 or fewer occupants

Boarding houses (transient) with 10 or fewer occupants

Buildings that do not contain more than two dwelling units

Care facilities that provide accommodations for ~~five~~ six or fewer persons receiving care

Congregate living facilities (non transient) with 16 or fewer occupants

Congregate living facilities (transient) with 10 or fewer occupants

**Moderate-hazard storage, Group S-1:** Buildings occupied for storage uses that are not classified as Group S-2, including, but not limited to, storage of the following:

Aerosols, Levels 2 and 3

Aircraft hangar (storage and repair)

Bags: cloth, burlap and paper

Bamboos and rattan

Baskets

Belting: canvas and leather

Books and paper in rolls or packs

Boots and shoes

Buttons, including cloth covered, pearl or bone

Cardboard and cardboard boxes  
Clothing, woolen wearing apparel  
Cordage  
~~Dry boat storage (indoor)~~  
Furniture  
Furs  
Glues, mucilage, pastes and size  
Grains  
Horns and combs, other than celluloid  
Leather  
Linoleum  
Lumber  
Motor vehicle repair garages complying with the maximum allowable quantities of hazardous materials listed in Table 5003.1.1(1) (see Section 406.8 of the International Building Code)  
Photo engravings  
Resilient flooring  
Self-serve storage (mini-storage)  
Silks  
Soaps  
Sugar  
Tires, bulk storage of  
Tobacco, cigars, cigarettes and snuff  
Upholstery and mattresses  
Wax candles

**Low-hazard storage, Group S-2:** Includes, among others, buildings used for the storage of noncombustible materials such as products on wood pallets or in paper cartons with or without single thickness divisions; or in paper wrappings. Such products are permitted to have a negligible amount of plastic trim, such as knobs, handles or film wrapping. Storage uses shall include, but not be limited to, storage of the following:

Asbestos  
Beverages up to and including 16-percent alcohol in metal, glass or ceramic containers  
Cement in bags  
Chalk and crayons  
Dairy products in non waxed coated paper containers  
Dry boat storage (indoor)  
Dry cell batteries  
Electrical coils  
Electrical motors  
Empty cans  
Food products  
Foods in noncombustible containers  
Fresh fruits and vegetables in non plastic trays or containers  
Frozen foods  
Glass  
Glass bottles empty or filled with noncombustible liquids  
Gypsum board  
Inert pigments  
Ivory  
Meats

Metal cabinets  
Metal desks with plastic tops and trim  
Metal parts  
Metals  
Mirrors  
Oil-filled and other types of distribution transformers  
Parking garages both open and enclosed  
Porcelain and pottery  
Stoves  
Talc and soap stones  
Washers and dryers

#### **IFC Section 305, Ignition Sources:**

**305.1 Clearance from ignition sources.** Clearance between ignition sources, such as luminaries, heaters, flame-producing devices and combustible materials, shall be no less than 10 feet and shall be maintained in an approved manner.

#### **IFC Section 401, General:**

**401.1 Scope.** Reporting of emergencies, coordination with emergency response forces, emergency plans, and procedures for managing or responding to emergencies shall comply with the provisions of this section.

**Exception:** ~~Firms that have approved on-premises fire-fighting organizations and that are in compliance with approved procedures for fire reporting.~~

#### **IFC Section 503, Fire Apparatus Access Roads:**

**503.2.4 Turning Radius** The required turning radius of a fire apparatus access road shall be determined by the fire code official. The outside radius of a fire apparatus access road shall be a minimum of forty-five (45'). The inside radius of any turn shall not be less than thirty (30') feet.

**503.2.8 Driveways.** Driveways intended for fire apparatus access shall be provided when any portion of an exterior wall of the first story of a building is located more than one hundred fifty (150') feet from a fire apparatus access road. Driveways shall provide a minimum unobstructed width of twelve (12') feet and a minimum unobstructed height of thirteen feet six inches (13'6"). Driveways in excess of one hundred fifty (150') feet in length shall be provided with turnarounds. Driveways in excess of two hundred (200') feet in length and less than twenty feet (20') in width shall be provided with turnouts in addition to turnarounds.

**503.2.9 Turnout.** Turnouts shall be an all weather road surface at least 10 feet wide and 30 feet long. Driveway turnouts shall be located as required by the fire code official.

