



# MABCD CONSTRUCTION INDUSTRY NEWSLETTER

Issue 13 – June 2022

Chris Nordick - Editor

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## Administration-

### Building Permit Exemptions for Accessory Structures

Building Permit exemptions for structures under 200 sq ft in the City of Wichita and 400 sq ft in unincorporated Sedgwick County do **not** include:

1. An accessory structure with electricity (which requires a foundation)
2. An accessory structure that has an interior finish (sheetrocked) that exceeds an area of 100 sq ft.
3. An accessory structure that has electrical or plumbing or HVAC installed
4. Carports, pool houses, and detached garages with utilities



***These are circumstances where a building permit must be obtained and inspections performed.***

**Location permits are required for any accessory structure greater than 25 sq ft.**

Flatwork for private driveway slabs, private sidewalks, cement patio slabs (at grade) do not require permits. This refers to the concrete only, and any covers or overhead structures must be permitted.



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#### Special points of interest

- Accessory Structures.
- Permit cards required on site
- Swimming pool bonding Part 2 .
- Single bottom cylinder replacement.
- Bathroom Exhausts.
- Plumbing Section Inspector position.
- WFD KNOXBOX Requirements.
- Advisory Board calendar.

# Building Division-

Please visit our website for more information  
[Building Division](#)

## IRC SECTION R105.7—Placement of inspection card.

Section R105.7 of the International Residential Code is amended to read as follows:

R105.7 Placement of inspection record card and address marker.

“The inspection record card shall be kept on the site of the work until completion of the project.

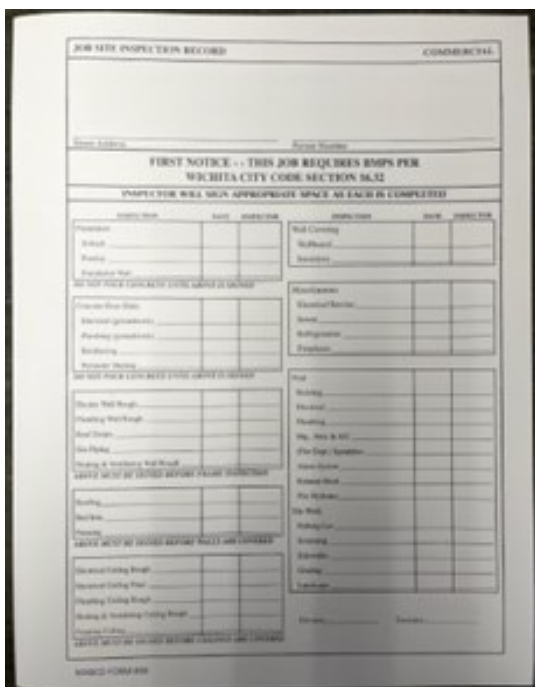
Work requiring a permit shall not be commenced until the inspection record card is posted or otherwise made available on the site. The inspection record card shall be maintained and available on site until final inspection approval has been granted by the Building Official.

Work shall not be started until the address is posted in such a position as to be plainly visible and legible from the street or road fronting the site”.

***This is required for ALL projects both residential and commercial where a building permit is required and provided.***

RESIDENTIAL FOR INSPECTION ----- CALL 316-660-1840			
FIRST NOTICE ----- THIS JOB REQUIRES BMPS PER WICHITA CITY CODE SECTION 16.32			
JOB SITE INSPECTION RECORD		POST THIS CARD AT OR NEAR FRONT OF JOB SITE	
PERMIT NO.	ADDRESS		
NATURE OF WORK			
SETBACK:	EASEMENT		
FRONT:	REAR:	RIGHT SIDE:	LEFT SIDE:
DESCRIPTION:			
CONTRACTOR:			
INSPECTOR MUST SIGN APPROPRIATE SPACE			
FOUNDATION	DATE	INSPECTOR	
Setback			
Footings			
Foundation Wall			
Uter Location			
Structural Pool Bond			
Perimeter Pool Bond			
DO NOT POUR CONCRETE UNTIL ABOVE IS SIGNED			
INSPECTION	DATE	INSPECTOR	
Electrical (groundwork)			
Plumbing (groundwork)			
Reinforcing			
Perimeter Heating			
Hydroponic Piping			
DO NOT POUR CONCRETE UNTIL ABOVE IS SIGNED			
INSPECTION	DATE	INSPECTOR	
Heating & Ventilation			
Rough Electrical			
Rough Plumbing			
Gas Piping			
Fireplaces			
Basement wired for finish Yes <input type="checkbox"/> No <input type="checkbox"/>			
Approved Ceiling fan boxes (Number) <input type="text"/>			
DATE		SERVICE DRIVE	INSPECTOR
APPROVAL REQUIRED PRIOR TO FRAMING INSPECTION			
Framing			
Electrical Service			
Basement Framing Approved Yes <input type="checkbox"/> No <input type="checkbox"/>			
Fire rated wall board Yes <input type="checkbox"/> No <input type="checkbox"/>			

