

**APPLICATION FOR COMMERCIAL CONSTRUCTION
FIRE AND LIFE SAFETY PLAN REVIEW**

All information below shall be provided. This document must be completed in its entirety or the review may be rejected or suspended for lack of information. This application and permit applications must be turned in to the District Office. All plans shall be submitted to Nevada Blue per NLCFPD SOP for electronic Plan review submittal.

PROJECT INFORMATION

Project Name: _____

Project Address: _____ APN: _____

City: _____ State: _____ Zip: _____

Project Phone: _____ Contact Person: _____

Email: _____

PROJECT DESCRIPTION

Building Use (Describe building use, type of business and material to be stored in detail)

TYPE OF SUBMITTAL

Project Square Footage: _____ Occupancy Classification: _____ (2012 IBC)

Type of Construction: _____ (2012 IBC) Special Application: _____ (2012 IBC)

Plan Review Fee: _____ Valuation of Project: _____

TYPE OF REVIEW REQUESTED

New Construction Remodel Addition Tenant Improvement

Fire Alarm System Commercial Hood System Automatic Fire Sprinkler System

Other, Specify: _____

CONTRACTOR INFORMATION

Name or Firm: _____

Address: _____

Contact Number: _____ Email: _____

City of Fernley Business License # _____

State of Nevada Contractor License # _____

PARCEL/OWNER INFORMATION

Name: _____

Address: _____

Phone: _____ Fax: _____

ARCHITECT/ENGINEER

Name: _____

Address: _____

Phone: _____ Email: _____

The fee for each review is based on the valuation of the project. The valuation calculated will be applied to the fee schedule to determine the plan review fee. All aspects of the proposed project will be used in computing the valuation for which the review permit is issued, including all finish work, painting, roofing, plumbing, electrical, heating, cooling, specialty items and other permanent equipment related to building operation. Contract costs or actual values will not be accepted in determining the plan review fee for NEW CONSTRUCTION and REMODEL CONSTRUCTION. Contract fees will be accepted for automatic fire alarm systems, hood and duct systems and other similar reviews and upon submission of verification and or actual proof. Permit fees will be added to the plan review fees and charged accordingly.

PLAN REVIEW FEES MUST BE PAID IN FULL BEFORE ISSUANCE OF A BUILDING PERMIT

The North Lyon County Fire Protection District requires the following information for any and all plans submitted for review. Please check that all of the following documents are in the plan review submittal and all required information has been provided. A plan review cannot be completed without the following information submitted in full at time of review request. Plan submittal document requirements and plan reviews are based on the *2012 International Fire and Building Codes, North Lyon County Fire Protection and City of Fernley amendments to the code.*

- All documents shall be drawn to scale, with the scale provided. The documents shall include a north arrow.
- All documents shall indicate the location, nature and extent of work to be performed and shown in detail that it will conform to the provisions of the above codes, laws, ordinances, rules and regulations.
- Shop drawings for the fire protection system(s) shall be submitted to indicate conformance with all adopted and referenced codes and the construction documents shall be approved prior to system installation. Sprinkler plans shall include all relevant data in accordance with NFPA 13 and 25. All FDC and PIVs for sprinkler systems shall be remotely located. FDCs and PVI will require Knox plugs or locks. All sprinkler risers shall be located in a separated room of 1-hour construction and accessible from the exterior of the building. All fire alarm systems shall include plans and specifications per NFPA 72. All Building will have Knox box access. Commercial hood, duct and automatic cooking extinguishing systems shall include all specifications.

- Location, construction, size and character of all portions of the means of egress in compliance with the provisions of the above codes. In other than Groups R-2, R-3, as applicable in Section 101.2, and I-1, the construction documents shall designate the number of occupants to be accommodated on every floor, and in all rooms and spaces. An exit analysis shall be provided.
- A site plan showing to scale the size and location of new construction and existing structures on the site and distances from lot lines.
- Fire department access roadways and driveways shall be shown and dimensioned.
- The location of existing fire hydrants within 400 feet of all portions of the building, if unsprinklered, 600 if sprinklered, shall be shown on the site plan.
- Floor plan drawn to scale showing all dimensions, including exterior elevations.
- Schedules indicating the rating of any fire assemblies, walls, floor/ceiling, roof/ceiling, windows, dampers and doors.
- Mechanical drawings, including the sizes and CFM of HVAC equipment, detail of fire or smoke dampers and hood/duct system details.
- Electrical drawings including emergency systems.
- Where hazardous, combustible, flammable materials are used or stored. Include quantities used and stored within the building.