#### **IFC Section 505, Premises Identification:**

**505.1 Address numbers.** New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Where required by the fire code official, address

numbers shall be provided in additional approved locations to facilitate emergency response. Address numbers shall be Arabic numbers or alphabet letters. Numbers shall be six (6) inches in height with a minimum of three-quarters (3/4) inch stroke for commercial structures under 30,000 square feet, and twelve (12) inches in height with a minimum of one and one half (1 1/2) inch stroke for commercial structures exceeding 30,000 square feet. All suites shall be identified with either a letter or number four (4) inches in height with a minimum of one half (1/2) inch stroke. Numbers and or letters shall be of a contrasting color and be readily visible from the street. Numbers shall be a minimum of 4 inches high with a minimum stroke width of 0.5 inch. Where access is by means of a private road and the building cannot be viewed from the public way, a monument pole or other sign or means shall be used to identify the structure. Address numbers shall be maintained.

#### **IFC Section 507, Fire Protection Water Sources:**

**507.5.1.2 Fire Hydrant Standards.** All new or replacement fire hydrants shall meet the requirement and standards of the Storey County Fire Protection District Policy.

#### **IFC Section 508 , Fire Command Center:**

**508.1 General.** Where required by other sections of this code and in all buildings classified as high-rise building by the International Building Code or wide-rise buildings which by Storey County Fire Protection District definition, exceed 30,000 square feet and are a single story, a fire command center for fire department operations shall be provided and shall comply with sections 508.1.1 through 508.1.5. Commercial structures less than 5,000 square feet will not require any type of command room. Buildings that are a single structure, between 5,000 square feet and 30,000 square feet will require a command room which may be located within the structure in a location agreed upon between the fire district and the developer.

##### **508.1.2 Separation.**

The fire command center shall be separated from the remainder of the building by not less than a 2-hour fire barrier constructed in accordance with Section 707 of the International Building Code or horizontal assembly constructed in accordance with Section 711 of the International Building Code, or both.

##### **508.1.3 Size.**

The fire command center shall be a minimum of 96 square feet with a minimum dimension of 8 feet.

**508.1.5 Required features.** The fire command center shall comply with NFPA 72 and shall contain the following features:

1. The emergency voice/alarm communication system control unit.
2. The fire department communications system.
3. Fire detection and alarm system annunciator.

4. Annunciator unit visually indicating the location of the elevators and whether they are operational.

5. Status indicators and controls for air distribution systems.

6. The fire-fighter's control panel required by Section 909.16 for smoke control systems installed in the building.

7. Controls for unlocking stairway doors simultaneously.

8. Sprinkler valve and water-flow detector display panels.

9. Emergency and standby power status indicators.

~~10. A telephone for fire department use with controlled access to the public telephone system.~~

11. Fire pump status indicators.

12. Schematic building plans indicating the typical floor plan and detailing the building core, means of egress, fire protection systems, fire-fighting equipment and fire department access, and the location of fire walls, fire barriers, fire partitions, smoke barriers and smoke partitions.

13. An approved Building Information Card that contains, but is not limited to, the following information:

13.1. General building information that includes: property name, address, the number of floors in the building (above and below grade), use and occupancy classification (for mixed uses, identify the different types of occupancies on each floor), estimated building population (i.e., day, night, weekend);

13.2. Building emergency contact information that includes: a list of the building's emergency contacts (e.g., building manager, building engineer, etc.) and their respective work phone number, cell phone number, and e-mail address;

13.3. Building construction information that includes: the type of building construction (e.g., floors, walls, columns, and roof assembly);

13.4. Exit stair information that includes: number of exit stairs in the building, each exit stair designation and floors served, location where each exit stair discharges, exit stairs that are pressurized, exit stairs provided with emergency lighting, each exit stair that allows reentry, exit stairs providing roof access; elevator information that includes: number of elevator banks, elevator bank designation, elevator car numbers and respective floors that they serve, location of elevator machine rooms, location of sky lobby, location of freight elevator banks;

13.5. Building services and system information that includes: location of mechanical rooms, location of building management system, location and capacity of all fuel oil tanks, location of emergency generator, location of natural gas service;

13.6. Fire protection system information that includes: locations of standpipes, location of fire pump room, location of fire department connections, floors protected by automatic sprinklers, location of different types of automatic sprinkler systems installed (e.g., dry, wet, pre-action, etc.); and

13.7. Hazardous material information that includes: location of hazardous material, quantity of hazardous material.

14. Work table.

15. Generator supervision devices, manual start and transfer features.

16. Public address system, where specifically required by other sections of this code.

17. Elevator fire recall switch in accordance with ASME A17.1.

18. Elevator emergency or standby power selector switch(es), where emergency or standby power is provided.

19. Facility Fire Pre-Plan (2'x3' laminated map) showing: Ingress Routes, Egress Routes, Fire Lanes, Power Shunt Trip location, Main Fire Alarm Control Panel location, Gas Shunt (must be within 20' of fire control room) location, Address location (must be 12" in height minimum and, contrast in color from main color of building), Electrical Main Panel, All Sub Panel locations, Fire Hydrant locations, Knox Box location, Fire Department Connection location, Post Indicator Valve location (as required) and Outside Screw and Yolk (as required).

