



WATERFORD REGIONAL FIRE DEPARTMENT

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www.waterfordmi.gov

Matthew J. Covey, Fire Chief • Carl J. Wallace, Deputy Fire Chief • Wayne J. Peruski, Fire Marshal

February-2023 **REVISED APRIL 2023**

COMPLIANCES TO THE CODE REQUIREMENTS CAN BE FOUND IN THE 2015 INTERNATIONAL FIRE CODE (IFC 2015) VOLUME I &II, SUPPORTED BY NFPA 13, 25 and 72.

ALL submitted plans for the Fire Department review shall denote the design professional/architects seal and signature on all pages, fire alarm and fire suppression shall have the NICET seal and/or number.

FD requests that a colored copy of the original plan review shall be forwarded to the responsible parties for the property or business for reviews of Site, Construction, Fire Alarm, Fire Suppression and Commercial Hood application.

Permit Applications shall have all boxes complete with applicants' signature and show the business owners name, contact number and email, scope of work shall explain work to be completed.

SITE – IFC 2015

SITE plan review

- Site Plan shall have design professional/architects seal and signature on all pages.
- Permit number - SPR, PSP, PRSA shall be with submittal for review-***no number / no review***.
- Colored copy of FD plan review shall be forwarded to the property authority or General Contractor (GC) to meet the requirements of the code from the IFC 2015 and NFPA.
Utilities Signage for compliance.
- Fire flow requirements – Gallons Per Minute (gpm)
 - Number of hydrants required for building size, type of construction, and interior / exterior commodity.
 - Fire Department Connection (FDC) located on front of building and shall be within 100' of hydrant.
- Spacing / distances of hydrants / Site access
 - Fire apparatus turning radius, copy of specs may be forwarded.
 - Power lines & Aerial tower operations
- Road widths & Gates/fences
 - Electric or motorized gate specs and operations shall be included for review.
 - Knox Padlock or Knox Key switch
 - Signage – Emergency Vehicles Only, Fire Department Access – DO NOT BLOCK

SITE PLAN REVIEW shall be approved of before proceeding to construction review.

CONSTRUCTION – IFC2015

CONSTRUCTION plan review

- Construction plan shall have design professional/architects seal and signature on all pages.
- Permit number - PB23 shall be with submittal for review - ***no number / no review.***
- Cover sheet shall include – CODE SUMMARY, TYPE OF CONSTRUCTION, OCCUPANCY USE & OCCUPANCY LOAD, LIFE SAFETY PLAN, ADDRESS shall match PERMIT APPLICATION
- Address shall be posted on building or property. NO POSTED ADDRESS – NO INSPECTION
- Colored copy of FD plan review shall be forwarded to the property authority or General Contractor (GC) to meet the requirements of the code from the IFC 2015 and NFPA. Utilities Signage for compliance.
- FD may request for “third party review” due to the size and scope of work.

CONSTRUCTION PLAN REVIEW shall be approved of before proceeding to fire alarm review or fire suppression review.

FIRE FINAL - for CERTIFICATE OF OCCUPANCY (CO)-issued by City or Twp.

- NO POSTED ADDRESS – NO FIRE FINAL INSPECTION
- **Building is ready to open to the public, all work is completed and all construction materials have been removed from inside the building and outside the building.**
- All signage shall be posted as stated on Construction Plan Review. See page 6 for size
 - DTE meter / Consumers meter (address coverage area)
 - **ELECTRICAL ROOM / MECHANICAL ROOM**
 - **FACP** – Fire Alarm Control Panel (address coverage area)
 - **FDC** – Fire Department Connection (address coverage area)
 - **RISER ROOM** – Fire Suppression Riser Room (address coverage area)
- All LIFE SAFETY items have been completed.
 - **KNOXBOX** –
 - Padlock (non-electric gates) / key switch (electric gates)
 - Knoxbox (building access) key are tagged and labeled w/address and door location.
- Fire extinguishers installed locations per IFC.
- Door hardware
- Emergency lights
- EXIT signs (illuminated)
- Egress path of travel.

FIRE SUPPRESSION – NFPA 25 & 13

- **FIRE SUPPRESSION plan review**
- Fire alarm and fire suppression shall have the NICET seal and/or number.
- Permit number – PM23 shall be with submittal for review - ***no number / no review.***
- Colored copy of FD plan review shall be forwarded to the property authority or General Contractor (GC) to meet the requirements of the code from the IFC 2015 and NFPA. Utilities Signage for compliance.

