



ENID FIRE DEPARTMENT

FIRE PREVENTION DIVISION

410 W. OWEN K. GARRIOTT RD.

ENID, OK 73701-5522

PH: (580) 234-0541 - FAX (580) 249-4005

DATE: AUGUST 12, 2009

SUBJECT: PLAN REVIEW, APPROVAL AND PERMITS OF FIRE PROTECTION SYSTEMS

Currently, the City of Enid has adopted the 2006 Editions of the ICC family of Building Codes including *The International Building Code, International Residential Building Code, International Residential Code for One- and Two-Family Dwellings, the International Fire Code* and others. We have also adopted the 2003 Edition of *NFPA 101 – The Life Safety Code*. These codes identify occupancies and facilities where various fire protection systems are required. Further, they identify referenced standards for installation of those fire protection systems.

Fire protection systems, whether required by adopted code, or voluntary, non-required systems shall be installed according to the most-current and appropriate referenced standard as follows:

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| • Portable Fire Extinguishers: | <i>NFPA 10 – 2007 Ed.</i> |
| • Sprinkler Systems: | <i>NFPA 13 – 2007 Ed.</i> |
| • Sprinkler Systems – One- and Two-Family Dwellings: | <i>NFPA 13D – 2007 Ed.</i> |
| • Sprinkler Systems – Residential Occupancies \leq 4 stories: | <i>NFPA 13R – 2007 Ed.</i> |
| • Standpipe and Hose Systems: | <i>NFPA 14 – 2007 Ed.</i> |
| • Water Spray Fixed Systems: | <i>NFPA 15 – 2007 Ed.</i> |
| • Dry Chemical Extinguishing Systems: | <i>NFPA 17 – 2009 Ed.</i> |
| • Wet Chemical Extinguishing Systems (UL-300): | <i>NFPA 17A – 2009 Ed.</i> |
| • Installation of Stationary Fire Pumps: | <i>NFPA 20 – 2007 Ed.</i> |
| • Automatic Fire Alarm Systems: | <i>NFPA 72 – 2007 Ed.</i> |

Per the provisions of The International Fire Code, Section 105.7, Construction permits are required for installation or modification (other than routine maintenance) to any of the following:

- Automatic Fire Extinguishing Systems (105.7.1)
- Battery Systems (1.5.7.2)
- Compressed Gases (105.7.3)
- Fire Alarm and Detection Systems (105.7.4)
- Fire Pumps and Related Equipment (105.7.5)
- Flammable and Combustible Liquids (105.7.6)
- Hazardous Materials (105.7.7)
- Industrial Ovens (105.7.8)
- LP Gas Systems (105.7.9)
- Private Fire Hydrants (1.5.7.10)
- Spraying or Dipping (105.7.11)
- Standpipe Systems (105.7.12)
- Temporary Membrane Structures, Tents & Canopies (105.7.13)

Such permits must be obtained from the office of the Fire Marshal of the City of Enid. Construction documents for such systems shall be prepared and submitted in accordance with IFC Section 105.4.

Section 104.7.2 of the International Fire Code reads as follows:

104.7.2 Technical Assistance. To determine the acceptability of technologies, processes, products, facilities, materials and uses attending the design, operation or use of a building or premises subject to inspection by the fire code official, the fire code official is authorized to require the owner or agent to provide, without charge to the jurisdiction, a technical opinion and report. The opinion and report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization acceptable to the fire code official and shall analyze the fire safety properties of the design, operation or use of the building or premises and the facilities and appurtenances situated thereon, to recommend necessary changes. The fire code official is authorized to require design submittals to be prepared by, and bear the stamp of, a registered design professional.

Effective immediately and until further notice, all construction plans and submittals for fire protection systems must be submitted to an approved, independent fire protection engineer/consultant for review. Such plans will then be forwarded to the office of the Fire Marshal along with a technical opinion and report as outlined above. Upon final approval, the Fire Marshal will issue a permit for construction and installation of the system. Per IFC Section 105.4.6, *“One set of approved construction documents shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.”* **No work is to be performed on the proposed systems until plans are approved and a permit issued.**

The approved, independent fire protection engineer/consultant shall also be retained to conduct inspections at 50% and final completion of the system to verify that installation is in accordance with the reviewed plans and associated standards.

At the time of this writing, pre-approved fire protection engineer/consultants are as follows:

J.C. Carroll, dba Fire Protection Consulting, Inc.
588 Misty Morning Drive
Choctaw, OK 73020
Phone/fax: (405) 390-0426
Cell phone: (405)250-4296
Email: fire_consult@cox.net

Lance D. LaRue, dba PARADIGM Engineering, PLLC
PO Box 204
Choctaw, OK 73020
Phone: (405) 306-1400
Email: llarue@pbsengineering.com
www.PBSEngineering.com

Contact the office of the Fire Marshal at (580) 234-0541 for pre-approval of other fire protection engineers or for any questions concerning submittal of plans for fire protection systems.

Sincerely,


Kenneth J. Helms, Fire Marshal