20. Disconnect. The main switch for disconnecting the utility power and any alternate power sources shall be in the fire command center. Switches shall be covered to prevent accidental activation. Switches shall interrupt the public utility power feeds and any alternate power sources before entering the building. After the switch is operated, no live electrical panels, conductors, or feeds within the premises shall remain energized excluding the emergency electrical circuits.

21. Main Fire Alarm Control Panel, shall be combination smoke/fire with a writable surface.

22. Gas Shunt (must be within 20' of fire control room.)

23. Knox Box.

24. Fire Department Connection.

25. Post Indicator Valve.

26. Outside Screw & Yolk.

27. In occupancies greater than 55' in height, a fire equipment cache room shall be provided every 5 stories and stocked as specified by the department with jurisdiction. Fire cache room shall be provided and stocked per Storey County Fire request, for buildings or occupancies where it is deemed necessary based on special hazards or

square footage.

#### IFC Section 901 , Fire Protection Systems:

**901.6 Inspection, testing and maintenance.** Fire detection, alarm, and extinguishing systems, mechanical smoke exhaust systems, ~~and~~ smoke and heat vents and commercial kitchen hood ventilation systems shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Non required fire protection systems and equipment shall be inspected, tested and maintained or removed.

**901.7 Systems out of service.** Where a required fire protection system is out of service, the fire department and the fire code official shall be notified immediately and, where required by the fire code official, the building shall either be evacuated or an approved fire watch shall be provided for all occupants left unprotected by the shutdown until the fire protection system has been returned to service. In the event that the service/maintenance contract for any fire protection system is canceled or not renewed, the fire code official shall be notified by the service/maintenance contractor within 24 hours.

Where utilized, fire watches shall be provided with at least one approved means for notification of the fire department and their only duty shall be to perform constant patrols of the protected premises and keep watch for fires.

#### IFC Section 903, Automatic Sprinkler Systems:

**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, Table 903.2.1.

**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.

**Table 903.2.1<sup>a</sup>**  
**Required Automatic Sprinklers by Fire Area, Response Time and Height**  
**For A, B, E, F, H, I, M, S and U Occupancies**  
**Sprinklers are required when any one of the listed conditions is met.**

Fire Jurisdiction	Fire Area <sup>b, c</sup>	Height <sup>d</sup>	Response Time
Carson City Fire	>5000 square feet <sup>e, f</sup>	3 stories or greater	-
East Fork Fire Protection District (Douglas County)	>5000 square feet	3 stories or greater	-
North Lake Tahoe Fire Protection District	≥5000 square feet <sup>g</sup>	2 stories and a basement or 3 stories or greater	-
North Lyon Fire Protection District	≥5000 square feet	3 stories or greater	-
Reno Fire Department	>5000 square feet <sup>h</sup>	3 stories or greater	-
Truckee Meadows Fire Protection District and Sierra Fire Protection District	≥5000 square feet	3 stories or greater	-
Sparks Fire Department	>5000 square feet	3 stories or greater	Over 6 minutes
Storey Fire Department	>5000 square feet	2 stories and a basement or 3 stories or greater	-
Tahoe Douglas Fire Protection District (Douglas County)	All	-	-

a. This table is in addition to any other automatic sprinkler requirements in this code.

b. Fire areas may be separated according to IBC 707.3.10.

c. Any addition or remodel that increases the fire area will be included in the calculation for the total square footage.

d. Airport towers and open parking garages complying with IBC 406.5 are exempt from this table.

e. S-1 and S-2 occupancies are exempt from this table.

f. A one-time increase in the fire area is permitted provided said increase is ≤ 50% of the structure's existing permitted fire area square footage.

g. A one-time increase of 360 square feet of fire area is permitted.

h. Automatic fire detection system installed throughout and connected to a central station fire alarm company can be substituted for automatic sprinkler system.

**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 12,000 square feet (1115 m<sup>2</sup>) 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. In high schools where automatic fire sprinkler systems are provided, the automatic fire sprinkler systems for the automotive and woodworking shops must be designed to Ordinary Hazard, Group 1 automatic fire sprinkler systems criteria.