FIRE SUPPRESSION FINAL - for CERTIFICATE OF OCCUPANCY (CO) - issued by City or Twp.

- **Documentation of contractor pretesting system prior to City/Twp & FD inspection.**
- **General Contractor (GC) shall have all personnel and equipment on location representing fire suppression system and fire alarm system to be able to conduct the acceptance test.**
- UNDERGROUND FLUSH* – HYDRANT to HYDRANT (new site/new construction where hydrants where added) – witnessed test.
- ***WRC (City) shall notify the Fire Marshal that all requirements required by WRC for all underground water systems have been completed, once this has been received by the Fire Marshal then the underground flush may be scheduled by City of Pontiac or Twp.**
- FLUSH TO THE SUPPRESSION RISER* - witnessed test.
- ***WRC (City) shall notify the Fire Marshal that all requirements required by WRC for all underground water systems have been completed, once this has been received by the Fire Marshal then the underground flush may be scheduled by City of Pontiac or Twp.**
- Hydro test - witnessed test.
- Fire Suppression Final – may be completed at time of Fire Alarm Acceptance Test - witnessed test.
- ALL fire suppression signage shall be posted as stated on Fire Suppression Plan Review.
- All signage shall be posted as stated on Fire Suppression Plan Review. See page 6 for size
 - DTE meter / Consumers meter (address coverage area)
 - **ELECTRICAL ROOM / MECHANICAL ROOM**
 - **FACP** – Fire Alarm Control Panel (address coverage area)
 - **FDC** – Fire Department Connection (address coverage area)
 - **RISER ROOM** – Fire Suppression Riser Room (address coverage area)

FIRE ALARM – NFPA 72

- **FIRE ALARM plan review**
- Fire Alarm plan shall have the NICET seal and/or number.
- Permit number – PF or PE shall be with submittal for review - ***no number / no review.***
- Colored copy of FD plan review shall be forwarded to the property authority or General Contractor to meet the requirements of the code from the IFC 2015 and NFPA. **Utilities Signage for compliance.**
- Address shall be posted on building. NO POSTED ADDRESS – NO INSPECTION

FIRE ALARM FINAL - for CERTIFICATE OF OCCUPANCY (CO) - issued by City or Twp.

- NO POSTED ADDRESS – NO FIRE FINAL INSPECTION
- Witnessed acceptance test – water flow (riser) to monitoring company per NFPA 13 & 72.
- **Documentation of contractor pretesting system prior to City/Twp & FD inspection.**
- **General Contractor (GC) shall have all personnel and equipment on location representing fire suppression system and fire alarm system to be able to conduct the acceptance test.**
- Activation of the water flow switch shall communicate to monitoring company > Fire Dispatch (248-618-7550) > fire personnel radio (Inspector onsite) within 200 seconds with the correct address and name of business.
- Smoke detectors / batteries dated / red lockout on main electrical panel / panel ID of lockout.
- Pull stations.
- Door mag lock disconnects.
- Audible & visual devices – distancing, visibility, and decibel levels.
- Gate operations – default to open during activation of fire alarm.
- All signage shall be posted as stated on Fire Alarm Plan Review. **See page 6 for size**
 - DTE meter / Consumers meter (address coverage area)
 - **ELECTRICAL ROOM / MECHANICAL ROOM**
 - **FACP** – Fire Alarm Control Panel (address coverage area)
 - **FDC** – Fire Department Connection (address coverage area)
 - **RISER ROOM** – Fire Suppression Riser Room (address coverage area)

COMMERCIAL HOOD -NFPA 17, 17-A & 96

- **COMMERCIAL HOOD plan review**
- Commercial Hood plans shall have the NICET seal and/or number.
- Permit number – PM shall be with submittal for review - ***no number / no review.***
- Colored copy of FD plan review shall be forwarded to the property authority or General Contractor to meet the requirements of the code from the IFC 2015 and NFPA. **Utilities Signage for compliance.**
- Address shall be posted on building. NO POSTED ADDRESS – NO INSPECTION
- **Commercial hood when not in use and/or business vacant / closed to the public for longer than 6 months and any alterations, modifications or relocation of appliances, nozzles or fusible links may require plan review submittal before a witnessed acceptance test – puff, smoke, electrical and gas shut down.**
- *Proof of completed cleaning (contractor sticker with dates of service posted) for plenum and duct from roof deck to venting grills **before** acceptance testing. All fusible links, nozzles and piping shall be free/clear from accumulation of cooking grease residue.

