

---

# GENERAL CONTRACTOR'S FIRE CODE JOB SITE REFERENCE GUIDE

---

This Contractor's Job Site Guide is published by the City of Moore Fire Marshal's Office as a customer service to the construction and design community



**CITY OF MOORE FIRE DEPARTMENT  
FIRE MARSHAL'S OFFICE  
2400 S. FRITTS BLVD., MOORE, OK 73160  
PH: (405) 793-4447 or  
EMAIL: [firemarshal@cityofmoore.com](mailto:firemarshal@cityofmoore.com)**

# General Contractor's Fire Code Job Site Reference Guide

## Table of Contents

SECTION	SUBJECT	PAGE
	Welcome to the City of Moore	2
	Construction, Alteration or Demolition Fire Safety	3
	General Information / Definitions	3
	New Construction and Renovation / Inspection Requests	4
	General Fire Safety – Specific Requirements	5
1	Fire Hydrants / On-Site Water Supply	5
2	Combustible Waste	5
3	Temporary Fire Apparatus Access Roads	5
4	Fire Extinguishers	6
5	Asphalt Kettles	6
6	Heaters	6
7	Hot Work	6
8	Flammable or Combustible Liquids, Storage	7
9	Compressed or Liquefied Gases, Storage or Use	7
10	Generators Utilizing Flammable or Combustible Liquids	7
11	Key Boxes	7
12	Fire Lanes	8
13	Addresses	8
13-1	Temporary Permanent Power	8
	Minimum Temporary Permanent Power Requirements	8
14	Fire Protection Inspection and Acceptance Testing, General	9
14-1	Residential Fire Sprinkler Systems, General	9
14-1.1	NFPA 13D Sprinkler Systems	9
14-1.2	NFPA 13R Sprinkler Systems	10
14-2	NFPA 13 Sprinkler Systems	11
14-3	Fire Department Connections (FDC)	12
14-3.1	Fire Suppression Water Tanks	12
14-4	Fire Alarm Systems	12
14-5	Kitchen Hood Systems	13
15	Identification of Fire Protection Equipment	13
16	Automatic and Manual Security Gates or Barricades	14
17	Manual Gates Fire Department Access	14
18	Tenant Improvement Requirements	14
19	Certificate of Occupancy (C O), General	14
	Temporary Certificate of Occupancy	15
19-1	TCO or C O Checklist	15
19-2	Full Certificate of Occupancy (C O) Checklist	16

# General Contractor's Fire Code Job Site Reference Guide

## Welcome to the City of Moore

This Contractor's Job Site Guide is published by the City of Moore Fire Marshal's Office as a customer service to the construction and design community. The purpose is to provide information concerning fire code questions that are frequently asked. Additionally, this guide also provides information regarding what a fire inspector will need to successfully complete your inspection and to assist you in completing your project.

# General Contractor's Fire Code Job Site Reference Guide

## FIRE SAFETY DURING CONSTRUCTION, ALTERATION, OR DEMOLITION OF A BUILDING

### General Information

Fire safety during construction, alteration, or demolition of a building is critical for the safety of job employees, fire department personnel and the general public. The following is a general outline of preconstruction requirements and specific information pertaining to each requirement. A preconstruction meeting may be helpful for the General Contractor/Superintendent and Fire Marshal to discuss general or specific requirement issues or provide assistance in obtaining fire approvals that may be required during the project. This guide also covers the fire requirements for related Temporary and Full Certificate of Occupancy.

### Definitions

#### **General Contractor/Superintendent**

The General Contractor/Superintendent is responsible for the fire safety of all property under his/her control and will ultimately be held responsible for any fire code violations that may occur on the job site. The General Contractor/Superintendent is responsible for maintaining copies of all city permits and stamped building plans on site and **THE SCHEDULING OF ANY AND ALL INSPECTIONS WITH THIS OFFICE.**

#### **Fire Protection Contractor**

The fire suppression/sprinkler or detection/alarm contractor is also responsible for maintaining their approved set of plans on site and coordinating their required inspections with the General Contractor/Superintendent. The fire suppression/sprinkler or detection/alarm contractor is also responsible for maintaining their required fire protection throughout the job site. In addition, the fire suppression/sprinkler or detection/alarm contractor is responsible for verifying their system is ready (***pre-tested***) for inspection prior to General Contractor/Superintendent calling for the **Final** inspection.

