



# MABCD CONSTRUCTION INDUSTRY NEWSLETTER

Issue 1 – June 2021

Chris Nordick - Editor

Get all of your latest MABCD news each month right here with the MABCD newsletter

## Administration-

We are open to customers by appointment only. To schedule, please use our online scheduling tool: <https://mabcd.timetap.com/#/> or call 316-660-1840 for assistance.

To obtain new permits, schedule inspections, or pay permit fees, please use the MABCD Portal - <https://mabcdportal.sedgwickcounty.org>.

To schedule inspections via the voice system/TELUS, please call 316-660-9550.

Email MABCD - [MABCD@sedgwick.gov](mailto:MABCD@sedgwick.gov). (Please—no inspection requests or cancellations by email. You must use the MABCD portal or the TELUS system for scheduling.)

Due to the high volume of permit applications submitted through the MABCD portal, by email, and in-person appointments, expect a minimum of one to three business days for processing building permits, and two business days for all other permits. Please keep in mind that the processing time is contingent upon correct and complete application submittal.

Permit applications requiring additional documentation or corrections will take longer to process. Thank you for your patience!

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### Special points of interest

- New online appointment scheduling.
- Permit volume.
- Trades certification renewals .
- New code adoption.
- Code updates .



Trades Certification Renewals Start September 1, 2021. Get all of your required CEU's by visiting our website at the link below. Each of the three trades, electrical, mechanical, and plumbing have their own classes listed under their specific section.

<https://scks.sedgwickcounty.org/mabcd/Lists/Continuing%20Education/All.aspx>

## Building Division-

Stay tuned for next month's issue.

<i>June 2021</i>						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
<i>6</i>	<i>7</i> <sub>MABCD</sub> <i>BCS&amp;A Board Meeting</i>	<i>8</i> <sub>MABCD</sub> <i>Electrical Board Meeting</i>	<i>9</i>	<i>10</i> <sub>MABCD</sub> <i>Mechanical Board Meeting</i>	<i>11</i>	<i>12</i>
<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>	<i>17</i>	<i>18</i>	<i>19</i>
<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>
<i>27</i>	<i>28</i>	<i>29</i>	<i>30</i> <sub>MABCD</sub> <i>Plumbing Board Meeting</i>			

## Electrical/Elevator/Alarm Division-

Please visit our website for more information

[Electrical, Elevator, & Alarm Division](#)

### **2020 National Electrical Code Adopted-**

The Sedgwick County Board of County Commissioners on December 2, 2020 and the Wichita City Council on December 15, 2020, adopted the 2020 NEC (National Electrical Code) with amendments. The enforcement date for the 2020 NEC was January 1, 2021. Any permit issued starting January 1, 2021 will have to comply with the 2020 NEC. Any permit issued prior to January 1 will continue per the requirements of the 2017 NEC.

There are several significant changes to the 2020 NEC, that you will need to be aware of and we will discuss these over the next several months

Residential new homes and service changes require a main service disconnecting means outside for first responders. This disconnecting means must have overcurrent protection, can be a combo meter/main or individual enclosures. This rule also applies to feeders, and branch circuits feeding separate structures.

Each building/structure shall have either one lateral, one feeder, or one branch circuit to the structure, regardless of where your main disconnecting means is located. Every structure shall have a disconnecting means located outside on the structure that it serves.

When the service entrance conductors are changed, a full service change/upgrade is required. This may include the feeders, sub-panels, range, dryer and grounding.

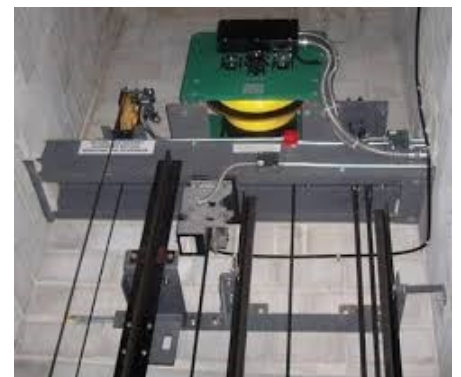
Next month we will discuss other significant changes and topics so tune in.

### **Elevator Contractors-**

MABCD will be presenting the 2019 ASME A17.1 Safety Code for Elevators and Escalators with amendments to the Board of County Commissioners on June 16, 2021. Our intended enforcement date will be October 1, 2021.

Stay tuned for significant changes to our elevator code after adoption.