#### IFC Section 910, Smoke and Heat Removal:

**910.3.2.2 Sprinklered buildings.** Where installed in buildings equipped with an approved automatic sprinkler system, smoke and heat vents shall be designed to operate.

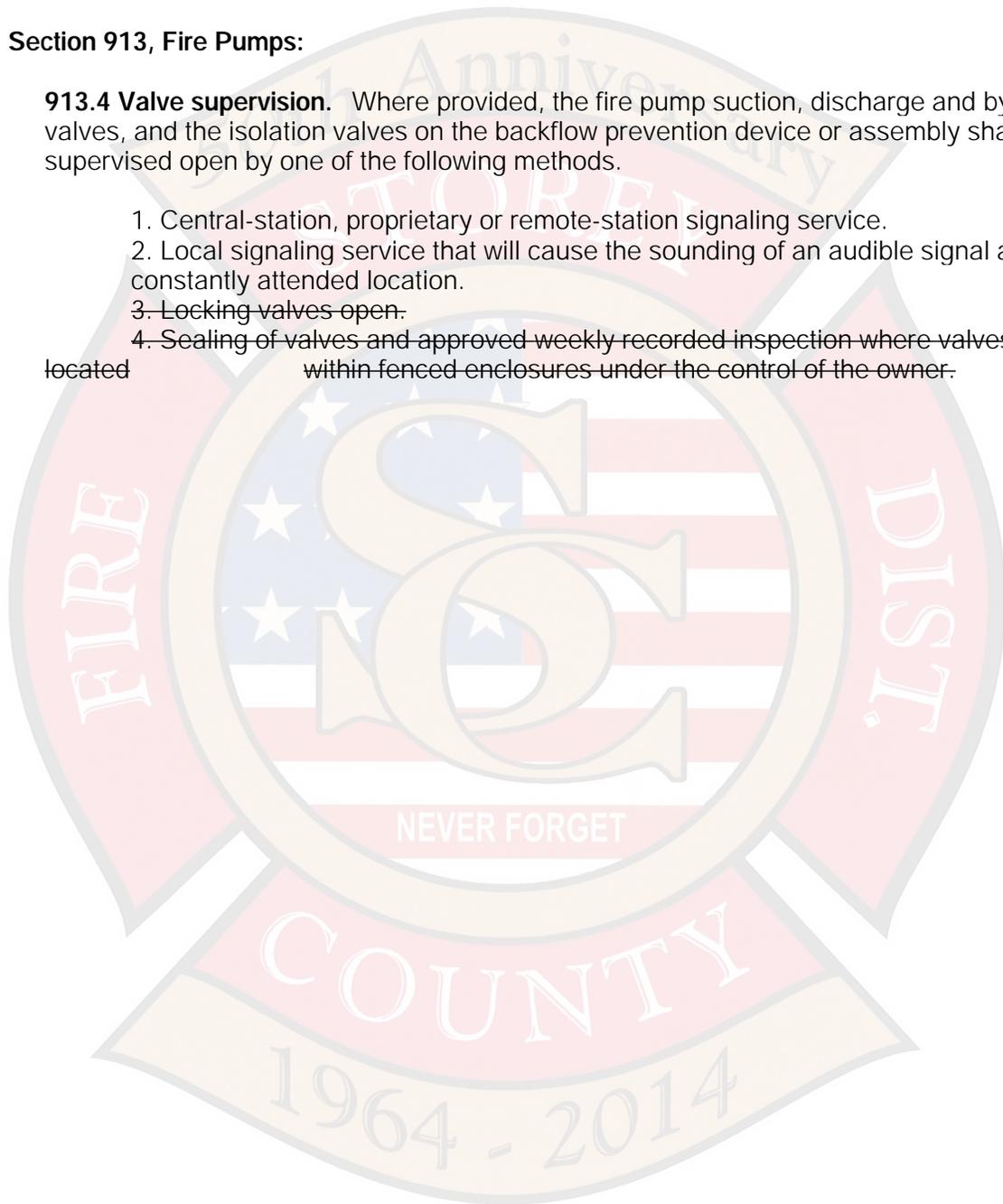
**910.3.2.2.1 Control mode sprinkler system.** Smoke and heat vents installed in areas of buildings with a control mode sprinkler system shall have operating elements with a higher temperature classification than the automatic fire sprinklers in accordance with NFPA 13.