#### **Adopted Fire Codes & Amendments**

The City of Moore has adopted the International Fire Code (IFC) with local amendments, AHJ's (authority having jurisdiction) as well as the current NFPA editions. Please contact the Fire Marshal's Office for information on the current edition of the adopted codes and amendments or visit our website at <https://www.cityofmoore.com>

**This guide is not inclusive and a pre-construction meeting is recommended but not required, however it may help to avoid costly changes or requirements pertaining to your project.**

# General Contractor's Fire Code Job Site Reference Guide

## New Construction and Renovation Inspection Requests

For new or renovated structures – except one and two-family dwellings – compliance with the adopted Fire Code is required before issuance of a use and occupancy permit. These inspections are required to be scheduled as part of the permit process.

The following information is designed to make the inspection process go smoothly. Please make the appropriate contractors aware of this information. Following the tips in this section should help to avoid many of the common obstacles in getting an inspection completed in a timely manner.

## Inspection Requests

Schedule a request for an inspection by calling the Fire Marshal's Office, (405) 793-4447. Please call at least (5) five to (7) seven working days in advance of the desired inspection date. **Please have all appropriate permit numbers available when requesting any inspection. All inspection requests should be made by the General Contractor/Superintendent.**

## What You Need For Your Fire Inspection

- Approved plans

Approved plans – especially those pertaining to fire alarm, hood suppression systems and fire sprinkler system – Approved plans must be kept on site at all times for use by inspectors. Approved plans will have a stamp and signature from the City of Moore Plan Review and/or the City of Moore Fire Marshal's Office. Copies of approved plans are not acceptable. Shop drawings and other plans without stamps and signature are not acceptable.

- Comment Letters

Comment Letters/Review Sheets from the City's plan review office are part of your approved plans and must be kept on site at all times for use by inspectors. Make sure you read them thoroughly; these letters often contain important information not found on the plans themselves.

- Plan Revisions

Construction must match the approved plans. If changes are made to construction or systems, plans must be revised and approved through the City Building Department or the Fire Marshal's Office. Revised approved plans, with stamp and signature, must be on site for inspections. Deviations

# General Contractor's Fire Code Job Site Reference Guide

without revised approved plans require approval of the Fire Marshal and or the Building Department.

## **GENERAL FIRE SAFETY – SPECIFIC REQUIREMENTS**

**SECTION 1 – FIRE HYDRANTS/ON-SITE WATER SUPPLY:** Prior to bringing combustible materials onto the site, required fire hydrants shall be operational.

**SECTION 2 – COMBUSTIBLE WASTE:** Combustible waste shall not be allowed to accumulate on any site except in approved containers. Waste materials shall be removed from all buildings on a daily basis. **Combustible debris, waste material, or trash shall not be burned on the site.**

**SECTION 3 – TEMPORARY FIRE APPARATUS ACCESS ROADS:** Fire apparatus access roads are required during construction to allow emergency response vehicles onto the site for both fire and medical emergencies. Access roads shall be in place when combustible construction materials are brought onto site or prior to the start of vertical construction, whichever comes first. In some cases, depending on the circumstances, access roads may be required at an earlier stage of the project. Access roads shall be a minimum of 20 feet wide with an approved turn-around if longer than 150 feet. Buildings of 30 feet or more in height require fire access roads 26 feet in width.

**During construction, temporary access roads may be provided when in compliance with the following:**

**Access during construction:** The contractor or person in charge of any construction site for commercial, industrial, mercantile, educational, institutional, assembly, hotel, motel, multi-family dwelling, mobile home parks, or any other commercial occupancy whose structures total more than 4,000 square feet shall provide and maintain fire lanes as shown on approved site plans. Fire lanes shall be constructed of asphalt, concrete or other alternative pre-approved by the Fire Marshal and sufficient to support fire apparatus.

