

CITY OF ABILENE
BUILDING STANDARDS BOARD
MEETING AGENDA

March 1, 2018 at 1:30 p.m.
City Manager Conference Room
419 N. Broadway

Agenda Item
Call to Order.
Approval of the Agenda.
Approval of the Meeting Minutes – September 13, 2017.
Business. <ol style="list-style-type: none">1. Contractor licensing fee/penalty for not obtaining CEU's.2. Exemption list to obtain a building permit.3. NEC 2008 - Arc Fault Breaker.
Comments.
Adjournment.

**CITY OF ABILENE
BUILDING STANDARDS BOARD
APPEAL HEARING MINUTES**

**September 13, 2017 at 1:00 p.m.
City Manager Conference Room
419 N. Broadway**

Members Present: Barry Griffis, Greg Hottman, Max Linder and Bob Sims

Members Absent: John Hultgren

Staff Present: Jennie Hiatt, Administrative Assistant, Travis Steerman, City Inspector and Jeremy Stuck, Firefighter

Others Present: Curtis Barbee

Call to Order.

The meeting was called to order.

Approval of Agenda.

Sims made a motion to approve the agenda. The motion was seconded by Hottman. The motion passed unanimously. (4-0)

Approval of Meeting Minutes – July 6, 2017.

Sims made a motion to approve the minutes as written. The motion was seconded by Hottman. The motion passed unanimously. (4-0)

Business.

1. Introduction of Travis Steerman.

Steerman told a little bit about himself.

2. ICC –Pearson-Vue Test Acceptance.

Steerman updated the board on how the ICC came about and the research that he had done.

There was discussion.

Sims made a motion to accept ICC testing as a way to get licensed as a contractor. The motion was seconded by Linder. The motion passed unanimously. (4-0)

3. Amendment to the NEC 2008 Code – Arc Fault Breaker Areas.

Steerman reviewed the current code regarding the arc fault breaker requirements. This would be on a remodel or brand new construction only and required just for bedroom receptacles.

There was discussion.

Linder made a motion to table the amendment and directed staff to do further research into the City of Salina's requirements. The motion was seconded by Griffis. The motion passed unanimously. (4-0)

Comments.

Barbee stated that he questions why he wasn't grandfathered in for his mechanical license when they started requiring contractors years ago and he was grand-fathered as a plumber, but not under mechanical. He commented that then City Inspector Dick Paul had said that he didn't need his mechanical license. Barbee stated that he has always done HVAC work, but is only licensed as a plumber for all of these years and gets CEU's for boiler classes and has his refrigerant license.

There was discussion.

Adjournment.

Minutes Submitted,

Minutes Approved,

Jennie J. Hiatt
Administrative Assistant

Travis Steerman
City Inspector

Article 13. Electricians

3-1301. License.

No person shall engage in business as an electrician without obtaining a license from the City Clerk. To obtain a business license, the applicant must provide proof of a minimum of one master who is actively involved by the company in the trade for which the applicant is requesting to be licensed. Licenses shall expire on December 31 of each year and shall not be transferable. The Building Standards Board may suspend for a definite period or revoke a license for good cause.

(Ord. 3051)

3-1302. Examination and certification.

Any person desiring to engage in business as an electrician in the City of Abilene shall hold a certificate from Block and Associates. Testing and certification shall be for master and journeymen electricians. As provided by K.S.A. 12-1525, examinations prepared by Block and Associates, and administered by Thompson Prometric are designated as a standard examination for certification and licensure of electricians in the City of Abilene, Kansas. A minimum score of 75% is required for licensure. Before sitting for the standard examination for journeyman certification, the applicant must demonstrate proof of a minimum of two years field experience working under the direct supervision of a person having a valid journeyman or master certificate. No more than one year of the requirement may be satisfied by trade related schooling. Schooling shall consist of a minimum of 240 hours classroom training. Before sitting for the standard examination for master certification, the applicant must demonstrate proof of a minimum of two years of having a valid journeyman certificate, or having field experience for a minimum of four years. Everyone licensed shall be required to obtain not less than 12 hours biennially of continuing education approved by the City of Abilene.

(Ord. 3051)

3-1303. Fee.

The fee for an electrician's license for the first year shall be two hundred dollars (\$200.00) and the renewal fee shall be twenty dollars (\$20.00) for each year thereafter, provided that if such fee is not paid by February 15, the first year fee shall be charged.

3-1304. Insurance.

