



**FIRE DEPARTMENT ACCESS & CONNECTIONS**

Sprinkler Riser Room or Post Indicator Valve shown on: \_\_\_\_\_ (Section 901.4.6.1 IFC 2012)

Fire department connections (FDC) meets listed requirements and is noted on: \_\_\_\_\_ (FDC shall comply with section 912 IFC 2012)

**Fire Department Connections Requirements:**

- A. Shall be a freestanding, 4inch diameter minimum sized pipe with a hose thread connection to be determined by area Fire Chief and Fire Code Official. It shall also include a 30 degree turn down and a Knox Box brand locking cap if so desired by Fire Chief.
- B. A dedicated hydrant shall be located within 100 feet of the FDC on the same side of the street or driveway to prevent fire hose from blocking access.
- C. The FDC shall be located on the street side of the building, fully visible and recognizable from the street, and shall be located no closer than the heights of the building plus 15% from the structure. In special case, the FDC can be located at the corner of taller structures.

**SUPPRESSION SYSTEM PROVIDED (Section 904 IFC 2012)**

Warming Kitchen Commercial Kitchen  
 Exhaust hood with suppression shown on: \_\_\_\_\_  
 Paint booth suppression shown on: \_\_\_\_\_  
 Other: \_\_\_\_\_ Not Required

**STANDPIPE SYSTEM & HOSE CONNECTIONS (Section 905 IFC 2012) (I.E. In Stairways, Stages, & Malls)**

PROVIDED AS NOTED ON: \_\_\_\_\_,  
 TYPE OF SYSTEM PROVIDED: \_\_\_\_\_ (CLASS I, II OR III)  
 NOT REQUIRED PER SECTION 905

**PORTABLE FIRE EXTINGUISHERS (Section 906 IFC 2012)**

Provided As Noted On: \_\_\_\_\_, Number Provided: \_\_\_\_\_  
 (Provide locations on life safety plan)

**FIRE ALARM & DETECTION SYSTEMS (Section 907 IFC 2012) (Submit according to Arkansas Fire Alarm Submittal Guidelines)**

Automatic with Smoke Coverage Complying With Hc Amendments - 907.2  
 Emergency Voice Evacuation Manual with Notification  
 Elevator Recall – Supervisory Other: \_\_\_\_\_  
 Not Required Per Section 907

**HVAC & AIR DISTRIBUTION SYSTEM CONTROLS (Section 907.2.13.1.2 IFC 2012)**

Smoke Detectors provided to shut down units over 2,000 Cfm provided on: \_\_\_\_\_

Fire/Smoke dampers in the building shown on: \_\_\_\_\_

No Fire/Smoke dampers in the building

**SMOKE CONTROL SYSTEMS (Section 909 IFC 2012) (I.E. For High Rise, Atriums or Stairway Pressurization)**

Provided as noted on: \_\_\_\_\_

Not Required Per Section 909

**SMOKE & HEAT VENTILATION (Section 910 & Table 910.3 IFC 2012)**

Calculations Provided As Noted On: \_\_\_\_\_

Not Required Per Section 910

Note: Where areas of the building are equipped with Early Suppression Fast-Response (ESFR) Sprinklers, automatic smoke and heat vents shall be installed per manufacturer's specifications, meeting local jurisdiction requirements.

**7 WATER SUPPLY (FOR FIREFIGHTING) CHAPTER 5, Appendix B & C IFC 2012**

\_\_\_\_\_ Gross size of building in square feet (Include all overhangs under roof)

Required Fire Flow GPM: \_\_\_\_\_ Duration: \_\_\_\_\_ (Table B105.1 IFC 2012)

Is there a water line that will support fire hydrants in the area of your project? Yes No Size of water line: \_\_\_\_\_

How will you meet fire flow? (Must use/install fire hydrant(s) if available.)  
 Fire Hydrants Tanker Support Dry Hydrant/Pond  
 If using a pond:  
 How many gallons does it hold? \_\_\_\_\_  
 How long has it been there? \_\_\_\_\_  
 Has it ever ran dry or low on water? \_\_\_\_\_

**PUBLIC WATER SUPPLY WITH HYDRANTS**

Number of hydrants within 400 ft. (non-sprinkled) or 600 ft. (sprinkled) of building: \_\_\_\_\_

75% Reduction in fire flow for sprinkler system? Yes No (Must maintain minimum of 1,500 GPM)

Meets fire hydrant spacing in accordance with table C105.1

Where fire hydrants are subject to impact by a motor vehicle, guard post or other approved means shall be installed, subject to Fire Marshal approval.

Hydrant(s) locations are shown on submittal plans.

An approved water supply for fire protection, either temporary or permanent, shall be made available as soon as combustible materials arrive on the site.

Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 ft. (20 ft. each side of hydrant for a total of 40 ft.)

**8 FIRE LANE ACCESS CHAPTER 5, SECTION 503.3, & Appendix D IFC 2012**

All areas not designated as parking spaces shall be identified as "No Parking Fire Lane" following the requirements listed in Chapter 5, section 503.3 & Appendix D in the IFC 2012

Fire lane layout plan, which shall include the site plan, the fire lane & fire hydrants, is shown on: \_\_\_\_\_. (Highlight the fire hydrant locations on the plans)

Aerial access Layout, for buildings over 30 ft, is shown on: \_\_\_\_\_.