- Concrete: 37.5 – ton weight limit required
- Asphalt: 37.5 – ton weight limit required
- Gravel: 37.5 – ton weight limit required (minimum 1” rock, six-inch deep with underlay approved by the Fire Marshal’s Office on a compacted sub-grade).
- Fire Lanes shall be not less than 20 feet unobstructed width and a minimum vertical clearance of 14 feet.
- Fire Lanes shall be in place prior to any above-slab construction or storage of combustible materials on site.
- Buildings of 30 feet or more in height require fire access roads 26 feet in width.

# General Contractor's Fire Code Job Site Reference Guide

- The fire apparatus access road shall have an all-weather driving surface, graded to drain standing water and engineered to bear the imposed loads (75,000 lbs) of fire apparatus when the road is wet.
- ***When requested, compaction test results shall be provided to the Fire Marshal prior to approval.*** Alternate methods may be approved when designed and sealed by a professional engineer and approved by the Fire Department.
- Trenches cut across any fire apparatus access road must be filled in and resurfaced by the end of the working day.
- Access roads must reach to within 150 feet of all points of any building, combustible construction materials, and combustible debris storage areas.
- The edges of the access road shall be obvious or clearly marked.
- Each site should have a minimum of two access points into the site. The access points shall be a minimum of 20 feet in width and shall be maintained accessible at all times.

All fire apparatus access roads shall be clearly marked at the entrance.

**SECTION 4 – FIRE EXTINGUISHERS:** At least one fire extinguisher (minimum 2-A:20-B:C) is required in a building under construction or during alteration or demolition. Additional fire extinguishers shall be placed at each floor level at each stairway, in each storage or construction shed, and where special hazards exist such as flammable/combustible liquid storage. Extinguishers shall be installed in plain view in an accessible location.

**SECTION 5 – ASPHALT KETTLES:** Asphalt kettles shall not be used inside of or on top of any building. One 3-A:40-B:C fire extinguisher is required to be on the roof of the structure being covered, and one 40-B:C fire extinguisher within 25 feet of the asphalt kettle. There must be an attendant within 100 feet of an operating kettle and no ladders or similar obstacles shall form the route to the kettle. The kettle shall be no closer than 20 feet to any building or structure.

**SECTION 6 – HEATERS:** *All heaters used in structures must be designed and approved for indoor use.* Portable heaters clearances to combustibles shall be maintained in accordance with the manufacturer's instruction, be protected from damage, and be anchored or have a stable base to prevent dislodgement or overturning. Adequate ventilation must be provided for fuel burning heaters. Heaters must be turned off, moved to the outdoors a safe distance from any structure, and allowed to cool before fueling.

**SECTION 7 – HOT WORK:** Any person performing cutting or welding operations, using a torch or other flame-producing device for removing paint, sweating pipe joints, applying roofing materials, or any other process requiring an open flame device in or on any building or structure shall be provided with one 2-A:20-B:C portable fire extinguisher within 30 feet of the hot work location or a 5/8 inch diameter water hose.

# General Contractor's Fire Code Job Site Reference Guide

When using a water hose, it must be of sufficient length to reach all portions of the building or area where hot work is being conducted and must be pre-connected to a reliable water supply on the premises where the hot work operation is being performed. Combustible material in the proximity to an open flame shall be protected against ignition by shielding, wetting or other means

***In all cases, a fire watch shall be maintained in the vicinity of the operation for not less than 30 minutes after the torch or flame-producing device has been used.***

Companies performing welding and hot work operations on the site will provide the superintendent with written safety procedures to be followed by their personnel.

**SECTION 8 - FLAMMABLE OR COMBUSTIBLE LIQUIDS; STORAGE:** The storage of flammable or combustible liquids shall be in an approved area and in containers approved for the product contained. Flammable or combustible liquids **SHALL NOT** be stored in buildings under construction. All containers used for the storage of flammable or combustible liquids must be labeled to identify the liquid they contain. An approval is required for the storage or use of more than (5) five gallons of flammable liquids or 25 gallons of combustible liquids inside or more than (10) ten gallons of flammable liquids or 60 gallons of combustible liquids outside. Check with the Fire Marshal's Office for clarification.