No person shall engage in business as an electrician without filing with the Secretary of the Building Standards Board evidence of a current policy of public liability insurance in the following amounts:

- (a) Three hundred thousand dollars (\$300,000.00) for bodily injury liability;
- (b) Three hundred thousand dollars (\$300,000.00) for the loss, destruction or injury of any property;
- (c) Automobile liability insurance in the amount of (\$300,000.00).

Such policy shall be conditioned or extended to cover and include within its terms all employees, assistants and agents of the insured.

(Ord. 3051)

3-1305. Penalty.

Any person, firm or corporation violating any of the provisions of this article shall, upon conviction thereof, be fined in any sum not exceeding one hundred dollars (\$100.00), or be imprisoned not to exceed thirty (30) days, or be both so fined and imprisoned. Each day's violation shall constitute a separate offense.

105.2 Work Exempt From Permit

Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. *Permits* shall not be required for the following:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet (11 m²).
2. Fences not over 6 feet (1829 mm) high.
3. Oil derricks.
4. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or IIIA liquids.
5. Water tanks supported directly on grade if the capacity does not exceed 5,000 gallons (18 925 L) and the ratio of height to diameter or width does not exceed 2:1.
6. Sidewalks and driveways not more than 30 inches (762 mm) above adjacent grade, and not over any basement or *story* below and are not part of an *accessible route*.
7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches (610 mm) deep, do not exceed 5,000 gallons (18 925 L) and are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
11. Swings and other playground equipment accessory to detached one- and two-family *dwellings*.
12. Window *awnings* supported by an *exterior wall* that do not project more than 54 inches (1372 mm) from the *exterior wall* and do not require additional support of Groups R-3 and U occupancies.

13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

Electrical:

Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of *approved* portable electrical equipment to *approved* permanently installed receptacles.

Radio and television transmitting stations: The provisions of this code shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas.

Temporary testing systems: A *permit* shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

1. Portable heating appliance.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliance.
2. Portable ventilation equipment.
3. Portable cooling unit.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.
5. Replacement of any part that does not alter its approval or make it unsafe.
6. Portable evaporative cooler.
7. Self-contained refrigeration system containing 10 pounds (5 kg) or less of refrigerant and actuated by motors of 1 horsepower (746 W) or less.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a *permit* shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

105.2.1 Emergency Repairs

Where equipment replacements and repairs must be performed in an emergency situation, the *permit* application shall be submitted within the next working business day to the *building official*.

105.2.2 Repairs

Application or notice to the *building official* is not required for ordinary repairs to structures, replacement of lamps or the connection of *approved* portable electrical equipment to *approved* permanently installed receptacles. Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or cutting of any structural beam or load-bearing support, or the removal or change of any required *means of egress*, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repairs include *addition* to, *alteration* of, replacement or relocation of any standpipe, water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping, electric wiring or mechanical or other work affecting public health or general safety.

105.2.3 Public Service Agencies

A *permit* shall not be required for the installation, *alteration* or repair of generation, transmission, distribution or metering or other related equipment that is under the ownership and control of public service agencies by established right.

Building permit exemption changes additions

2. Be deleted

6. Sidewalks and driveways not more than 30 inches above adjacent grade, and not over any basement or story below and are part of an accessible route. Sidewalk and driveway located in the ROW require ROW permit. Sidewalks being replaced under the City of Abilene sidewalk program must be inspected and permitted.

14. Window replacement and siding where no other work or structure modifications requiring a building permit is being done.

Electrical Permit Exemptions 80.19 (C)

1. The installation and removal of listed cord-and-plug connected temporary decorative lighting
2. Replacement of branch circuit over current devices of the required capacity in the same location
3. Electrical wiring, devices, appliances, apparatus, or equipment operating at less than 50 volts.
4. Minor repair and maintenance work, including the replacement of lamps, switches, and receptacles where no installation or removal of electrical wiring is involved
5. The connection of approved portable electrical equipment to approved permanently installed receptacles.
6. The installation of electrical equipment used for radio and television transmission, except for the installation of towers and antennas
7. The installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Building or remodeling something in Rose Hill?

Below are frequent project types and the City's licenses and permit requirements. Applications for licenses and permits are available online or at City Hall.



