

Fire and Life Safety Reports Checklist

1.	Building Description/ Introduction	 Project Address/ Cross Streets Intended use and occupancy groups Construction type(s) Building height Number of floors above/below grade Area per floor (s.f.) Total area (s.f.) Seismic design/ Risk category
2.	Applicable Codes, Standards, Laws and Regulations/ Testing Criteria	See current list of adopted codes and standards NFPA 25, 72, 92, 70,4,3, etc.
3.	Design Responsibility Fire Protection and Life Safety Commissioning Team	 Project design professional in responsible charge Architect Design Team (Structural, Mechanical, Plumbing, Electrical, Life-Safety, Civil) Building Owner Special Inspection Authority/Inspector Installing contractor(s) Manufacturers' representatives Construction manager / general contractor Facility manager / owner's technical support Third party test entity
4.	Design and Construction Methodology	Demolition Phased construction Occupancy plan
5.	Special Consideration and Description	Historic Preservation, Greater than 420 ft. in height, Institutional occupancy, Essential facility structure (natural disaster shelter) etc.
6.	Infrastructure (supporting building fire protection and life-safety systems)	 Fire flow available (PFC Appendix B) Fire main and hydrants (municipal, private) Water tank Electrical service (Transformer size, Oil filled, location/method of protection) Standby/ Emergency Power Connections (Distinguish what is connected NEC 700, 701, 702) Other Utilities: Information tech., natural gas, etc.
7.	Special Design	Alternative methods and materials (Include Code Modification(s)/ Appeal(s) in Appendix)
8.	Critical Processes and Systems	Energy management systems (see integrated testing requirements) Hazardous materials and processes (temperature control etc.) Mechanical refrigeration machine room Research Labs

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9.	Emergency Decrease	- T (T
9.	Emergency Response	 Two-way communication (Type) Emergency responder radio coverage Fire command center Firefighter Breathing Air Access control doors Fire emergency access Fire Service Access Elevator (Design method to prevent water infiltration, # of elevators, etc.) EMS Access Elevator Ambulance stretcher designated Fire fighter's emergency operation (Phase I and II) Firefighter Sequence of Operation (Smoke Control, etc.)
10.	Hazardous Materials/Operations/ Explosion Prevention and Control Systems	Type of material and physical state (HMIS- Provide in Appendix) Maximum allowable quantities Control areas Type of hazard and method of protection Management Plan (HMMP)
11.	Fixed Fire Suppression Systems	 Automatic fire suppression system (Wet, Dry, 13, 13R, etc.) Standpipe system (Class I, II, III) Fire pump (Electric, Diesel- Include fuel capacity analysis) Commercial cooking (Hood Type, Suppressant) Special systems (pre-action, water mist, etc.)
12.	Fire Alarm Systems	System Design (full vs partial evacuation, Class A, etc.) Sequence of operation (Cause/ Effect Matrix) Notification requirements (ADA, special design) Voice evacuation Emergency alarms (H Occupancy) CO/ CO2 Detectors
13.	Smoke Control and Management Systems	 Post fire smoke removal method and design Stair pressurization Elevator hoistway pressurization Atrium smoke exhaust system Smoke compartmentation Fire fighter's smoke control panel Diagram and controls System acceptance
14.	Means of Egress Systems and Components	Number of exits and/or stairways Exit access components (fire/smoke resistant corridors) Horizontal exits Occupant evacuation elevators Access to the public way or staging Access controlled egress doors Luminous egress markings

15. Cor 16.	Fire-resistant and Smoke-resistant Assemblies nmissioning and Integrated Testing Delivery of Operation and Maintenance Documentation	Method of protection (i.e. spray fire proofing, tested assemblies, etc.) Fire and smoke dampers Fire and smoke doors Through penetration fire stops Smoke vents (including elevator hoistway venting) Smoke and fire rated assemblies Smoke control			
10.	Donner, et epotation and maintenance Decamentation	Active systems (WON doors, smoke guard, magnetically hold open) Inspection Intervals (Smoke control, Alarm, Sprinkler System, etc.) Manufacturer's installation instructions and specifications			
17.	Occupant Overview of Life Safety Systems	 Training owner/ employees, staff on maintaining/ operating/ performance of systems To be done prior to Certificate of Occupancy 			
App	Appendix				
A.	Smoke Control/ Modeling Summaries/ Rational Analysis Report	Consider ASHRAE Temperatures			
B.	Timed Egress Analysis Report	If applicable to project			
C.	Fire Flow Test				
D.	Appeals/ Code Modifications/ FCC Location Approval	If applicable to project			
E.	Commissioning/ Final Inspection/ Integrated Testing for all fire life safety systems documentation	 To be provided prior to Certificate of Occupancy Accuracy of Diagrams of System Interconnection and Device Location Installation in Accordance with Manufacturer's published Instructions Performance in accordance with applicable codes and standards Third party testing and special inspections Fire command center Fire alarm system Energy management system Emergency power system Emergency responder radio coverage Elevator systems Equipment and Tools (Door Fan Test, Smoke Control Pressurization, etc.) Special inspection / observation certificate 			
F.	Hazardous Material (HMIS)	If applicable to project IFC Chapter 50 IBC Section 414 (MAQ) Maximum Allowable Quantity Evaluation			
G.	Floor Plans 11X17	Folded to fit into report Show fire command center, fire department connections, fire pump room, fire hydrant location(s), site plan, architectural floor plans.			