**SECTION 9 - COMPRESSED OR LIQUIDIFIED GASES; STORAGE OR USE:** Cylinders, valves, regulators, hose and other apparatus and fittings for oxygen **shall** be kept free from oil and grease. Oxygen cylinders, apparatus and fittings **shall not** be handled with oily hands, oily gloves or greasy tools or equipment. Acetylene gas **shall not** be piped except using approved cylinder manifolds and connections, cylinders shall be located away from the hot work area to prevent such cylinders or generators from being heated by radiation from heated materials, sparks or slag, or misdirection of the torch flame. (See Section 7, Hot Work). All cylinders shall be secured to prevent dislodgement and access by unauthorized persons.

**SECTION 10 - GENERATORS UTILIZING FLAMMABLE OR COMBUSTIBLE LIQUIDS:** An approval is required to be obtained from the Moore Fire Department Fire Marshal's Office when proposing to install a temporary generator having a fuel tank using flammable liquids in excess of (10) ten gallons or combustible liquids having a capacity in excess of 60 gallons. Prior to installation, a site plan showing distance from buildings, property lines, public right-of-ways and grounding specifications shall be submitted to the Fire Marshal's Office.

**SECTION 11 - KEY BOXES:** The Moore Fire Department has approved @Knox devices. The applicant can order online at <http://www.knoxbox.com/> instructions are on the form. @KNOX 3200 or 4400 Series boxes are required near the front entry/exit of the building and/or adjacent to



# General Contractor's Fire Code Job Site Reference Guide

sprinkler riser/ fire alarm control panel rooms with exterior access. Check with Fire Marshal to confirm placement.

Dependent upon structures, applications, and location of sprinkler riser and fire alarm control panel, additional Key boxes, @Knox padlocks, @Knox key switches, or other @Knox devices may be required. The height of key box(s) shall be at least 48" to a maximum of 60" above finished grade, and shall be immediately visible and accessible to emergency responders. **Keys shall be marked or labeled to identify its use (e.g., Suite 101, Master).**

**SECTION 12 - FIRE LANES:** Required fire lanes shall be identified with approved signage in accordance with City of Moore Fire Marshal's Office, AHJ, relevant IFC and City of Moore Ordinances. When fire lane signs are not shown on approved site plans or when you have questions call (405) 793-4447 for assistance. The painting of curbing to identify fire lanes may be required in some instances.

**SECTION 13 - ADDRESSES:** New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numerals or alphabet letters. Number shall be a **minimum** of four inches (102 mm) high with a minimum stroke width of 0.5 inch (12.7 mm). **Approved address numbers shall be visible from the street, mounted on the building or on a roadway monument.**

## **SECTION 13.1 - TEMPORARY PERMANENT POWER:**

### **Minimum Temporary Permanent Power Requirements:**

- Address must be posted and clearly visible in case of emergency. Address numbers will be no less than (4) four inches in height on the structure, mailbox, or curb and in shape contrast to its background.
- Fire Department Connection (FDC) must be in place and accessible, with operation horn strobe.
- Facility must meet appropriate minimum life safety code requirements for construction.
- Hydrants and all required sprinkler systems must be WET and operational \*(see explanation).
- Fire apparatus and emergency vehicle access roads shall have an unobstructed width of not less than 20 feet, 26 feet if over 3 stories or 30 feet high.
- Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus (Capable of supporting 35.5 tons) and shall be surfaced so as to provide all-weather driving capabilities. (See section 3 for specific requirements)

# General Contractor's Fire Code Job Site Reference Guide

In cases where due to inclement weather it would not be feasible to charge sprinkler systems, a formal notification and agreement on contractor's letterhead will be provided.