**910.3.2.2.2 Early suppression fast-response (ESFR) sprinkler system.** Smoke and heat vents installed in areas of buildings with early suppression fast-response (ESFR) sprinklers shall be equipped with a standard-response operating mechanism with a minimum temperature rating of 360°F (182°C) or 100°F (56°C) above the operating temperature of the sprinklers, whichever is higher.

**IFC Section 913, Fire Pumps:**

**913.4 Valve supervision.** Where provided, the fire pump suction, discharge and bypass valves, and the isolation valves on the backflow prevention device or assembly shall be supervised open by one of the following methods.

1. Central-station, proprietary or remote-station signaling service.
2. Local signaling service that will cause the sounding of an audible signal at a constantly attended location.
3. Locking valves open.
4. Sealing of valves and approved weekly recorded inspection where valves are located within fenced enclosures under the control of the owner.



IFC Section 1016, Exit Access Travel Distance:

TABLE 1016.2  
EXIT ACCESS TRAVEL DISTANCE<sup>a</sup>

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
A, E, F-1, M, R, S-1	200	250 <sup>b</sup>
I-1	Not Permitted	250 <sup>c</sup>
B	200	300 <sup>c</sup>
F-2, S-2, U	300	400 <sup>c</sup>
H-1	Not Permitted	75 <sup>c</sup>
H-2	Not Permitted	100 <sup>c</sup>
H-3	Not Permitted	150 <sup>c</sup>
H-4	Not Permitted	175 <sup>c</sup>
H-5	Not Permitted	200 <sup>c</sup>
I-2, I-3, I-4	Not Permitted	200 <sup>c</sup>

For SI: 1 foot = 304.8 mm.

a. See the following sections for modifications to exit access travel distance requirements:

Section 402.8: For the distance limitation in malls.

Section 404.9: For the distance limitation through an atrium space.

Section 407.4: For the distance limitation in Group I-2.

Sections 408.6.1 and 408.8.1: For the distance limitations in Group I-3.

Section 411.4: For the distance limitation in Special Amusement Buildings.

Section 1015.4: For the distance limitation in refrigeration machinery rooms.

Section 1015.5: For the distance limitation in refrigerated rooms and spaces.

Section 1016.4: For increased limitation in Groups F-1 and S-1.

Section 1021.2: For buildings with one exit.

Section 1028.7: For increased limitation in assembly seating.

Section 1028.7: For increased limitation for assembly open-air seating.

Section 3103.4: For temporary structures.

Section 3104.9: For pedestrian walkways.

b. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2. See Section 903 for occupancies where automatic sprinkler systems in accordance with Section 903.3.1.2 are permitted.

c. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1

**1016.4 Group F-1 and S-1 increase.** The maximum exit access travel distance shall be 400 feet (122 m) in Group F-1 or S-1 occupancies where all of the following are met:

1. The portion of the building classified as Group F-1 or S-1 is limited to one story in height, and
2. The minimum height from the finished floor to the bottom of the ceiling or roof slab or deck is 24 feet (7315 mm), and
3. The building is equipped throughout with an automatic fire sprinkler system in accordance with Section 903.3.1.1.

## IFC Chapter 11, Construction Requirements for Existing Buildings:

Delete entire chapter 11.

## IFC Section 2809, Exterior Storage of Finished Lumber Products:

**2809.1 General.** Exterior storage of finished lumber products, fire wood, chips, hogged material and associated raw products shall comply with Sections 2809.1 through 2809.5.

## IFC Section 5601, Explosives and Fireworks:

**5601.1.3 Fireworks.** The possession, manufacture, storage, sale, handling and use of fireworks are prohibited.

### Exceptions:

1. Storage and handling of fireworks as allowed in Section 5604.
2. Manufacture, assembly and testing of fireworks as allowed in Section 5605.
3. The use of fireworks for fireworks displays as allowed in Section 5608.
4. ~~The possession, storage, sale, handling and use of specific types of Division 1.4G fireworks where allowed by applicable laws, ordinances and regulations, provided such fireworks comply with CPSC 16 CFR Parts 1500 and 1507, and DOT 49 CFR Parts 100-185, for consumer fireworks.~~

## IFC Section 6101, Liquefied Petroleum Gases:

**6101.1 Scope.** Storage, handling and transportation of liquefied petroleum gas (LP-gas) and the installation of LP-gas equipment pertinent to systems for such uses shall comply with this chapter and NFPA 58. Properties of LP-gases shall be determined in accordance with Appendix B of NFPA 58. In the event of a conflict between any provision in this chapter and the regulations of the Board for the Regulation of Liquefied Petroleum Gas, the regulations of the Board take precedence.