- A floor and site plan of the building shall be provided at time of building final. The plans shall be submitted to Nevada Blue. Please show the scale and electrical panel locations on the floor plan. On the building site plan, please show hydrant locations, in feet, and locations of the gas and electrical shut-offs on the exterior of the building, lock box location, annunciator panel and FDC/PIV. Depending on the building and type of occupancy, additional features of the building may be required to be shown on the plans. Please provide two copies.

The business/building owner shall not be charged for initial inspection. If the business/building owner/contractor has failed to comply with the requirements of the code, the business/building owner/contractor shall be billed for that inspection and any subsequent inspection, an initial fee of \$50.00. An additional fee of \$25.00 for each 15 minutes after the first one-half hour that the inspector has to spend on code compliance for the building/business will be charged.

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. The following pages may be reproductions.

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 license number and signature. All contractors shall possess a City of Fernley and State of Nevada Business License in order to submit plans and commence work in Fernley City limits/Lyon County.

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.

Note: Incomplete information or submittal will result in rejection or suspension of review process. Please provide any additional information important to the project. NLCFD notes must be included on plans. They are included on the last page of this application.

NAC 477.750 Fees; review by local government. (NRS 477.030, 477.031, 477.033, Lyon County Code Title 6)

1. Any plans and specifications submitted to the North Lyon County Fire Protection District for review must be accompanied by the appropriate fee based upon the proposed cost of construction or if a bid is accepted, the actual bid.

Plan Review Fees: Plan Review Fees shall be assessed based upon the following project valuation schedule using the valuation method.

\$1-4,000	\$109.73	38,001-39,000.....	434.94	74,001-75,000	654.89
4,001-5,000	118.47	39,001-40,000.....	442.37	75,001-76,000	660.17
5,001-6,000	129.03	40,001-41,000.....	449.96	76,001-77,000	665.45
6,001-7,000	139.59	41,001-42,000.....	457.55	77,001-78,000	670.73
7,001-8,000	150.15	42,001-43,000.....	465.14	78,001-79,000	675.84
8,001-9,000	160.71	43,001-44,000.....	472.56	79,001-80,000	686.40
9,001-10,000	171.20	44,001-45,000.....	480.15	80,001-81,000	691.68
10,001-11,000	181.67	45,001-46,000.....	487.74	81,001-82,000	700.26
11,001-12,000	192.23	46,001-47,000.....	495.33	82,001-83,000	702.24
12,001-13,000	202.79	47,001-48,000.....	502.76	83,001-84,000	707.52
13,001-14,000	213.35	48,001-49,000.....	510.35	84,001-85,000.....	712.80
14,001-15,000	223.91	49,001-50,000.....	517.94	85,001-86,000.....	718.08
15,001-16,000	234.30	50,001-51,000.....	523.22	86,001-87,000.....	723.36
74,001-75,000	654.89	51,001-52,000.....	528.50	87,001-88,000.....	728.64
16,001-17,000	244.86	52,001-53,000.....	533.76	88,001-89,000.....	733.92
17,001-18,000	255.42	53,001-54,000.....	539.06	89,001-90,000.....	739.20
18,001-19,000	264.33	54,001-55,000.....	544.17	90,001-91,000.....	744.32
19,001-20,000	276.54	55,001-56,000.....	549.45	91,001-92,000.....	749.60
20,001-21,000	287.10	56,001-57,000.....	544.73	92,001-93,000.....	754.88
21,001-22,000	297.66	57,001-58,000.....	560.01	93,001-94,000.....	760.16
22,001-23,000	308.06	58,001-59,000.....	565.29	94,001-95,000.....	765.44
23,001-24,000	318.62	59,001-60,000.....	570.57	95,001-96,000.....	770.72

24,001-25,000	329.18	60,001-61,000.....	575.85	96,001-97,000.....	776.00
25,001-26,000	336.77	61,001-62,000.....	581.13	97,001-98,000.....	781.28
26,001-27,000	344.36	62,001-63,000.....	586.41	98,001-99,000.....	786.56
27,001-28,000	351.78	63,001-64,000.....	591.69	99,001-100,000.....	791.83
28,001-29,000	359.37	64,001-65,000.....	596.97	100,001 +	see below
29,001-30,000	356.97	65,001-66,000.....	602.25		
30,001-31,000	374.55	66,001-67,000.....	607.37		
31,001-32,000	381.98	67,001-68,000	612.65		
32,001-33,000	389.57	68,001-69,000	617.93		
33,001-34,000	397.16	69,001-70,000	623.21		
34,001-35,000	404.75	70,001-71,000	633.77		
35,001-36,000.....	412.17	71,001-72,000	639.05		
36,001-37,000.....	419.76	72,001-73,000	644.32		
37,001-38,000.....	427.35	73,001-74,000	649.61		

If the proposed cost or bid is more than \$100,000 but less than \$500,000, the fee is \$797.12 for the first \$100,000 plus \$4.04 for each additional \$1,000 or fraction thereof of the proposed cost or bid.