**SECTION 14 – FIRE PROTECTION INSPECTION AND ACCEPTANCE TESTING, GENERAL:** The most current set of approved plans bearing the fire department stamp shall remain at the job site at all times. **Inspections or tests will not be conducted without the approved plans on site.**

The use of an approved plan that documents a different installing contractor will not be allowed to be used, unless the contractor named on the approved plan submits a letter to the City of Moore Fire Marshal's office authorizing the installing contractor to use their plan or approval. When this cannot be accomplished, the actual installing contractor shall submit a new plan for review and approval to obtain a separate approval naming their company as the contractor. It is required that all systems are **pre-tested** by the installing contractor and all repairs or corrections made **prior** to Fire Marshal's arrival for an inspection. The installing contractor and job superintendent/GC should assure that the systems are, in fact, problem free and ready for testing. Final acceptance tests will be conducted for all building fire protection systems at the same time. Representatives from all fire protection system installers must be on site for final acceptance testing. **Acceptance test will not be conducted using generator power.**

**SECTION 14-1 – Residential Fire Sprinkler Systems – General:** At time of inspection, an approved plan, stamped and signed by the City of Moore Fire Marshal's Office must be on site at all times. A copy of the installation permit, naming the installing contractor shall also be required at the site.

**14-1.1 NFPA 13D Sprinkler Systems** – Two inspections will be conducted on the system:

**Inspection 1, Pressure and Rough-in Inspection:**

- A 50 psi over street pressure and rough-in inspection will be conducted when the piping and riser are in place.
- A pressure of 50 psi over street pressure or more must be maintained for a minimum of two hours prior to the inspection time. When the gauge shows less than required testing pressure, the test is a failure.
- Heads should be installed and should be covered by protective caps.
- The system need not be connected to a water supply at this point and may be filled from an outside source for testing. **ALL PIPING AND SYSTEM COMPONENTS MUST BE VISIBLE.**

**Inspection 2, Final Acceptance Testing:** Final acceptance testing will consist of the Inspectors Test Valve, a final overhead and riser inspection.

- The system must be 100% complete and pre-tested prior to any request for inspection.

# General Contractor's Fire Code Job Site Reference Guide

- Electrical power must come from the grid through a meter connected to the electrical system.
- The system must be connected to a permanent water supply for final inspections.
- The Inspector Test Valve shall be identified with signage.
- A sprinkler head box with at least (6) six sprinkler heads shall be installed near the sprinkler riser.
- A calculation plate shall be filled out and installed near the sprinkler riser. Information on the calculation plate shall be either stamped or etched (no Sharpie markers allowed).

**14-1.2 – NFPA 13R Sprinkler Systems** – Two inspections will be conducted on the system.

**Inspection 1, Pressure and rough-in:** The pressure and rough-in inspection will consist of the following:

- A minimum 200 psi pressure and rough-in inspection will be conducted when the piping and riser are in place.
- The 200 psi pressure must be maintained for a minimum of two hours prior to the inspection time. When the gauge shows less than required testing pressure, the test is a failure.
- Heads should be installed and should be covered by protection caps.
- The system need not be connected to a water supply at this point and may be filled from an outside source for testing.
- All piping and system components must be visible from floor level.
- Prior to the system connection to the underground fire line, submit a certificate of completion to the City of Moore's requirements for flushing and testing. To prevent a delay in conducting inspections it is strongly recommended that the flushing approval be maintained on site at all times.
- A Contractor's Material and Test Certificate for Aboveground Piping shall be submitted to your fire inspector at time of inspection.

**Inspection 2, Final Acceptance Testing:** Final acceptance testing will consist of opening the Inspectors Test Valve (ITV), a final overhead and riser inspection.

- The system must be 100% complete and pre-tested prior to any request for inspection.
- Electrical power must come from the grid through a meter connector to the electrical system.
- The system must be connected to a permanent water supply for final inspections.
- The exterior bell as well as horn/strobes shall activate within 90 seconds of opening the ITV.
- The ITV and all valves shall be identified with signage.

# General Contractor's Fire Code Job Site Reference Guide

- All system control valves shall be electronically monitored or chained and padlocked to prevent tampering.
- A sprinkler head box with at least (6) six sprinkler heads shall be installed near the sprinkler riser.
- All calculated systems require a stamped or engraved metal hydraulic calculation data plate installed on or near the sprinkler riser.