FIRE HOOD FINAL– PONTIAC / WATERFORD for CERTIFICATE OF OCCUPANCY (CO)

The following shall be a witnessed test by Fire and Building Inspectors

- **Documentation of contractor pretesting system prior to City/Twp & FD inspection, have available for viewing at time of inspection.**
- **General Contractor (GC) shall have all personnel and equipment on location representing hood suppression system and fire alarm system to be able to conduct the acceptance test.**
- **Acceptance test – simulation of ALL appliances in working order – pots, pans, fryers heating water to steam to show ventilation up drafting for gas & electric shut down.**
- Activation of pull station.
- Activation of fusible links
- Puff (balloon)
- Smoke capture test. – ALL ceiling tiles shall be in place, no holes affecting ventilation.
- Electrical & gas shut down.
- Audible & visual devices. Horn/strobe activation.
- Placement and location of K extinguisher and 3A:40BC rechargeable extinguisher.
- Tied into the building FACP (if applicable). Correct address and business name
- *Licensed Cleaning Company Certificate posted on Hood for cleaning and date of next cleaning.

FIRE FINAL / LIFE SAFETY INSPECTION– IFC 2015

- **FIRE FINAL / LIFE SAFETY inspection**
- Address on building (minimum 4" letters on sign) or monument sign (refer to the code)- NO POSTED ADDRESS – NO INSPECTION
- Gate access – key switch, padlock and signage if needed.
- Knoxbox – keys (tagged and labeled for all access into locked doors in & around building).
- 360 access, road widths.
- Aerial tower operations – depending on buildings heights / DTE overhead (OH) power lines.
- Emergency lights & illuminated EXIT signage.
- Backup power – generator activation. & **EMERGENCY SHUT OFF** switch.
- Fire extinguishers installed in locations per IFC.
- Door hardware / door obstructions.
- Egress path of travel.
- **LABELING & SIGNAGE** – utilities, doors & floors
 - DTE electrical meters (address coverage area).
 - Electrical main panel disconnects labeled – **EMERGENCY DISCONNECT**
 - Consumers gas meters (address coverage area)
 - **ELECTRICAL & MECHANICAL** room, minimum 4" lettering on sign.
 - **FACP** – Fire Alarm Control Panel, minimum 4" white letters on red reflective sign. (Address coverage area).
 - **RISER** Room, minimum 4" white letters on red reflective sign. Wall map denoting suppression systems zones per risers.
 - **FDC** – Fire Department Connection, minimum 4" white letters on red reflective minimum 10"x 14" sign (displayed areas of coverage)

TEAM INSPECTIONS – City - City of Pontiac

a. Scheduling ticket shall display the following.

- Inspection History Document attached to calendar event showing the following-
 - Property owners' information - name, contact number and email address.
 - Lessee information – name, contact number and email address.
 - Reason for the Team Inspection (new business / existing business)
 - Team Inspection follow-up completed by the City Building Official or Building Inspector. Documentation or email shall be forwarded to the FirePrevention@waterfordmi.gov to clear our MobilEyes report.

BUSINESS REGISTRY – Twp. - Waterford Township

a. Scheduling ticket shall display the following.

- Inspection History Document attached to calendar event showing the following-
 - Property owners' information - name, contact number and email address.
 - Lessee information – name, contact number and email address.
 - Reason for the Business Registry Inspection (new business / existing business)
 - Business Registry Inspection follow-up completed by the City Building Official or Building Inspector. Documentation or email shall be forwarded to the FirePrevention@waterfordmi.gov to clear our MobilEyes report.

This is what is required by the Waterford Regional Fire Department to meet code compliance with the International Fire Code 2015 (IFC2015) and National Fire Protection Association (NFPA), Twp Ordinance & City Ordinance.

Thank You,

Waterford Regional Fire Department - Fire Prevention Division

Fire Marshal / Assistant Chief Wayne Peruski
Fire Inspector / Lieutenant Chris Webster
Fire Inspector / Lieutenant Gene Butcher

Fire Prevention FirePrevention@waterfordmi.gov