If the proposed cost or bid is \$500,000 or more but less than \$1,000,000, the fee is \$2,414.12 for the first \$500,000 plus \$3.56 for each additional \$1,000 or fraction thereof of the proposed cost or bid.

If the proposed cost or bid is \$1,000,000 or more, the fee is \$4,171.37 for the first \$1,000,000 plus \$2.48 for each additional \$1,000 or fraction thereof of the proposed cost or bid.

If a conference is required for any given project, one 60 minute conference will be provided free of charge by NLCFPD per project. If additional conferences/meetings are necessary, a fee will be charged at the rate of \$55 per hour or any fraction thereof for each person from NLCFPD, or its agents, required to attend the conference.

I certify that I have read and understand this application and state that the above information is correct. I agree to comply with all North Lyon County Fire Protection District (District) ordinances and State laws relating to building construction, and hereby authorize representatives of the District to enter the above-mentioned property for inspection purposes. I certify that I have a legal right to apply for this commercial building permit and to authorize entry. Additionally, I certify that this application is in conformity with all conditions, covenants and restrictions, I have received all approvals required, and that all deed restrictions of record apply to and limit the use of this property.

I understand and agree that the District has no obligation to explain every requirement and ordinance to me prior to or during the course of this project. Furthermore, I understand that any and all District, City/County or State laws or ordinances are enforceable at any time, with or without prior notification. The issuance of a permit based on plans, specifications and other construction documents shall not prevent the District from thereafter requiring the corrections of errors in said plans, specifications and other construction documents, or preventing building operations be carried on there under when in violation of District, City/County or State laws or ordinances.

Signature *Date*

Print Name *Title (architect, contractor, etc.)*

Project Address (address numbers and street name only)

The following notes shall be placed on all architectural building and tenant improvement plans and identified as **"FIRE DISTRICT NOTES"**.

North Lyon County Fire Protection District

FIRE DISTRICT NOTES

1. All code references are to be in compliance the following 2012 Edition Codes:
 - International Fire Code (IFC)
 - International Building Code (IBC)
 - Uniform Mechanical Code (UMC)
 - Uniform Plumbing Code (UPC)
 - National Electrical Code (NEC)
2. Fire District inspections area required. Schedule all inspections 4 days in advance. Phone (775) 575-3310.
3. A detailed letter clearly identifying all intended use(s) and operation(s) of the structure(s) shall be provided to the fire department along with the submittals for review.
4. When the project involves the construction of a new structure or an addition to an existing structure, plans and documents for fire department access, fire hydrant locations, water availability, and fire lane markings shall be submitted to the fire department prior to the approval of architectural plans. A City of Fernley approved site plan shall be submitted along with the architectural plan submittal(s).
5. This plan review or approval encompasses the building plans only. Fire sprinkler system(s), alarm system(s), underground fire lines or any other fire protection system or required fire department permit(s), requires a separate plan submittal and are not encompassed in this plan review or approval.
6. All weather access roads shall be approved District and in place prior to any combustible materials placed onsite. Access roads shall be maintained clear of obstructions. **IFC, Art. 9**
7. Access shall be in compliance with the International Fire Code (IFC), section 902, and Fernley City guidelines. A separate plan submittal and approval by the Fire District is required prior to construction.
8. Provide 12 inch address numerals on the street address side or the building(s). Address numerals shall be a color contrasting to the background. Addresses shall be located so they area clearly visible from the main fire department access.
9. Provide 6 inch address numerals on each suite(s) or unit(s) front and rear doors. Numerals shall be a color contrasting to the background.