MABCD Form #21 Rev 11/1/00 PS-408



# Electrical Division-

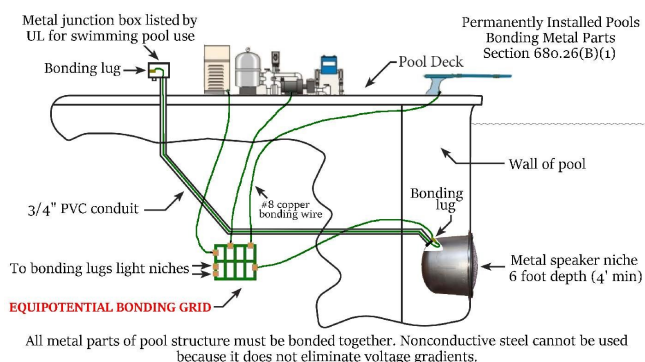
Please visit our website for more information: [Electrical, Elevator, & Alarm Division](#)

## NEC Article 680.26—Bonding of Electrical Equipment

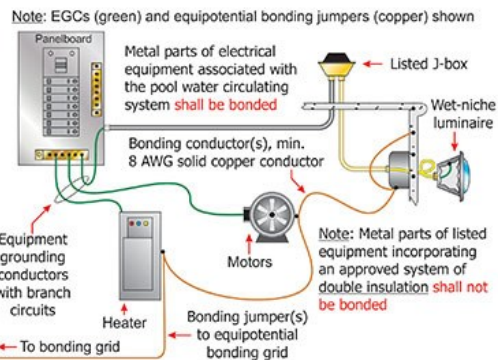
### Article 680.26 — Bonding of Electrical Equipment.

**680.26(B)(6) Electrical Equipment.** Metal parts of electrical equipment associated with the pool water circulating system, such as water heaters, pump motors, and metal parts of pool covers must be bonded to the equipotential grid.

Ex: Metal parts of listed double-insulated equipment aren't required to be bonded.



### 680.26(B)(6) Bonding of Electrical Equipment



**(a) Double-Insulated Water-Pump Motors.** If a double-insulated water-pump motor is installed, a solid 8 AWG copper bonding conductor must be provided for a replacement motor.



### Article 680.26—Pool Water

**680.26(C) Pool Water.** Where none of the bonded parts are in direct connection with the pool water, the pool water shall be in direct contact with an approved corrosion-resistant conductive surface that exposes not less than 9sq in of surface area to the pool water at all times. The conductive surface shall be located where it is not exposed to physical damage or dislodgement during usual pool activities, and it shall be bonded in accordance with 680.26 (B).

The pool water shall be shall be Bonded on every pool even fiberglass Pools that have a circulating pump.



Please visit our website for more information: [Electrical, Elevator, & Alarm Division](#)

## A17.3 Existing Elevator Safety Code.— Section 4.3.3.— Hydraulic Elevators

Beginning January 1, 2018. We began enforcement of the newly adopted A17.3 – Safety Code for Existing Elevators and Escalators 2015 Edition. Prior to the enforcement date we sent copies of the timeline for enforcement to every elevator contractor. All items not listed in the timeline where required to be addressed immediately.

