



COFFEE & CODES

JANUARY 16TH, 2018 – 9AM

WELCOME!



WELCOME

- **Introductions**
- **Agenda:**
 - Website Updates
 - ITM Updates
 - Plan Review Requirements
- **Questions**



WEBSITE UPDATES

- **In June of 2017, our village migrated to a new web hosting platform. Updates and managing our website is far simpler and efficient.**
- **Our goal is to provide the information that you need in a timely manner.**
- **The Fire Prevention Division is completely electronic, with the exception of a few forms. With a goal of making all forms available electronically.**
- **We want our information to be relevant to you, and if you have suggestions please let us know at any time.**
- **www.palatine.il.us/fireprevention**

WEBSITE

- **Contact Information is available for all FP Inspectors.**
- **Inspection, Testing, and Maintenance Requirements are available online.**
- **Online scheduling and facility contact information update is coming soon.**

Home » Government » Departments » Fire Prevention

Palatine Fire Prevention Division



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The Palatine Fire Prevention Division takes a proactive approach to limiting the loss of life and property from fire or hazardous condition. We perform fire and life safety inspections in existing multi-family, commercial, industrial, and institutional occupancies. Additionally, we conduct inspections in each school semi-annually. We also review building plans for new construction or remodeling, and conduct site inspections during construction. In addition, each year we inspect the numerous special events such as, all village festivals, craft fairs and carnival rides.

The Fire Prevention Division is under the supervision of the Fire Marshal and has a staffing of one full-time inspector, and six part-time fire inspectors. All inspectors are certified by the Office of the State Fire Marshal as Fire Inspector I. Many inspectors maintain a variety of certifications beyond that of Fire Inspector I.

Fire Prevention Division Contact List

Name	Title	Phone Number
Fire Prevention Division	General Number	847-359-9029
Jay Atherton	Fire Marshal	847-202-6327
Jake Zlomie	Fire Inspector (Full-Time)	847-202-6329
Shane Koeneman	Fire Inspector (Part-Time)	847-202-6308
Kevin Piasecki	Fire Inspector (Part-Time)	847-202-6317
Joe Duser	Fire Inspector (Part-Time)	847-202-6326
Randy Dowell	Fire Inspector (Part-Time)	847-202-6306
Eric Steier	Fire Inspector (Part-Time)	847-202-6318
Zachary Lane	Fire Inspector (Part-Time)	847-202-6316

Quick Links

- [Palatine Commercial Knox Box Instructions \(PDF\)](#)
- [Palatine Knox Home Box Instructions \(PDF\)](#)
- [Residential Multifamily Knox Box Form \(PDF\)](#)

[View All](#)

Contact Us

Jay Atherton

Fire Marshal

[Email Jay Atherton](#)

Phone: 847-202-6327

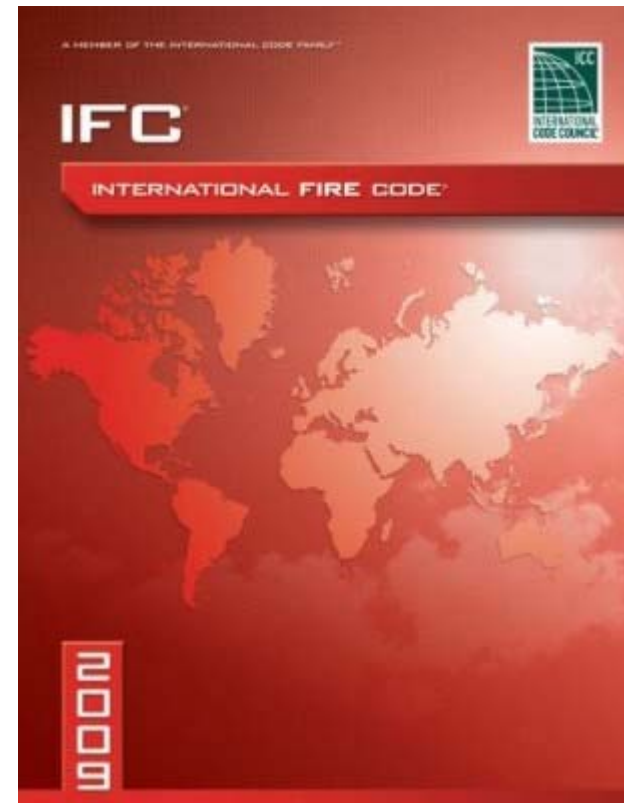
WEBSITE

- **Knox Box forms and information are available online.**
 - Commercial Knox Box Ordering Information
 - Residential Home Box Order Information
 - Multi-Family Knox Box Information