10. Plans of new or modifications to existing fire protection, detection, alarm or monitoring system(s) shall be approved by the District prior to installation or modification. A separate plan submittal is required prior to the commencement of any work. **IFC, Article 10**
11. If additions of walls and/or other tenant improvements obstruct or effect coverage or performance of the fire sprinkler system and/or if any modifications to the fire sprinkler system is necessary, fire sprinkler tenant improvement plans shall be submitted to the District for approval prior to installation or alteration(s). **NFPA 13**
12. All fire sprinkler systems are required to be monitored at a central, remote or proprietary station. Fire alarm system(s) shall be provided and plans submitted to the District for approval prior to installation.
13. Assembly occupancies shall post a, "MAXIMUM OCCUPANT LOAD OF _____ PERSONS", sign near the main exit from each room.
14. Signage above main exit doors with one-inch letters is to read, "This door to remain unlocked when occupied". **IFC, Art. 1207**
15. All exit doors shall be openable from inside without the use of a key or special knowledge or effort. All "A" Occupancy classifications shall be provided with panic hardware for the exit doors. **IFC, Art. 1207**
16. Provide fire-rated hardware in all rated assemblies.
17. Location(s) and classification(s) of fire extinguishers shall be in accordance with the Nevada State Fire Marshal and the International Fire Code Standard 10-1 and placement is subject to the fire inspector prior to Fire Clearance for the Certificate of Occupancy to be issued by the building department. **IFC, Article 10**
18. Hazardous equipment or operations (spray booths, industrial ovens, etc.), shall be approved by the District prior to installation or modification. A separate plan submittal is required prior to the commencement of any work. **IFC, Article 10**
19. Storage, dispensing or use of any flammable or combustible liquids, flammable or compressed gases, or any other hazardous materials shall comply with Nevada Administrative Code. The storage and use of hazardous materials shall be approved by the District prior to any materials being stored, or used on site. A separate plan submittal is required prior to the storage and use of hazardous materials. **IFC, Article 79 & 80**
20. All building(s) shall be approved for high-piled storage (materials in closely packed piles or on pallets, or in racks where the top of storage is exceeds 12 in height, 6 feet for Group A plastics and certain other hazardous commodities) or aerosols products. High-piled and Aerosol stock shall be approved by the District prior to materials being stored on site. A separate plan submittal is required for high-piled storage or aerosol storage in accordance with the International Fire Code, Articles 81 and 88. **IFC, Art. 81, 88**

21. Commercial and industrial occupancies, speculative use buildings, (Spec Buildings) with potential for high-piled storage (HPS) and/or wherein no specific use has been identified at time of plan review submittals, the fire sprinkler design density shall be a minimum density of .45 GPM/square foot for a 2,000 square foot design area. Fire sprinkler heads shall be 268°F for these building areas. **NFPA 13**
22. An automatic extinguishing system(s) shall be provided to protect commercial-type food heating and processing equipment that produces, grease laden, vapors. A separate plan submittal is required for installation of the system and shall be in accordance with IFC, Art. 10, NFPA 17A, and 96. **IFC, Art. 10**
23. All gas and electrical power under cooking hood(s) shall shut down upon actuation of the hood fire suppression system.
24. Provide illuminated exit signs at all exits and throughout the building to provided clear direction to the building exits [IBC 1003.2.8]. All exit signs shall have emergency power when two or more exits are required per [IBC 1003.2.8.5; CEC 700].
25. An Emergency Means of Egress Illumination shall be provided throughout ALL areas of the building. A minimum of 1-foot candle of illumination shall be provided at the floor level [IBC 1003.2.9]. All Emergency Means Of Egress Illumination shall be provided with emergency secondary power when the Means Of Egress System serves and occupant load of 100 or more as required per [IBC 1003.2.9.2; CEC 700].
26. HVAC **Unit or System** >2000 CFM shall have automatic smoke duct-detectors installed and connected to the building fire alarm system. **UMC Sec. 608**
27. All duct smoke detectors installed in HVAC systems located in **multi-tenant occupancies are to receive their primary power from the fire alarm system** and not the building or HVAC power.
28. Provide velocity calculations for each duct detector location installed. The calculation is to include the duct size at point of installation, CFM of the air-handler, and velocity for all modes of operation including economizer mode. **NFPA 72-5-11.6.6**
29. Provide remote LED Annunciator(s) and remote test station for each duct detector located above the ceiling and below the roof. **NFPA 72-11.6.4**
30. All roof or exterior mounted duct-smoke detectors shall be listed as an exterior assembly per U.L. and NSFM.
31. Actuation of smoke/fire dampers and fire-rated door assemblies with magnetic holders shall comply with IBC 713.10, 905.9.3(4) for passive smoke control systems.