### Section 4.3.3.—Hydraulic Elevator Cylinders.

**(This replacement requirement shall be met by December 31st 2023)**

Hydraulic elevators that have any portion of the cylinder buried in the ground and that do not have a double cylinder or a cylinder with a safety bulkhead shall:

**(a)** have the cylinder replaced with a double cylinder or a cylinder with a safety bulkhead protected from corrosion by one or more of the following methods:

**(1)** monitored cathodic protection

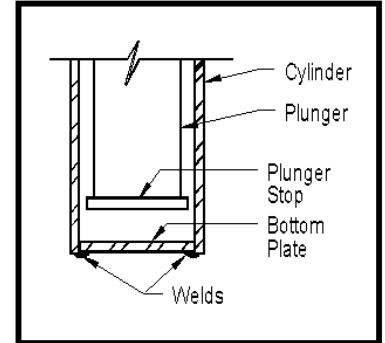
**(2)** a coating to protect the cylinder from corrosion that will withstand the installation process

**(3)** a protective plastic casing immune to galvanic or electrolytic action, salt water, and other known underground conditions, or

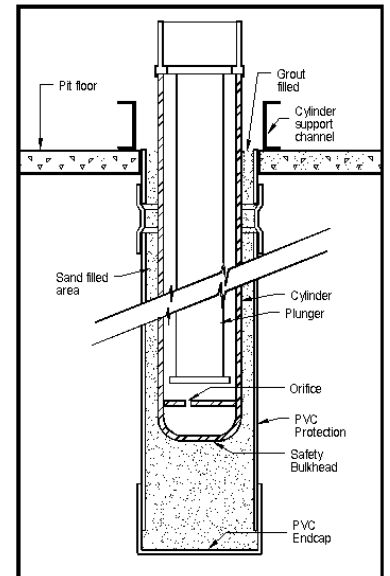
**(b)** be provided with a device meeting the requirements of Section 3.5 or a device arranged to operate in the down direction at an overspeed not exceeding 125% of rated speed. The device shall mechanically act to limit the maximum car speed to the buffer striking speed, or stop the elevator car with rated load with a deceleration not to exceed 32.2 ft/sec<sup>2</sup> (9.8 m/s<sup>2</sup>), and shall not automatically reset. Actuation of the device shall cause power to be removed from the pump motor and control valves until manually reset, or

**(c)** have other means acceptable to the authority having jurisdiction to protect against unintended movement of the car as a result of uncontrolled fluid loss.

Single Bottom Cylinders



Double Bottom with PVC Protection



## Mechanical (HVAC) Division-

Please visit our website for more information [Mechanical \(HVAC\) Division](#)

### UBTC Sec. 5.4.080. – Bathroom Exhaust

**Code Fact:** Exhaust ducts may terminate into a ventilated attic provided they comply with UBTC’s Section 5.4.080 ([Exception 2](#)).

#### UBTC Sec. 5.4.080. – Bathroom Exhaust..

Section M1501.1.1 of the 2021 International Residential Code is amended to read as follows:

#### Sec. 5.4.080. – Bathroom Exhaust.

Section M1501.1 of the International Residential Code is amended to read as follows:

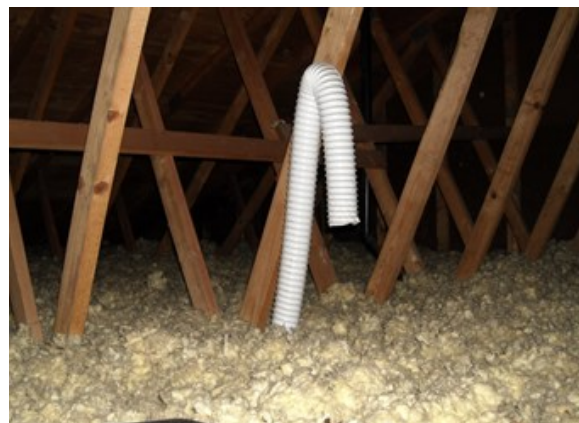
Outdoor Discharge. The air removed by mechanical exhaust systems shall be discharged to the outdoors in accordance with Section M1506.2.

Exceptions:

(1) Whole house ventilation-type attic fans that discharge into the attic space of dwelling units having private attics shall be permitted.

(2) Ventilation air from residential bathrooms or toilet rooms may be exhausted into a properly ventilated attic when all of the following are met:

1. The duct(s) conveying exhaust into the attic shall terminate a minimum of thirty-six (36) inches above the top of the ceiling framing members, and shall not discharge upon any building element.
2. Attics into which bath and/or toilet room exhausts are discharged must be properly ventilated, in accordance with Section R806, and shall not discharge into an unvented attic assembly.
3. The exhaust duct(s) shall terminate above the top of the attic Insulation with a "goose[1]neck" installed to prevent infiltration of insulating material into the duct.
4. Exhaust duct(s) run above the insulation inside of attics, with a developed length greater than five (5) feet, shall be insulated.



