



333 N Rancho Drive Suite
500 Las Vegas, NV 89106
(702) 229-0366
Lvfireprevention@lasvegas
nevada.gov

LAS VEGAS FIRE & RESCUE

FIRE PREVENTION DIVISION



Fire Protection Report Development and Processing Guide

Scope

This guide for Fire Protection Reports (FPR) is not intended to be a re-print of the code language but assist authors in the preparation of a Fire Protection Report as required by the Fire Code adopted by the City of Las Vegas in Sections 104.7.2, 901.2.2 respectively. Such reports are required for facilities with complex fire protection aspects and design challenges. Such facilities include but are not limited to: High-Rise, covered mall and atrium buildings, hospitals, Institutional uses, special processes and similar as determined by the Fire Code Official.

A Fire Protection Report (FPR) shall be prepared by a State of Nevada architect or professional engineer working their area of their expertise.

The primary objective of a Fire Protection Report is to describe how the multiple fire protection systems and features interrelate to provide the prescriptive or performance level of code compliance and to assist project coordination for phased or long term projects among all of the design professionals. Specialty fire protection contractors will base their system or process design based on such Fire Protection Reports.

When a Tenant Improvement is conducted or modifications to a building within an existing location that previously had an approved Fire Protection Report, the following items as indicated in adopted Fire Code will trigger that a Fire Protection Report (FPR) be prepared and submitted to the Fire Protection Engineering office for review. Refer to adopted code for a complete list of tenant improvements and remodel Fire Protection Reports.

Section I – Fire Protection Report Requirements

- a. A title page including the type of facility, address, business name, date and the preparer of the report.
- b. A table of contents with Introduction expressing the:
 1. The key issues
 2. General Description
 3. Design team
 4. Applicable codes and standards
- c. Occupancy Classification
- d. Fire resistive Separations
- e. Structural Fire-Resistance
 1. Construction type(s)
 2. Combustible materials
 3. Structural Frame
 4. Exterior walls

- 5. Floor construction
 - 6. Roof construction
- f. Compartmentation
 - 1. Fire walls
 - 2. Fire barriers
 - 3. Shafts
 - 4. Smoke barriers
 - 5. Fire doors
 - 6. Fire dampers
 - 7. Smoke dampers
 - 8. Identification
- g. Interior Finishes and decorative Interiors
 - 1. Wall and ceiling finishes
 - 2. Floor finishes
 - 3. Decorations and trim
- h. Egress
- i. Fire Suppression
 - 1. Automatic fire sprinklers
 - 2. Standpipes
 - 3. Water supply
 - 4. Fire pump
- j. Fire Detection and occupant notification
 - 1. Fire alarm system
 - 2. Initiation devices
 - 3. Supervisory signals
 - 4. Emergency voice alarm signaling system
 - 5. Speaker locations
 - 6. Secondary response point(s)
- k. Elevators
 - 1. Recall
 - 2. Manual firefighter overrides
 - 3. Emergency operations
- l. Emergency and standby power
 - 1. Generator
 - 2. Systems on emergency or standby power
- m. Fire Department operations
 - 1. Access
 - 2. Emergency radio communications systems
 - 3. Fire Command Center
- n. Smoke control
 - 1. Zones
 - 2. Passive or active zones
 - 3. Fans
 - 4. Supervision
 - 5. Ductwork
 - 6. Firefighters some control panel(s)
 - 7. System response times
 - 8. Special inspections
 - 9. Functional matrices
- o. Detailed design, commission and maintenance

- p. Conclusion and Appendices
 - 1. Referenced plans
 - 2. Any request for alternative method of design
 - 3. Any rational analysis documentation

Section II – Phased Projects

For long term/phased projects with multiple phase design and construction and time-frames a Fire Protection report shall be developed and submitted

- a. The phasing plan shall be developed in coordination with Las Vegas Fire & Rescue Fire Protection engineering staff and with City of Las Vegas Building & Safety.
- b. Temporary fire protection items shall be addressed within the phasing Fire Protection Report.
 - 1. Automatic fire sprinklers
 - 2. Fire detection and occupant notification systems
 - 3. On-Site fire protection water supplies
 - 4. Emergency fire department access routes

Section III – Submittal Requirements

- a. No less than five (5) Fire Protection Reports shall be submitted to the Fire Protection Engineering Section for review.
- b. When required, the Fire Protection Report will be processed into the City of Las Vegas data base Community Development Review system (CDR) for permit number and review fee generation.
- c. Base fees will be generated for the review and provided to the customer for initial payment. Once initial payment has been received, the submittal will be placed in to the queue for review by staff. (10 working days).
- d. Upon report review/approval, author will be notified of any additional fees required that report is ready for pick-up.

Section IV – Appendices

Reduced size drawings depicting the following shall be included but not limited to:

- a. Site plan including property lines
- b. Plan and elevation views
- c. Plan views of all floors or levels showing:
 - 1. Fire Pump room(s)
 - 2. Any secondary water supplies
 - 3. Fire Department connections
 - 4. Emergency vehicle apparatus access roads
 - 5. Emergency generator location(s)
 - 6. Fire Command Center and Secondary response location if provided
 - 7. Fire alarm panel locations
 - 8. Any locations/spaces classified as hazardous occupancies
 - 9. Pressurized Stair locations
 - 10. Alarm notification / sprinkler zoning
 - 11. Mechanical Smoke control/management zoning. (To verify notification/initiating coordination)
 - 12. Fire alarm initiating device matrices
- d. Any modeling for anticipated fire size and associated exhaust rate for smoke control/management systems.