The following International Fire Code appendices are amended:

### Appendix B - Fire Flow Requirements.

#### Section B105, Fire-flow Requirements for Buildings:

##### **B105.2 Buildings other than one- and two-family dwellings.**

The minimum fire-flow and flow duration for buildings other than one- and two-family dwellings shall be as specified in Table B105.1.

**Exception:** A reduction in required fire-flow of up to ~~75~~ 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2. The resulting fire-flow shall not be less than 1,500 gallons per minute (5678 L/min) for the prescribed duration as specified in Table B105.1.

B. Only the following sections and amendments to the 2012 International Wildland Urban Interface Code are adopted:

## **WUI Section 101.2, Scope and General Requirements:**

**101.2 Scope.** The provisions of ~~this code~~ the Wildland Urban Interface Code shall apply to the construction, alteration, movement, repair, maintenance and use of any building, structure or premises and to the management of fuels on undeveloped lots and on unmodified portions of large lots within the wildland-urban interface areas in this jurisdiction.

Buildings or conditions in existence at the time of the adoption of this code are allowed to have their use or occupancy continued, if such condition, use or occupancy was legal at the time of the adoption of this code, provided such continued use does not constitute a distinct danger to life or property.

Buildings or structures moved into or within the jurisdiction shall comply with the provisions of this code for new buildings or structures.

## **WUI Section 106, Appeals:**

**106.1 General.** ~~To determine the suitability of alternative materials and methods 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 members who are qualified by experience and training to pass judgment on pertinent matters. The code official, building official and fire chief shall be ex officio members, and the code official shall act as secretary of the board. The board of appeals shall be appointed by the legislative body and shall hold office at their discretion. The board shall adopt reasonable rules and regulations for conducting its investigations and shall render decisions and findings in writing to the code official, with a duplicate copy to the applicant.~~

**106.2 Limitations of authority.** ~~The board of appeals shall not have authority relative to interpretation of the administrative provisions of this code and shall not have authority to waive requirements of this code. (See section 15.04.080(C))~~

## **WUI Section 302, Wildland-Urban Interface Area Designations:**

**302.3 Review of wildland-urban interface areas.** The code official shall reevaluate and recommend modification to the wildland-urban interface areas contained in the Community Wildland Protection Plan in accordance with Section 302.1 ~~on a three-year-basis or more frequently as deemed necessary by the legislative body as deemed necessary by the code official.~~

## **WUI Section 502, Fire Hazard Severity:**

**502.1 General.** The fire hazard severity of building sites for all buildings hereafter constructed, modified or relocated into wildland-urban interface areas shall be established in accordance with Table 502.1 ~~See also or Appendix C.~~

## **WUI Section 504, Class 1 Ignition-resistant Construction:**

**504.2 Roof covering.** Roofs shall have a Class A roof assembly. For roof coverings where the profile allows a space between the roof covering and roof decking, the space at the eave ends shall be fire stopped to preclude entry of flames or embers, or have one

layer of 72-pound (32.4 kg) mineral-surfaced, non perforated cap sheet complying with ASTM D 3909 installed over the combustible decking. Roof coverings consisting of shakes or shingles made of wood are not approved as part of any Class A roof assembly.

**504.10.1 Vent locations.** Attic ventilation openings shall not be located in soffits, in eave overhangs, between rafters at eaves, or in other overhang areas. Gable end and dormer vents shall be located at least 10 feet (3048 mm) from lot lines. Under floor ventilation openings shall be located as close to grade as practical.

**Exception:** Vents designed and approved to prevent flame or ember penetration into the structure may be located in soffits, in eave overhangs, between rafters at eaves, or in other overhang areas.

#### **WUI Section 505, Class 2 Ignition-resistant Construction:**

**505.10.1 Vent locations.** Attic ventilation openings shall not be located in soffits, in eave overhangs, between rafters at eaves, or in other overhang areas. Gable end and dormer vents shall be located at least 10 feet (3048 mm) from lot lines. Under floor ventilation openings shall be located as close to grade as practical.

**Exception:** Vents designed and approved to prevent flame or ember penetration into the structure may be located in soffits, in eave overhangs, between rafters at eaves, or in other overhang areas.