**14-2 - NFPA 13 Sprinkler Systems** – A minimum of three separate inspections are required prior to Fire Department approval of the sprinkler system. New sprinkler systems require a pressure test and a final acceptance test. Documented proof of an underground flush of the sprinkler supply line **MUST** be furnished to the Fire Marshal prior to connection of the sprinkler riser.

**Note:** Fire Department Connections installed on backflow devices are not approved.

**50 Percent/Fire Sprinkler System Rough-in Inspections:** include all overhead piping, hangars and clamps, overhead upright sprinkler heads and down piping (pendant sprinkler heads if possible) are required to be installed.

- All system piping, hangars and clamps must be visible from floor level. **NO** sheet rock, insulation or ceiling tile shall be installed prior to the pressure and rough-in inspection without prior approval from the fire marshal. You will be required to remove any obstructions to view the complete system.
- Prior to the system connection to the underground fire line, submit a certificate certifying the City of Moore requirements for flushing and testing have been met. To prevent a delay in conducting inspections, it is strongly recommended that the flushing approval be maintained on site at all times.
- A Contractor's Material and Test Certificate for Aboveground Piping shall be submitted to your fire inspector at time of inspection.

**Inspection 2, Pressure and Rough-in Inspection (Hydrostatic Test):** The pressure test and rough-in inspections shall consist of the following:

- The system shall be pressurized to at least 200 psi for two hours prior to the scheduled inspection time. The Fire Marshal or his designee may witness the time the system was pressurized to 200 psi.

**Inspection 3, Final Acceptance Testing:** A final acceptance inspection includes; Visual inspection of the entire system (drywall and ceiling panels shall be in place).

- All calculated systems require a stamped or engraved metal hydraulic calculation data plate installed on or near the sprinkler riser.

# General Contractor's Fire Code Job Site Reference Guide

- A sprinkler head box shall be installed near the sprinkler riser and contain at least (6) six sprinkler heads of each type of head installed, sprinkler head wrench and an NFPA 25 booklet.
- All system control valves shall be electronically monitored or chained and padlocked to prevent tampering.
- Signage shall be provided to identify the Inspector Test Valve location, the main drain and other control valves.

System shall be fully tested by:

- Opening the two-inch drain and documenting the residual and static pressures. The pressures must meet or exceed the pressures documented on the approved plans.
- Closing the tamper valve.
- Opening the Inspectors test valve; the exterior bell or audio/visual device shall activate within 90 seconds of opening ITV, as well as audio/visual fire alarm system components.

**SECTION 14-3 - FIRE DEPARTMENT CONNECTIONS (FDC):** FDCs are not allowed on the backflow devices. The FDCs shall be installed on the building or remotely installed. Remote FDCs shall be a **maximum of 100 feet from a fire hydrant** and may be required to have a strobe attached. FDCs must also be within (10) ten feet of a hard drivable surface. Signage may be required to identify the building the FDC serves. FDC locations must be approved by the Fire Marshal's Office prior to installation.

**SECTION 14-3.1 - FIRE SUPPRESSION WATER TANKS:** Aboveground or underground tanks (and related water lines) for sprinkler system water supply or for drafting by fire apparatus for manual water supply must be inspected by the Fire Marshal and be subjected to an air test witnessed and documented by an appropriate contractor and approved by the Fire Marshal. \*Prior approval of submitted plans with tank location, tank size, connection size, and connection access is required. Contact the Fire Marshal's Office, (405) 793-4447, to schedule these tests 10 to 14 days prior to placement of the tank.

**SECTION 14-4 - FIRE ALARM SYSTEMS:** All fire alarm systems shall be installed in accordance with the relevant International Fire Code and NFPA 72. All tests shall be requested by the installer/sub-contractor actually doing the work, and will be coordinated to be conducted at the same time as the sprinkler acceptance test and hood system test, if applicable.

**The entire system shall be fully installed, operational and pre-tested prior to system acceptance testing by the Fire Marshal's Office.**

- The fire alarm control panel shall be in normal operation at time of final acceptance testing.
- All control panels, initiating, notification, and signaling devices, power supplies and auxiliary devices shall be tested in the presence of the inspector.