## Plumbing Division-

Please visit our website for more information [Plumbing Division](#)

***Plumbing Inspector position open—applications now being taken.***

There is an open position for a plumbing inspector at MABCD. Please click on the link below to view more information about qualifications, job description and submit an application.

[Sedgwick County Careers](#)



For more information, please contact the Chief Plumbing Inspector Jason Little.

[Jason.little@sedgwick.gov](mailto:Jason.little@sedgwick.gov) 316-660-1717.



# Wichita Fire Department-

## ***KNOXBOX'S REQUIRED—EXTERIOR***

**“Chapter 5, Section 506.1 amended – Where required.**

**Chapter 5, Section 506.1 of the International Fire Code, 2018 Edition, is amended to read as follows:**

**506.1 Where required: Where access to or within a structure or an area is restricted because for secured openings or where immediate access is necessary for life-saving or firefighting purposes, or where an automatic fire sprinkler system, fire alarm system or elevator(s) is/are present, the fire code official is authorized to require a key box to be installed in an approved location. The key box shall be of an approved type listed in accordance with UL 1037 and shall contain keys to gain necessary access as required by the fire code official.”**



### **EXTERIOR KNOXBOX**

- The Knoxbox shall contain a list of after-hours emergency contacts.
- All keys shall be labeled with weather resistant labeling.
- Include the key to the fire alarm panel, the fire alarm annunciator key, manual pull station key, etc., in the Knox Box. The manual pull station key and a key to the document box, along with keys to unlock chains and padlocks on sprinkler system control valves should be placed in the KnoxBox. All keys shall be labeled.
- The Knoxbox shall be located at or within 20 feet of the main address entry.
- The Knoxbox shall be installed 4ft. to 6ft. above ground level.
- The Knoxbox shall not be visibly or physically blocked by merchandise, plantings, or structures.
- When you are ready to secure the marked keys within the Knox Box, contact the Community Risk Reduction Division at 316-268-4441 and they will have your nearest fire station contact you to make arrangements to come out and lock up your Knox Box.



# Wichita Fire Department-

## ***KNOXBOX'S REQUIRED—ELEVATOR***

### **ELEVATOR KNOXBOX**

-The Wichita Fire Department requires the installation of a Knox Box elevator key box in occupancies with new or existing elevators. This gives fire personnel access to keys in the Knox Box so that they can gain entry to and/or utilize the elevator for life saving or firefighting purposes.



-The Elevator Knox Box shall be located on the same floor of the main access point to the building, typically the ground floor. If there are multiple banks (locations) of elevators within the building, then an elevator Knox box may be required for each set of elevators.

-The elevator Knox box should be located to the right of the elevator door way, approximately 5'6" above floor level. If unable to install on the right side of the elevator some variances on location of the can be addressed by our Community Risk Reduction Officers. Please do not place any merchandise, plantings, or fixtures that may block access to the Knox Box.

- The Knox Box should be of the size and type that will accommodate the required elevator door drop key (also known as the hoist way door emergency drop key), a key to the elevator machine room door, as well as a minimum of three emergency override keys (also known as fire service keys). The number of override keys required may be specified by the Fire Department. Additionally, include elevator access cards if they are being utilized. All items should be labeled.

-When you are ready to secure the marked keys within the elevator Knox Box, contact the Community Risk Reduction Division at 316-268-4441 and they will have your nearest fire station contact you to make arrangements to come out and lock up your Knox Box.





# MABCD Advisory Boards - Calendar

- [Board of Building Code Standards and Appeals \(BCSA\)](#)
- [Board of Electrical Appeals \(BEA\)](#)
- [Board of Appeals of Refrigeration, Air Conditioning, Warm Air Heating, and Boiler](#)
- [Board of Appeals of Plumbers and Gas Fitters](#)

## June 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 <i>MABCD Mechanical Board Meeting</i>	3	4
5	6 <i>MABCD BCS&amp;A Board Meeting</i>	7	8	9	10	11
12	13	14 <i>MABCD Electrical Board Meeting</i>	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29 <i>MABCD Plumbing Board Meeting</i>	30		

## Director's Desk-



**[Chris W. Labrum](#)**

*Director*

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