32. Building access and/or gate access is required. Provide a Knox box at the following location:

- Building main entrance
- Gate(s)
- Electrical/Mechanical rooms
- Locations as indicated
- M.S.D.S. documents
- _____

Note attached notes need to be included on plans submitted for Alarms or Sprinkler Systems.

STANDARD DISTRICT FIRE ALARM NOTES

PLEASE INCLUDE ON ALL PLANS

The following information shall be on the title sheet of the blueprints under the heading of:

District Required Information:

1. The applicable codes and standards used for system design and installation are the 2012 IFC, IBC, UMC, UPC and 2013 NFPA 72.
2. The building construction type and occupancy classification in accordance with International Building Code (IBC).
3. Project location, including the full address of the facility containing the alarm system, name and phone number of the project coordinator, facility owner and system designer. [IFC]
4. The performance class and style of each initiating device circuit (IDC), signaling-line circuit (SLC), and notification appliance circuit (NAC). [NFPA 72]

Provide the following notes verbatim in blue line on the plan:

- A. At completion of the project, a copy of "as built" drawings shall be provided to the owner/occupant along with written operating instructions, and maintenance/testing information for the fire alarm system. A 24-hour emergency response phone number, for the alarm company representative shall be permanently installed adjacent to the control panel. [IFC]
- B. After installation and testing has been completed and witnessed by a Fire Inspector from District, a completed NFPA Certificate of Compliance shall be issued from the installing company and provided to the fire prevention department and business owner. [IFC]
- C. All equipment, e.g. automatic detection devices, manual pull stations, duct detectors, etc, shall be located in accordance with their listing(s), and all exterior devices shall be listed for outdoor use. [IFC; NFPA 72]
- D. Manual pull or break glass stations shall be mounted at a height of 36-inches to 54-inches on center from finished floor. Manual pull or break glass stations shall be located in the normal path of all

exiting at every exit from every level and spaced at a distance not to exceed 200 feet. [NFPA 72; IFC]

- E. Sprinkler system water flow alarm and supervisory initiating devices and their circuits located outside of buildings shall be so designed and installed that they cannot be readily tampered with, opened, or removed, without initiating a signal. In addition, all cable used in wet/damp or underground locations shall be listed for this use. [NFPA 72]
- F. Central Station Monitoring Facility (CSMF) shall be identified on the drawings including the name, address, phone number, and copy of the U.L. or F.M. listing number and certificate. [NFPA]
- G. Through penetration fire stopping for all fire rated walls, floor/ceilings and assemblies shall have an "F" or "T" rating per the IBC and standards. Fire stopping detail(s) with UL System Number shall be provided on the blueprints. All Fire Stopping shall comply with an approved "F" and "T" methods. This will be field inspected. [IBC]



North Lyon County Fire Protection District

195 East Main Street

Fernley, Nevada 89408

District Office (775) 575-3310 District Fax (775) 575-3314

STANDARD FIRE SPRINKLER NOTES **PLEASE INCLUDE ON ALL PLANS**

District Fire Sprinkler Notes:

1. The District will require the following inspections and tests as a minimum:
 - Thrust block pre-pour, trench and backfill inspection.
 - Underground hydrostatic test.
 - Underground flush.
 - Weld Inspection (Fire Sprinkler)
 - Overhead installation and hydrostatic test.
 - Final fire sprinkler and underground inspections.Contact the District 48 hours in advance to schedule and inspection.
2. The installation of the sprinkler system shall comply with the following:
 - NFPA 13 2008 edition.
 - International Building Code 2012 edition.
 - International Fire Code 2012 edition.
3. In addition to and exterior bell, an interior audible device shall be provided at a normally occupied location and be provided with a sign stating "FIRE SPRINKLER ALARM – WHEN ALARM SOUNDS CALL 9-1-1"
4. Upon completion of the sprinkler system, the owner shall be provided with a copy of NFPA 25.
5. Automatic fire sprinkler systems design shall be limited 90 percent or the available water supply in hydraulically calculated systems.
6. If a system riser is to be connected by means of a wall, soffit, column, or other building construction it shall be provided with an opening with a minimum dimension of two feet six inches wide by six feet eight inches tall.
7. All control valves and water flow switches on all sprinkler systems shall be electronically monitored.
8. The end sprinkler on a line shall be restrained against excessive vertical and lateral movement by use of a wrap-around U-hook or by other approved means.
9. All electrical rooms, upright sprinklers at the roof or in the attic space, or exterior sprinkler heads shall be of an intermediate temperature head.