INSPECTION, TESTING, AND MAINTENANCE UPDATES

- **IFC 901.6** – Fire detection, alarm and extinguishing systems shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective.
- **IFC 901.6.2** – Records of all system inspections, tests and maintenance required by the referenced standards shall be maintained on the premises for a minimum of three years and shall be copied to the *fire code official* upon request.



ITM (CONT.)

- **In 2016 – 22% of Businesses with a fire protection system failed their initial inspection as part of ITM report documents.**
- **Improves our efficiency in tracking of reports and deficiencies. For all systems in Palatine, ITM documentation review accounted in 15 – 31 days per year by Village Staff.**
- **Dec. 2017 – the Palatine Village Council approved a motion to contract with Brycer, LLC to accept Inspection, Testing, and Maintenance documentation through The Compliance Engine.**
- **All ITM activities conducted after Jan. 1, 2018 are required to be submitted through TCE.**
- **Inspectors can access inspection reports while in the field and advise property representatives of their ITM compliance.**

ITM (CONT.)

TO BRYCER:

- **Fire Sprinkler System**
- **Fire Alarm System**
- **Commercial Kitchen Hood Suppression System**
- **Standpipes**
- **Active Smoke Control Systems**
- **Private Hydrant System**
- **Fire Pump**
- **Spray Booths**
- **Emergency Generator**
- **Special Suppression System**



PLAN REVIEW SUBMITTAL REQUIREMENTS

- **Currently Adopted 2009 International Fire Code, 2009 International Building Code, 2000 Edition Life Safety Code (NFPA 101). Currently transitioning to the 2015 IFC / IBC in Spring of 2018.**
- **Who conducts your plan reviews?**
 - All plan review for the Village are conducted by Village staff.
- **How many copies of construction documents do you need to submit?**
 - Fire Alarm Drawings, Calculations, Cut Sheets – 3 Sets
 - Fire Sprinkler Drawings, Calculations, Cut Sheets – 3 Sets
 - Kitchen Suppression System, Drawings, Calculations, Cut Sheets – 3 Sets
 - If you have specific questions for submittal please contact our office.
- **How long do plan reviews take?**
 - Our goal is to have plans reviewed in 10 business days. Re-Reviews of existing projects are conducted in 5 business days.

PLAN REVIEW (CONT.)

- **Construction documents can be approved with stamped architectural plans for some fire protection systems.**
 - Fire Alarm Plan Deferral
 - Fire Sprinkler Plan Deferral
 - Kitchen Hood & Duct Suppression System Plan Deferral
- **Shop Drawings, Calculations, Cut Sheets all must be approved prior to occupancy.**

VILLAGE OF PALATINE BUILDING & INSPECTIONS DIVISION
200 EAST WOOD STREET • PALATINE, IL 60067-5339
Telephone (847) 359-9042 • Fax (847) 776-4733
www.palatine.il.us

Fire Alarm Plan Deferral

Date _____ Address of Project _____

The Village of Palatine will accept the stamped architectural plans for the fire alarm with the understanding that should the shop drawings differ or alter the approved plans, the responsibility for any required field changes lie solely with the permit holder and owner.

If the shop drawings are not received a stop work order will be issued. Once the shop drawings are received a second plan review will be required.

If you wish to proceed, please sign below. The signatures of the applicant and owner of the property are required.

Applicant _____ Date _____ Property Owner _____ Date _____

Sincerely,

Mary May
Permit Control Coordinator
Village of Palatine

PLAN REVIEW (CONT.)