# General Contractor's Fire Code Job Site Reference Guide

- All device tests shall be in accordance with the manufacturers' recommendations. It shall be the responsibility of the installer to provide the equipment and supplies necessary to conduct the test. The City of Moore Fire Department requires that duct and smoke detectors are tested using canned smoke. Duct detectors may initiate a supervisory signal. Smoke and heat detectors shall initiate alarm signals.
- Third party monitoring shall be tested to verify that all device signals were received and the description is accurate.
- When a change in method of monitoring from the approved plan is proposed (e.g., phone lines to radio dialer), 2 sets of revision plans and cut sheets shall be submitted to the Fire Marshal's Office for review and approval prior to installation. The revised approval plan shall be on site at time of final acceptance testing.
- A Certificate of Completion (NFPA 72) shall be completed and provided to the Fire Marshal's Office prior to final acceptance.

**Note:** A fully addressable fire alarm system shall require that the monitoring company provide a point-to-point description of the device actuation (e.g., Alarm, Smoke Detector and Riser Room). An approved simplified floor plan of the areas served by the alarm panel may be required to be posted near the annunciation panel. Zone descriptions and/or devices shall correspond with the floor plan. Check with the Fire Marshal's Office.

**SECTION 14-5 - KITCHEN HOOD SYSTEMS:** Kitchen hood systems shall be installed in accordance with the International Fire Code and NFPA 17 or 17A. The installing contractor shall perform all tests. The testing shall include:

- All components, including remote manual pull stations, mechanical or electric devices, detectors, actuators, and inter-locks, shall be tested for proper operation during the inspection in accordance with the manufacturers' listed procedures.
- Gas cooking appliances shall be connected to gas lines prior to testing.
- Electric power required for acceptance testing of systems shall be provided by grid power only.
- Upon activation of the system, the makeup air supply to a hood system shall be shut down and hood exhaust fans shall continue to run unless shutdown is required by the extinguishing system manufacturer or unless another component of the system requires shutdown.
- When the building has a fire alarm system, the hood extinguishing system shall be connected to provide alarm signals to the Fire Alarm Control panel and third party monitoring.
- A Class K fire extinguisher shall be required for UL 300 compliant kitchen hood systems.

# General Contractor's Fire Code Job Site Reference Guide

The entire system shall be fully installed, operational and pre-tested prior to system acceptance testing by the Fire Marshal's Office.

**SECTION 15 - IDENTIFICATION OF FIRE PROTECTION EQUIPMENT:** Room(s) containing the fire sprinkler riser(s) or fire alarm control panel (FACP) shall be identified with signage on doors leading to the room(s).

**SECTION 16 - AUTOMATIC AND MANUAL SECURITY GATES OR BARRICADES:** Plans for the installation of automatic security gates or barricades across fire apparatus access roads shall be submitted to the City of Moore Fire Marshal's Office at 2400 S. Fritts Blvd., (405) 793-4447. The plan shall include, but is not limited to the width of the gate opening, direction of gate swing, location of pre-emption device, and location of @Knox gate switch.

**SECTION 17 - MANUAL GATES FIRE DEPARTMENT ACCESS:** Manual gates installed across fire apparatus access roads shall require a @Knox Box padlock. The padlock may be purchased from the Knox Company or a standard padlock may be utilized. When a standard padlock is found, the fire department will use bolt cutters to open the gates. The City of Moore Fire Department will not be responsible for replacement of the padlock.

## **SECTION 18 - TENANT IMPROVEMENT REQUIREMENTS:**

- All applicable fire protection system installing contractor representatives must be on site for final system inspections and testing.
- Approved plans and installation permits shall be on-site.
- The Fire Marshal shall confirm that all fire protection systems are in accordance with approved plans and adequate fire sprinkler and fire alarm coverage is provided.
- Fire sprinkler contractor will flow water using Inspector Test Valve (ITV). The inspector will verify exterior water bell activation and fire alarm audio/visual devices operate properly.
- Fire alarm contractor will contact monitoring company to verify signals were accurately received and at the correct address.

