



2024 INTERNATIONAL BUILDING AND FIRE CODES ADOPTION

OR-25-016

December 2, 2025

Code Adoption History (3-Year Cycle)

2

<u>Code Set</u>	<u>Effective Date</u>	<u>Years Enforced</u>
1988 SBC / 1990 NEC	May 1990	12 years
2000 IBC / 1999 NEC	May 2002	4 years
2003 IBC / 2005 NEC	Feb 2006	3 years
2006 IBC / 2009 NEC	Feb 2009	3 years
2009 IBC / 2008 NEC	Feb 2011	5 years
2012 IBC / 2011 NEC	(Tabled)	
2015 IBC / 2014 NEC	Jan 2016	3 years
2018 IBC / 2017 NEC	Jan 2019	3 years
2021 IBC / 2020 NEC	Mar 2022	3 years
2024 IBC / 2023 NEC	Jan ,01 2026 (Target Date)	

Area Code Adoptions

3

□ Currently:

- Harker Heights is on the 2024 Codes and 2023 NEC
- Hutto is on the 2024 Codes and the 2023 NEC
- Cedar Park is on the 2021 Codes and the 2020 NEC
- Killeen is on the 2021 Codes and the 2020 NEC
- Georgetown is on the 2021 Codes and 2023 NEC
- Leander is on the 2021 Codes and the 2023 NEC
- Waco is on 2018 Codes and 2023 NEC
- Temple is on the 2015 Codes and 2017 NEC

Area Code Adoptions

4

- Future Code Adoptions:

- Marble Falls plans to adopt the 2024 Code this year
- Copperas Cove is in the process of reviewing to adopt the 2024 Code

Benefits of Adopting New Codes

4

- Provide up to date, **highest quality codes**, standards and products in which to construct.
- Improve the health, safety, and general welfare of our citizens by creating **safer buildings**.
- Improve the standards for **energy-efficient buildings**.
- Maintain and/or improve our **ISO** (Insurance Services Office) Rating.

ISO Building Code Effectiveness Grading Schedule

The City of Killeen's past ISO Building Code Effectiveness scores:

Year	Residential	Commercial
2008	5	5
2014	5	4
2018	4	4
2022	4	4

- Grading scores are between 1 and 10, with 1 being the best and 10 being the worst.
- The state average score in 2019 was 6 and 6.
- This audit occurs every 4 to 6 years.

Joint Public Hearing with Construction Board, Local Builders and Citizens

6



A Public Hearing on the proposed changes was held on October 16, 2025, and had approximately 22 attendees.

Joint Public Hearing with Construction Board, Local Builders and Citizens

6



Staff presented over 40 significant code changes affecting construction in Killeen.

Summary of Significant Residential Building Code Changes

9

- R310.0 = **Smoke alarms** in sleeping lofts.
- R310.3.1 = **Prohibited smoke alarm** installation near cooking appliances.
- R315 = **Sleeping loft** construction.
- R317 = **Garages** – Electric Vehicle (EV) charging station requirements.
- R329 = **Solar Energy Systems** – Building-Integrated Photovoltaics (BIPV) systems should be marked from below to identify hazardous areas for emergency responders.

Estimated Cost of Compliance for New Home Construction

10

2021 IRC vs. 2024 IRC:

- City of Harker Heights reports that moving to the 2024 is a cost savings.
- Home Innovation Research Labs report (July 2024) reports that costs saving are estimated to be as low as \$13 to high of \$2,154.

Summary of Significant Commercial Building Code Changes

11

- 717.2.4 = **Mechanical, Electrical, Plumbing (MEP)** controls shall not be installed in air duct systems.
- 718.2.1 = **Concealed Spaces** – New fire blocking materials allowed.
- 907.2.11.3 = **Residential Smoke Alarms** – Installation near permanent cooking appliances shall not be less than 10 ft apart.
- 915.1.1 = **Carbon Monoxide (CO)** – Required in buildings with a CO source.
- 1014.3 = **Handrails** – Lateral location along walking surfaces shall be within a 6-inch reach.
- 1208.3 = **Interior Space Dimensions** – Dwelling unit size clarifications for habitable spaces.

Summary of Significant National Electrical Code Changes

12

- 210.8(A) = **Dwelling Units - GFCI protection** is required for all 125-volt through 250-volt receptacles installed in the locations specified. New Item (7) added that require areas with sinks and permanent provisions for food preparation, beverage preparation or cooking to have GFCI protection.
- 210.8(D) = **Specific Appliances- GFCI protection** shall be provided for the branch circuit or outlet supplying the 12 listed specific appliances rated 150 volts or less to ground and 60 amperes or less, single – or 3-phase. Including electric ranges, wall-mounted ovens, counter-mounted cooking units, clothes dryers, and microwaves.
- 210.18 = **Branch circuits not over 1000 volts** – Branch circuits recognized by this article shall be rated in accordance with the maximum permitted ampere taking or setting of the over current device. The rating for other than individual branch circuits shall be **10 (New)**, 15,20,30,40 and 50 amperes.

Summary of Local Amendments to Chapter 8 – Building & Construction Regulations

13

- Minor text amendments necessary to adopt the new construction codes.
- Sec. 8-29 = **Interactive Voice Response (IVR)** - Added the option for contractors to use the new live video recorded inspection in lieu of waiting for next day field inspections.
- Sec. 8-36 through 39 = **Construction Board of Appeals (CBOA)** is being modified to create a universal Board of Adjustment (BOA).
- Sec. 8-61 = **Contractor Liability Insurance** – established a \$100,000.00 minimum contractor liability insurance will be required upon contractor's annual registration to improve contractor responsibility.

Summary of Local Amendments to Chapter 11 – Fire Prevention & Protection

17

Automatic Fire Sprinkler Systems:

- ❑ Require new buildings or structures greater than 12,000 square feet to install an automatic fire sprinkler system.

Recommendation

The Killeen Construction Board of Appeals and the Building Inspections staff both recommend the adoption of the new construction codes with changes to Chapter 8 as presented, and the Fire Marshal's office recommends adoption of the new Fire Code as amended in Chapter 11:

- ❑ New 2024 International Construction Codes
- ❑ New 2023 National Electric Code
- ❑ New 2024 International Fire Code
- ❑ Local amendments to Chapters 8 and 11