- A Sprinkler Technical Submission is required on construction that requires a fire suppression system.
- A building permit for a building that requires a fire protection suppression system shall not be issued without the submission of a technical submission prepared and sealed by a licensed design professional. A licensed design professional is defined as an Architect, P.E or licensed Fire Protection Engineer.
- Technical Submission is provided online.
- Contact our office to check for hydrant flow information.



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Village of Palatine Fire Sprinkler Systems Technical Submissions
 Check list

Per IL SB1384, (d). "A building permit for a building that requires a fire protection suppression system shall not be issued without the submission of a technical submission prepared and sealed by a licensed design professional." A licensed design professional is defined as an Architect, P.E or licensed Fire Protection Engineer.

Please provide all of the information below on the stamped submittal. Plans with incomplete information will not be accepted. All lines must be completed. Please list NA if not applicable to your project.

Project name: _____

Address: _____

Codes and Standards used in the design:
 NFPA 13 ___ NFPA 13R ___ NFPA 13D ___ NFPA 14 ___ Edition ___ Other _____

Hydrant Flow Information:
 Static Pressure _____ Residual Pressure _____ Pitot Reading _____ Flow _____ gpm
 Location of the test hydrant _____ Test port size _____
 Incoming water supply size: _____ Source of the submitted data _____ Date _____

System Design Information:
 Pipe type used: Sch 40 ___ Sch 10 ___ Sch 7 ___ Super 40 ___ Galvanized ___
 FDC location _____
 Fire pump information: Location _____ Size _____ gpm at _____ psi
 Pump controller type: Across the line _____ Reduced voltage _____
 Emergency power for the pump required: Yes ___ No ___
 Water Storage tank: Type _____ Location _____ Size _____
 Standpipes: Class _____ Locations _____
 Zone valves: locations _____
 Pressure reduction devices: Type _____ Setting _____ Locations _____
 Total water flow from the standpipes: _____ gpm at _____ psi
 Inside hose demand _____ gpm

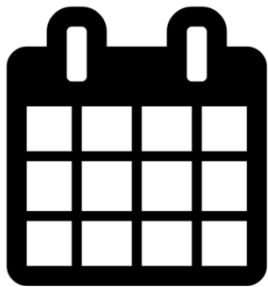
Description of the design area:
 Occupancy classification / area use per NFPA 13 _____
 Ceiling slope _____ Ceiling height _____ Type of sprinkler system _____ Maximum floor area _____
 Density _____ Area of application _____ Maximum coverage area per head _____
 Type of sprinkler heads _____ Temperature _____ Orifice size _____
 Rack storage type: Single row ___ Double row ___ Other ___ Solid shelving ___ Yes ___ No ___
 Flue space requirements _____
 Commodity classification per NFPA 13 _____ encapsulated ___ Yes ___ No ___
 Maximum storage height: Bulk _____ Palletized _____ Shelf _____ Bin box _____ Rack _____
 Maximum rack depth _____ feet _____ Maximum aisle width _____ feet
 In rack sprinkler required ___ Yes ___ No ___
 Number of levels _____ Locations _____
 Rack hydraulic criteria _____
 Type of in rack heads _____ Temperature _____ Response Type _____

COMMON PLAN REVIEW COMMENTS



1. Existing Sprinkler / Smoke Detectors – New
2. Exit & Emergency Lights – 90 minutes battery
3. Fire Extinguishers per NFPA 10
4. Addresses on Front / Rear Door
5. Sprinkler Coverage “0” ft²– New Construction
6. Fire Alarm wirelessly connected to NWCD
7. Upgrade audiovisual devices and manual pulls on tenant change or build-out.
8. Hydrant within 150 ft. of Fire Department Connection
9. Exterior audiovisual device tied to smoke detector
10. Chapter 34 review (IEBC)
11. Sprinkler requirements in unprotected residential trusses
12. Kitchen suppression system tied to fire alarm
13. AutoCAD (.DWG) to be submitted.
14. Knox Box located by door near fire alarm control panel, or fire alarm annunciator.

THANK YOU!



**Our Next Coffee & Codes
Event will take place
April 17th.**

Fire Marshal – Jay Atherton

jatherton@palatine.il.us

(847-202-6327)

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