## **SECTION 19 - CERTIFICATE OF OCCUPANCY (C O). GENERAL:**

- **Approved** fire protection plans bearing the Fire Marshal's Office stamp and installation permits must be available at the job site at all times from the start of construction through final Certificate of Occupancy inspection.

# General Contractor's Fire Code Job Site Reference Guide

- The Fire Marshal will initiate paperwork for each inspection conducted at your project. Keep this paperwork on the job site.
- You may be required to provide documentation that an inspection has been completed and it shall be your responsibility to provide that paperwork.

## **Temporary Certificate of Occupancy (TCO):**

Where permits are required and upon the request of a permit applicant, the Fire Marshal's Office is authorized to issue a temporary/conditional permit to occupy the premises or portion thereof before the entire work or operations on the premises is completed, provided that such portion or portions will be occupied safely prior to full completion or installation of equipment and can do so without endangering life or public welfare. The Fire Marshal's Office shall notify the permit applicant in writing of any limitations or restrictions necessary to keep the permit area safe. The holder of a conditional permit shall proceed only to the point for which approval has been given, at the permit holder's own risk and without assurance that approval for the occupancy or the utilization of the entire premises, equipment or operations will be granted.

**SECTION 19-1 - TCO OR C O CHECKLIST:** The following is a checklist of the most common items that will be confirmed as being in compliance for Temporary Certificate of Occupancy (TCO). This checklist is not intended to include all items or issues. Compliance with additional items may be required prior to the Fire Marshal's signing for TCO or C O.

- Fire sprinkler system inspected, tested and approved by the Fire Marshal's Office.
- Construction is in accordance with the approved plans.
- Fire alarm system inspected, tested and approved by the Fire Marshal's Office. Third party monitoring shall be tested and approved.
- Commercial kitchen hood system inspected, tested and approved by the Fire Marshal's Office.
- Any other fire protection systems inspected, tested and approved by the Fire Marshal's Office.
- The building address and/or suite number shall be posted to be visible from the street, mounted on the building or on a roadway monument.
- @Knox key box(s) installed, see Section 12. The following Keys shall be placed in @Knox box(s):



# General Contractor's Fire Code Job Site Reference Guide

- A key to unlock the fire riser or Fire Alarm Control Panel (FACP) room door.
- Key(s) to unlock the main and rear doors (may be contractor keys at this time).
- A key to unlock the Fire Alarm Control Panel (FACP) cover door.
- Fire Department Connections FDC's identified with signage, when required.
- All fire line backflow devices and wall indicator valves shall be chained and padlocked in the open position or tamper monitored by a third party.

**SECTION 19-2 – FULL CERTIFICATE OF OCCUPANCY (C O) CHECKLIST:** In addition to Section 20-1, the following is a checklist of the most common items that will be confirmed as being in compliance for full C O. This checklist is not intended to include all items or issues. Compliance with additional items may be required prior to the City of Moore Fire Marshal's Office approval for full C O.

- All fire riser rooms and fire alarm control panel rooms shall be identified with signage. See Section 16.
- Permanent fire apparatus access roads paved with curbing, movable bollards or chains and aprons completed and approved fire lane signs installed.
- Suite numbers posted, front and rear doors, in accordance with code requirements.
- FDC signage installed to identify building it serves in accordance with code requirements.
- Vehicle protection for gas meters, backflow devices, and other fire protection equipment is installed when subject to vehicular traffic.
- Portable fire extinguishers installed to be visible and accessible.
- Permanent, occupant keys shall be required to be placed in the Knox box(s).

**If you are unsure of a requirement contact:**

**City of Moore Fire Marshal's Office  
2400 S. Fritts Blvd.**

16

The City of Moore Fire Marshal's Office: 2400 S. Fritts Blvd., Moore, OK 73160  
Ph: (405) 793-4447 Fax: (405) 793-5216

Revised May 2016

# General Contractor's Fire Code Job Site Reference Guide

**Moore, Ok 73160  
(405) 793-4447**