#### **WUI Section 602, Automatic Sprinkler Systems:**

**602.1 General.** ~~An approved automatic sprinkler system shall be installed in all occupancies in new buildings required to meet the requirements for Class 1 ignition-resistant construction in Chapter 5. The installation of the automatic sprinkler systems shall be in accordance with nationally recognized standards.~~

#### **WUI Section 603, Defensible Space:**

**603.2.1 Responsible party.** Persons owning, leasing, controlling, operating or maintaining buildings or structures requiring defensible spaces are responsible for modifying or removing non fire-resistive vegetation on the property owned, leased or controlled by said person.

**603.2.1.1 Adjacent land.** Property owners of land that is directly adjacent to property containing buildings or structures requiring defensible space are responsible for modifying or removing non fire-resistive vegetation on said property.

**603.2.2 Trees.** Trees are allowed within the defensible space, provided the horizontal distance between crowns of adjacent trees and crowns of trees and structures, overhead electrical facilities or unmodified fuel is not less than 10 feet (3048 mm) or an acceptable distance as determined by the code official.

#### **WUI Section 604, Maintenance of Defensible Space:**

**604.4 Trees.** Tree crowns extending to within 10 feet (3048 mm) of any structure shall be pruned to maintain a minimum horizontal clearance of 10 feet (3048 mm) or an

acceptable distance as determined by the code official. Tree crowns within the defensible space shall be pruned to remove limbs located less than ~~6~~ 10 feet (~~1829~~ 3048 mm) above the ground surface adjacent to the trees; or an acceptable distance as determined by the code official

**604.4.1 Chimney clearance.** Portions of tree crowns that extend to within 10 feet (3048 mm) of the outlet of a chimney shall be pruned to maintain a minimum ~~horizontal~~ clearance of 10 feet (3048 mm).

#### **WUI Section 607, Storage of Firewood and Combustible Materials:**

**607.1 General.** Firewood and combustible material shall not be stored in unenclosed spaces beneath buildings or structures, or on decks or under eaves, canopies or other projections or overhangs. When required by the code official, storage of firewood and combustible material stored in the defensible space shall be located a minimum of ~~20~~ 30 feet (6096 mm) from structures and separated from the crown of trees by a minimum horizontal distance of 15 feet (4572 mm).

#### **Appendix B, Vegetation Management Plan.**

##### **WUI Section B101, General:**

**B101.1 Scope.** Where required vegetation management plans shall be submitted to the code official and the State Forester Fire warden for review and approval as part of the plans required for a permit.

**B101.2 Plan content.** Vegetation management plans shall describe all actions that will be taken to prevent a fire from being carried toward or away from the building. A vegetation management plan shall include at least the following information:

1. A copy of the-site defensible space plan.
2. Methods and timetables for controlling, changing or modifying areas on the property. Elements of the plan shall include removal of slash, snags, vegetation that may grow into overhead electrical lines, other ground fuels, ladder fuels and dead trees, and the thinning of live trees.
3. A plan for maintaining the proposed fuel-reduction measures.

##### **WUI Section B102, Defensible Space Plans.**

**B102.1 General.** Where required, defensible space plans must be submitted to the code official for review and approval as part of the plans required for a permit.

**B102.2 Plan content.** A defensible space plan shall include at least the following information:

1. Property boundaries.
2. Current and proposed structures on the property.
3. Trees and vegetation taller than 3 feet in height.
4. Individual plant or brush fields 20 square feet or larger in area.
5. Tree drip lines.
6. Roads and driveways in abutting the property.

C. All sections of the International Fire Code and the International Wildland Urban Interface Code adopted in section 15.04.010 that refer to a board of appeals are amended and in order to hear and decide the appeals of orders, decisions, or determinations made by the fire chief, the following process will be used:

1. Any person dissatisfied with the decisions of the fire chief as applied to the person's case may appeal the decision in writing to the state fire marshal for relief within thirty days from the decision of the fire chief. The state fire marshal must make a decision to uphold or reverse the decision of the building official. The decision of the state fire marshal is final and the fire chief must implement the decision.

2. If the state fire marshal agrees with the fire chief the person may pursue his legal remedies before the appropriate tribunal.