September 2015

Type of Project*	License Required**					Permit Required					
	General	Electrical	Plumbing	Mechanical	Miscellaneous	Building	Electrical	Plumbing	Mechanical	Zoning	Other
Basement finishing	•	•	•	•		•	•	•	•		
Car Port	•					•				•	
Deck	•	•				•	•				
Fence					•	•					
Gas stove/range			•					•			
Heating and air conditioning unit		•		•			•		•		
Home business										•	Safety
Installing drywall (less than 100 square feet)											
Mobile home	•	•	•	•	•	•	•	•	•	•	
New home	•	•	•	•		•	•	•	•	•	
Re-wiring electricity for a room		•					•				
Roofing (on existing structure)					•	•					State license
Shed: Greater than 180 square feet	•					•				•	
Shed: Less than 180 square feet											Anchor only
Sidewalk/pavement in right of way	•					•					
Signs, permanent with electricity		•			•	•	•			•	
Signs, permanent without electricity					•					•	
Sewer tap (new service or repair service)			•					•			
Swimming pool at residence	•	•	•			•	•	•			
Toilet											
Toilet, including new plumbing			•					•			
Water heater, Gas			•					•			
Water heater, Electric		•					•				
Water well		•					•				
Water tap (new service or repair service)			•					•			
Windows and siding					•	•					

* Depending on detailed specifications, some requirements may vary.

** Residential property owners doing their own work are not required to be licensed, but a permit is still required. Anyone assisting a homeowner must be licensed. Miscellaneous licenses include Fence, Roofing, Siding, Sign Hangers, Structure Moving, Swimming Pool, Window Replacement, and Wrecking.

Summary of Requirements to obtain a license:

Certificates of Insurance (general liability, automotive liability, and Kansas workman's compensation) listing the City of Rose Hill as an additional insured. A copy of a current license from one of the reciprocating jurisdictions (Wichita, Sedgwick County, Andover, etc.) that is comparable to the contractor class for which applying, or provide a copy of an accredited competency test certificate. A test certificate or license from another jurisdiction is not required for Miscellaneous licenses except for Roofing and Swimming Pool licenses.

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specifications, location, and so forth. Fees shall be determined as required by local laws.

- (3) The authority having jurisdiction shall review all applications submitted and issue permits as required. If an application for a permit is rejected by the authority having jurisdiction, the applicant shall be advised of the reasons for such rejection. Permits for activities requiring evidence of financial responsibility by the jurisdiction shall not be issued unless proof of required financial responsibility is furnished.

Section 5. New Section. The Salina Code is amended by adding a new section to Chapter 8, Article I, Division 5 to be numbered 8-1-5-80.27 which section reads as follows:

Sec. 8-1-5-80.27. Amendment to Annex H, Section 80.27 of the NEC.

Section 80.27 of the NEC is amended to read as follows:

Sec. 80.27 Inspector's Qualifications. Deleted.

Section 6. New Section. The Salina Code is amended by adding a new section to Chapter 8, Article I, Division 5 to be numbered 8-1-5-210.12 which section reads as follows:

Sec. 8-1-5-210.12. Amendment to Article 210.12 of the NEC.

Section 210.12 of the NEC is amended to read as follows:

Sec. 210.12 Arc-Fault Circuit-Interrupter Protection. Arc-fault circuit-interrupter protection shall be provided as required in 210.12 (A), (B), and (C). The arc-fault circuit-interrupter shall be installed in a readily accessible location.

A. Dwelling Units. All 120 volt, single phase, 15 and 20 ampere circuits supplying outlets installed in dwelling units, kitchens family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, laundry areas or similar rooms or areas shall be protected by any of the means described in 210.12(A)(1) through (6):

- (1) A listed combination-type arc-fault circuit interrupter installed to provide protection of the entire branch circuit.
- (2) A listed branch/feeder type AFCI installed at the origin of the branch circuit in combination with a listed outlet branch-circuit type AFCI installed at the first outlet box on the branch circuit. The first outlet box in the branch circuit shall be marked to indicate that it is the first outlet of the circuit.
- (3) A listed supplemental arc protection circuit breaker installed at the origin of the branch circuit in combination of a listed outlet branch-circuit type AFCI installed at the first outlet box on the branch circuit where all of the following conditions are met:
 - a. The branch-circuit wiring shall be continuous from the branch-circuit overcurrent device to the outlet branch-circuit arc-fault circuit interrupter;
 - b. The maximum length of the branch circuit wiring from the branch-circuit overcurrent device to the first outlet shall not exceed 50 feet for a 14AWG conductor or 70 feet for a 12 AWG conductor; and

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c. The first outlet box in the branch circuit shall be marked to indicate that it is the first outlet of the circuit.