Please submit topics you would like to see in future newsletters to: [chris.nordick@sedgwick.gov](mailto:chris.nordick@sedgwick.gov)





## Mechanical (HVAC) Division-

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

Please welcome James (Buck) Swaim to the mechanical division. Buck has transferred over as a County Employee from Public Works and has over 30 years of HVAC experience in the industry.

The Mechanical board approved a closed book exam for residential new home construction. This will replace the test previously administered through WSU. Please contact the Mechanical Chief Stoney Nethercot for detailed information.

[stoney.nethercot@sedgwick.gov](mailto:stoney.nethercot@sedgwick.gov)  
or 316-660-1829

### Code Facts:

Per local amendment the Overall Maximum length for a residential dryer vent is 45 feet. \*You must deduct 5 feet for each 90 degree elbow and 2 ½ feet for each 45 degree elbow.

### UBTC - Article 5.4.100 (Specified Length).

The maximum length of the exhaust duct shall be 45 feet (10 668 mm) from the connection to the transition duct from the dryer to the outlet terminal. Where fittings are used, the maximum length of the exhaust duct shall be reduced in accordance with Table 504.6.4.1

**TABLE 504.6.4.1**

Dryer Exhaust Duct Fitting Type Equivalent Length.

4" radius mitered 45 degree elbow 2 feet 6 inches  
4" radius mitered 90 degree elbow 5 feet



## Plumbing Division-

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

This month we will address two issues of great importance.

Water service replacements are a hot item of discussion within our division. It is the responsibility of plumbers and inspectors alike to protect the community from the hazards of an ungrounded electrical system, during water service replacement, installation, and inspection.

This is a life safety issue!

If the old metallic piping remains in place, it may continue to serve as the grounding electrode so long as continuity is preserved. The metal piping used as the grounding electrode must extend at least 10 feet in the earth, maintain the original electrical connection, and not be affected by the installation of the plastic piping system.



Section 604.10 of the 2015 Uniform Plumbing Code states

“Approved plastic materials shall be permitted to be used in buildings, provided that where metal building supply piping is used for electrical grounding purposes, replacement therefore shall be of like materials.

EXCEPTION: Where a grounding system acceptable to the Authority Having Jurisdiction is installed, inspected and approved, metallic pipe shall be permitted to be replaced with nonmetallic pipe.”

As a result, of new EPA regulations regarding the utilities responsibility to verify the safety of piping materials used in the water supply system, we must document the materials used on all water service repairs. Please include the materials used on all water service repair and replacement permit applications and inspection requests. It is also very helpful to note the electrical ground location on all inspection requests.

A few words on plumbing underground rough inspections.

Plumbing ground rough in inspections are subject to the following codes found in the 2015 Uniform Plumbing Code and Article 3 of the Unified Building & Trade Code (UBTC).

<https://www.sedgwickcounty.org/mabcd/codes-resolutions-ordinances/>

Section 105.2.3, Section 312.2, Section 313.5, Section 314.3, Section 318.0 as amended by local ordinance, Section 708.1, Section 712.1 as amended by local ordinance, Section 712.2, Section 712.3.

Summary;

If the plumbing ground rough is in a basement a ladder must be provided. All ground rough piping must be on a firm bed for its entire length at the time of the inspection. Propping on intermittent dirt clods or sand piles will not be accepted. Spot backfill may be allowed to maintain a safe work environment and protect the piping from floating in case of rainfall but must not entirely covered prior to inspection. MABCD inspectors are required to verify that every horizontal drainage pipe has ¼ inch per foot slope with a calibrated spirit level. MABCD will provide the spirit level. DWV testing may be by an air or water test. Horizontal DWV piping must not be elevated out of the sand into the concrete floor slab. A deficiency in any of these items will result in a failed inspection.

Please submit topics you would like to see in future newsletters to [Jason.Little@Sedgwick.gov](mailto:Jason.Little@Sedgwick.gov) The Appeals Board for Plumbers and Gas Fitters code review committee is working on the 2021 Uniform Plumbing Code with the goal of adoption around January 1, 2022.

Next month we will discuss other topics so tune in.



**Chris W. Labrum**

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## MABCD Strategic Goals

The MABCD strategic goals are in alignment with the Sedgwick County strategic priorities.

- Ensure all community buildings and homes are soundly constructed according to national code standards to provide safety and health for occupants.
- Accomplish Sedgwick County priority 1 – Ensuring highest priority use of resources is dedicated to create safe and secure communities.
- Accomplish Sedgwick County priority 4 – Providing quality public services to the community while being good stewards of revenue and funds.