~~A. Approved numbers or addresses shall be placed on all new and existing building or positioned on property as to be plainly visible and legible from the street or road fronting the property. Numbers shall be at least five inches in height and be of a contrasting color with their background.~~

~~—B.—Key Boxes on Commercial Business and Residences with Automatic Alarm Systems. When access by emergency personnel to or within a structure or property is unduly difficult because of secured openings and where immediate access is necessary for lifesaving or firefighting purposes, the designated fire official may require a key box to be installed in an accessible location on building or property. The chief may require commercial buildings and residences with automatic alarm systems to be provided with key boxes. The key box shall be a type approved by the designated fire official and shall be approved prior to installation. Such key boxes shall contain the following:~~

- ~~1. Keys to all locked points of exterior entry of building;~~
- ~~2. Keys to all locked interior doorways;~~
- ~~3. Keys to locked mechanical rooms;~~
- ~~4. Keys to locked fire equipment rooms;~~
- ~~5. Keys to locked electrical rooms;~~
- ~~6. Keys to elevator controls;~~
- ~~7. Keys to other areas of the building or property as directed by the designated fire official.~~

~~—C.—Required Access. Fire apparatus access roads shall be provided for every facility, building or portion of a building constructed or moved into or within the jurisdiction when any portion of the facility or any portion of an exterior wall of the first story of the building is located more than one hundred fifty feet from the fire apparatus access as measured by an approved route around the exterior of the building or facility.~~

~~—D.—Surface. Fire apparatus access roads shall be designed and maintained to support the imposed loads of the fire apparatus and shall be provided with a surface so as to provide all weather driving capabilities.~~

~~—E.—Turning Radius. The turning radius of a fire apparatus access road shall must be as approved by the fire chief.~~

~~—F.—Dead Ends. Dead end fire apparatus access road in excess of one hundred fifty feet in length shall be provided with approved provisions for the turning around of fire apparatus.~~

~~—G.—Fire Break Clearance. A minimum thirty foot fire break clearance around the structure must be provided and maintained per NRS 472.041. This must be completed prior to issuances of a certificate of occupancy or safety seal.~~

#### **15.04.090 Violation--Criminal penalty.**

Any person, firm, or corporation violating any provision of this chapter is guilty of a misdemeanor. (Ord. 13-249, 2013; Ord. 172 § 1(part), 2000)



**Appendix B : Commodity and Classification of Racking**

Type of Storage:  Palletized  Solid Pile  Shelf  Bin Box  High Rack

Entire storage design based upon worst case commodity class:  Yes  No

Mixed Commodity:  Yes  No

If based on mixed commodity, is the design approach as lower commodity class  or commodity segregation

Business Name:

Address:

Date:

Rack ID or Area ID	Storage Height	Ceiling Height and Slope	Commodity Class	Rack: # of tiers	In Rack Sprinklers <input type="checkbox"/> Yes <input type="checkbox"/> No	Wet or Dry System	Ceiling Sprinkler: <input type="checkbox"/> Standard <input type="checkbox"/> Large <input type="checkbox"/> Drop <input type="checkbox"/> ESFR	Sprinkler Temp:	Sprinkler K Factor	Sprinkler Coverage Area	Design Area and Density	Ceiling Design Curve Used (Provide Reference)	Design Adjustments

**Commodity Class and Type of Storage :** The commodity class should be determined from the inventory provided by the architect or owner. The inventory should describe the product, provide the weight or package volume of the amount of plastic or rubber, how the product is packaged, if stacked on wood or the type of plastic pallet, and if encapsulated or not. This information must accompany this code study so the plan reviewer can verify the commodity classification. State the type of storage i.e, pallet, shelf, bin box, or rack.

**Column Legend:** If the entire storage area is going to use the worst case commodity class, still provide a row of design information. Also, use NA if column is not applicable.

**Rack ID or Area ID:** The architectural floor plans should have designated the rack or storage locations and the inventory commodity classification for each rack or storage area. From that information denote in the column the designation of the rack or area to be covered by the sprinkler design specified in the same row of the code study. Provide a copy of the architectural floor plan that shows rack and its commodity class.

**Commodity Class:** The commodity class should be determined from the product inventory provided by the design professional. The inventory should describe the product, provide the weight or package volume of the amount of plastic or rubber, how the product is packaged, if stacked on wood or the type of plastic pallet, and if encapsulated or not. This information must accompany this code study so the plan reviewer can verify the commodity classification.

**Sprinkler Used:** indicate the type of ceiling sprinklers that installed. If in-rack sprinklers are provided, indicate the type of intermediate level sprinkler used. Provide the equipment data sheet for the sprinklers used to protect the high piled combustible storage.

**Design Adjustment:** Provide the NFPA code reference, table, and associated figure reference and the adjusted percentage from your design adjustments are taken. These design adjustment percentages are related to storage height, dry or wet system, encapsulated or not, extra in-rack sprinklers and footnotes.

**In-Rack Sprinkler, FES, Provide Reference:** Provide the NFPA code reference, table and associated figure reference used for the in-rack sprinkler design.