

Item D-1

International Code Council Cyclical Update: 2021



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- International **Building** Code (IBC)
- International **Residential** Code (IRC)
- International **Plumbing** Code (IPC)
- International **Mechanical** Code (IMC)
- 2020 National **Electrical** Code (NEC)
- International **Energy** Conservation Code (IECC)
- International **Existing Building** Code (IEBC)
- International **Swimming Pool** and Spa Code (ISPSC)
- International **Fire** Code (IFC)
- International **Fuel Gas** Code (IFGC)
- International **Property Maintenance** Code (IPMC)

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Three Key Changes – Building Code



- Added requirements for a Puzzle Room business (i.e. Red Door Escape Room).
- Increased size of wheelchair spaces to 30" x 52" (not retroactive).
- Door widths are no longer limited to 48 inches.

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Three Key Changes – Energy Code



- Added energy compliance paths applied through energy-specific software calculations.
- Increased energy requirements from R-38 to R-48 for insulation and fenestration.
- High – efficiency lighting (LED) is now required in permanent lighting fixtures.

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Three Key Changes – Fire Code

- Fire areas containing manufacturing occupancies specifically used for the manufacturing of **distilled spirits** or storage occupancies used for the storage of distilled spirits or wine are required to be equipped with an automatic sprinkler system.

This change would only affect Two Brothers Winery if they remodel the existing space or add any square footage to the fire area. Any new business with this proposed use would be required to provide sprinkler protection prior to occupancy. Shannon Brewery is already sprinklered.



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Key Fire Code Changes

- **Carbon monoxide detection** will be required in existing institutional (i.e. hospitals, jails, etc.), residential (i.e. assisted living facilities), and educational occupancies (i.e. classrooms).

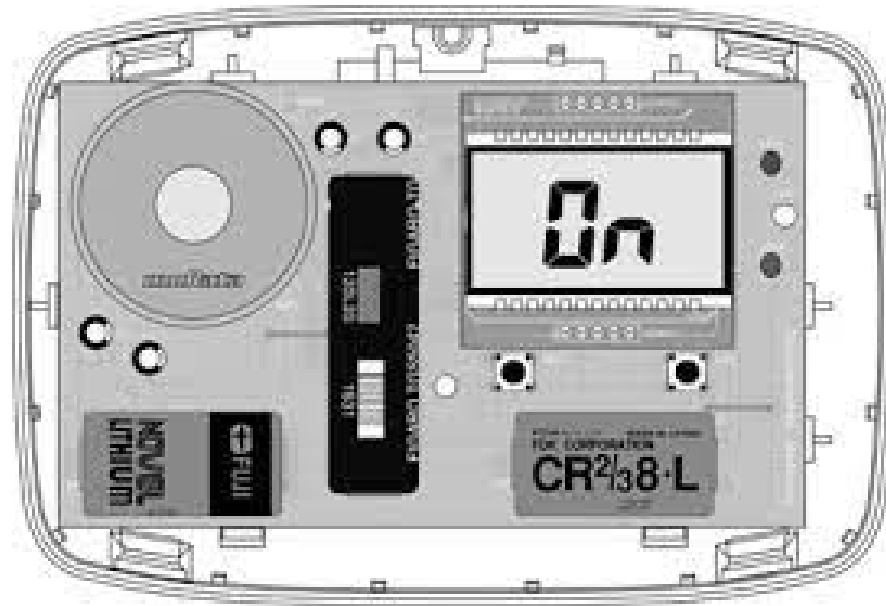
The largest Keller stakeholder will be KISD campuses (Keller HS, KCAL, Keller MS, Indian Springs MS) with fuel-fired equipment. Fire Marshal Crafton has spoken with Kyle Campbell, Safety and Security Systems Analyst for the District, and explained the code change requirement.

Keller nursing homes may also be impacted. These occupancy classifications are highly regulated by the State of Texas and may already have carbon monoxide detection devices. We will confirm this as we do our annual inspections.

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Carbon Monoxide Detection Compliance Timeline

The detection devices can be battery operated, which significantly reduces the cost. To allow businesses and institutions proper budget planning, Fire is proposing a 12-month grace period to install the devices from the date the Code is adopted.



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Key Fire Code Changes

Add existing Ordinance #1807 (**Outdoor Burning**) as an amendment to the Fire Code with the following changes:

- Per State Law, will remove the FD inspection and permitting requirements for SF residential properties.
- For residential fire pits, add an online self-inspection and safety survey process.





Questions?

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