Fire lanes will be approved conceptually during the tech plat review process. However, the fire code plan reviewer may change the fire lane layout based on the building specifications.

**9 FIRE-RESISTANCE RATE CONSTRUCTION CHAPTER 6, 7, & 10 IFC 2012**

Show details of fire walls or fire barriers meeting horizontal walls and roof decks. (See section 706.5, 706.6 & 707.5 IBC 2012) (Provide penetration details also)

Fire-resistance rating requirements (Tables 601, 602 & 602.4 ibc 2012)

Building Elements	Hours Required	Hours Provided	UL or IBC Standard Used & Design Detail Shown on
Structural Frame			
Exterior Bearing Walls			
Exterior Non-Bearing Walls			
Interior Bearing Walls			
Interior Non-Bearing Walls			
Floor Construction			
Roof Construction			
Stairwells (Section 1009)			
Elevator Shafts (Section 713)			
Corridors (Section 1018)			
Fire Rated Doors (Table 716.5)			
Demising/Partition Wall (Section 708)			
Fire Barrier (Section 707)			
Fire Wall (Section 706)			

Draftstops: Yes, Shown on: \_\_\_\_\_ No (Sprinkled Attic) N/A

Have you checked width of openings in fire rated walls? Yes No (Table 705.8, Section 706.8, & 707.6 IBC 2012)

Fire Separation Distance (Feet): (Section 602 IBC 2012)

North: \_\_\_\_\_ South: \_\_\_\_\_ East: \_\_\_\_\_ West: \_\_\_\_\_

Roof Covering Classification Provided: (Table 1505.1 IBC 2012)

	A	B	C
<b>10 INTERIOR FINISH CHAPTER 8 &amp; TABLE 803.9 IBC 2012</b>			
Occupancy Group	Exit Enclosures and Exit Passageways	Corridors	Rooms and Enclosed Spaces

**11 STORAGE: STANDARD & HIGH PILED CHAPTER 32 IFC 2012**

Yes No Products being stored: \_\_\_\_\_  
 Yes No Storage packaging (i.e. pallets, racks, solid piled, drums, cardboard boxes, wrapped in plastic, etc.): \_\_\_\_\_

Yes No Maximum height of commodity: \_\_\_\_\_  
 Yes No This building is designed for the intent of high piled storage.  
 Yes No Fire department access doors  
 Yes No High piled storage rack layout/elevations, code analysis, etc. Shown on: \_\_\_\_\_

**12 HAZARDOUS MATERIALS CHAPTER 50 IFC 2012**

Yes No This building is designed for the intent of hazardous material storage. If yes, then provide all HMIS summary and MSDS reports.  
 Yes No Emergency alarm system required per section 5004.9 IFC 2012  
 Yes No Ventilation with emergency alarm stand by power per section 5004.3 and 5004.7 IFC 2012.  
 Yes No Spill control and secondary containment per section 5004.2 IFC 2012.

**13 SPECIAL CONDITIONS**

- Yes No Atrium(s) per 404 IBC 2012?
- Yes No Paint spray booths, coatings, dipping, or industrial ovens used Per 2404, 2405, 2406 and chapter 30 IFC 2012?
- Yes No High rise building per section 403 IBC 2012?
- Yes No Any fuel storage tanks per section 5704 IFC 2012?
- Yes No Septic system? Submit plans to wastewater for review.
- Yes No Public utilities?
- Yes No Buildings without openings per section 903.2.11 IFC 2012?
- Yes No Health department approval? Required for all establishments that serve/prepare food and beverages for the public or have refrigerated food storage.
- Yes No Medical gas per section 5306 IFC 2012?
- Yes No Fire pump emergency standby power?

ADDITIONAL NOTES FOR FIRE MARSHAL

**Note: The code items in this review are not intended to be a complete listing of all possible fire code requirements as required by the Washington County Sheriff Office Fire Marshal Division and the Arkansas State Fire Code. Additional information may be required prior or during tech review, prior to building permit approval, and/or building occupancy.**

**TECH PLAT FIRE CODE REVIEW SHEET**

**Washington County, Arkansas**

**(IFC/IBC shall mean the current adopted Arkansas Fire Prevention Code, Volume I & II. All referenced codes shall be to the current and/or adopted standards)**

**OFFICIAL USE ONLY**

Project Number: \_\_\_\_\_

The Washington County Sheriff Office Fire Marshal Division has completed the initial review of the subject development application. Items not meeting the requirements of the fire code must be resolved prior to approval from the Fire Marshal's Office.

The project was reviewed, however, this does not mean the entire project, including all supporting data and calculations, have been completely checked and verified. These drawings are signed, dated, and sealed by a professional engineer / architect licensed to practice in the state of Arkansas, which therefore conveys the professional's responsibility and accountability, this acceptance does not relieve any party from complying with any other legal adopted regulation or ordinance related to land development.

Tabled By: \_\_\_\_\_ Date: \_\_\_\_\_

Record of previous tech plat submittals:

<u>Date</u>	<u>Approved/Denied</u>	<u>Description</u>	<u>Reviewer</u>

Fire Marshal Notes

---



---



---



---



---