(4) A listed outlet branch-circuit type arc-fault circuit interrupter installed at the first outlet of the branch circuit in combination with a listed branch-circuit overcurrent protective device where all of the following conditions are met:

a. The branch-circuit wiring shall be continuous from the branch-circuit overcurrent device to the outlet branch-circuit arc-fault circuit interrupter;

b. The maximum length of the branch circuit wiring from the branch-circuit overcurrent device to the first outlet shall not exceed 50 feet for a 14AWG conductor or 70 feet for a 12 AWG conductor;

c. The first outlet box in the branch circuit shall be marked to indicate that it is the first outlet of the circuit; and

d. The combination of the branch-circuit overcurrent device and outlet branch-circuit AFCI shall be identified as meeting the requirements for a system combination-type AFCI and shall be listed as such.

(5) If RMC, IMC, EMT, Type MC, or steel-armored Type AC cables meeting the requirements of 250.118, metal wireways, metal auxiliary gutters and metal outlets and junction boxes are installed for a portion of the branch circuit between the branch-circuit overcurrent device and the first outlet, it shall be permitted to install a listed outlet branch-circuit type AFCI at the first outlet to provide protection for the remaining portion of the branch circuit.

(6) Where a listed metal or nonmetallic conduit or tubing or Type MC cable is encased in not less than 2 inches of concrete for the portion of the branch circuit between the branch-circuit overcurrent device and the first outlet, it shall be permitted to install a listed outlet branch-circuit type AFCI at the first outlet to provide protection for the remaining portion of the branch circuit.

Exceptions:

Where an individual branch circuit to a fire alarm system installed in accordance with Section 760.41(B) or 760.121(B) is installed in RMC, IMC, EMT, or steel sheathed cable type AC or Type MC, meeting the requirements of Section 250.118, with metal outlet and junction boxes, AFCI protection shall be permitted to be omitted.

Section 7. **New Section.** The Salina Code is amended by adding a new section to Chapter 8, Article I, Division 5 to be numbered 8-1-5-230.70 which section reads as follows:

Sec. 8-1-5-230.70. Amendment to Article 230.70 of the NEC.

Section 230.70 of the NEC is amended to read as follows:

Sec. 230.70 General. Means shall be provided to disconnect all conductors in a building or other structure from the service-entrance conductors.

(A) *Location.* The service disconnecting means shall be installed in accordance with 230.70(A) (1), (2), and (3).

(1) *Readily Accessible Location.* The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure or inside nearest the point of entrance of the service conductors. For one and two family dwellings, the

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Article 210.8(A)(2) Dwelling Units. All 125 volt, single phase, 15 or 20 ampere receptacles installed in garages and grade level portions of unfinished accessory buildings used for storage or work areas shall have ground fault circuit interrupter protection for personnel.

Exceptions:

1. Receptacles that are not readily accessible.
 2. A single receptacle or duplex receptacle located within dedicated space for each appliance that in normal use is not easily moved from one place to another, and that is cord and plug connected.
2. Article 210.8(B)(2) of the National Electrical Code is hereby changed to read as follows:

Article 210.8(B)(2) Other Than Dwelling Units. All receptacles that are readily accessible and do not serve a dedicated appliance.

3. Article 210.12 of the National Electrical Code is hereby changed to read as follows:

Article 210.12 Arc Fault Circuit Interrupter Protection.

- a. **Definition.** An arc-fault circuit interrupter is a device intended to provide protection from the effects of arc faults by recognizing characteristics unique to arcing and by functioning to de-energize the circuit when an arc fault is detected.
 - b. **Dwelling Unit Bedrooms.** All branch circuits that supply 125 volt, single phase, 15 and 20 ampere receptacle outlets installed in dwelling unit bedrooms shall be protected by an arc-fault circuit interrupter(s) of the combination type.
4. Article 300.5(C) of the National Electrical Code is hereby amended to read as follows:

Article 300.5(C) Underground Cables Under Buildings. Underground cable installed under a building shall be in a raceway.

5. Article 334.10 of the National Electrical Code is hereby amended to read as follows:

Article 334.10 Uses Permitted. Type NM, Type NMC, and Type NMS cables shall be permitted to be used in the following:

1. One and two family dwellings
2. Multi-family dwellings permitted to be of Type III, IV and V construction

A) Type NM. Type NM cable shall be permitted as follows: