

JANUARY 2020

BUILDING

Below is some information from the 2015 International Building Code (IBC) regarding temperature:

To maintain a minimum level of heat in a building, the IBC requires that any interior space intended for human occupancy be provided with a space-heating system. The system is permitted to be either an active or passive system to address new technologies in heating. The system must be capable of maintaining a minimum indoor temperature of 68° F at a point 3 feet above the floor on the design heating day. The *design heating day* is the outdoor temperature used to design the heating system. The winter design temperature in Omaha, NE is -5° F.

Location	Winter design temperature (degrees F)
Minneapolis, MN	-12
Chicago, IL (O'Hare)	-4
Buffalo, NY	6
Kansas City, MO	6
Dallas, TX	22
San Diego, CA	44

The code does not require that the heating system operate constantly. It only mandates that a system be provided that is capable of maintaining the minimum required temperature. It also does not require air conditioning within a building. [Ref 1204]

BUILDING NEWSLETTERS

All building department newsletters can be found on the City of Fremont's website, www.fremontne.gov. Under the Business tab, click on *Building Department Newsletters* under the Building Permits and Inspections heading. If anyone would like to receive an emailed copy of the newsletter each month, please notify the Building Department with an email address.



*****DO NOT FORGET TO CALL FOR FINAL INSPECTIONS.*****

MECHANICAL

Section 312.1

Is it the codes intent to consider the roof as an approved disposal site? No; condensate piping now needs to be piped to a roof drain, plumbing fixture, and/or an area capable of containing and absorbing whatever flow rate may occur.

PLUMBING

Section 1306.1

It is required that anyone either installing or verifying a medical gas or vacuum system show evidence of competency, such as a certification issued by a recognized agency acceptable to the Authority Having Jurisdiction.

Plumbers and installers or technicians must be certified to the requirements of ANSI/ASSE 6010. There will not be a 1 to 3 ratio of journeyman to apprentices. With that being said, to install any gas system in our jurisdiction you will require a journeyman plumber's registration with the City of Fremont and a 6010 installers license. The City will perform the pressure test. The contractor will have the system verified. This is for level one-two-three systems.

Section 813.1

Piping carrying wastewater from swimming or wading pools shall be installed as an indirect waste.

ELECTRICAL

This is being reprinted as a reminder from the August 2019 newsletter:

Per City Ordinance 9-1202, Section D: No person shall engage in the electrical, mechanical, steam-fitting, pipefitting, or plumbing business, erection, installation, construction, alteration, relocation, replacement, repair, maintenance, removal or demolition of any electrical, mechanical, or plumbing system, in whole or in part, as may be regulated by this code and for which a permit is required, within the City and its 2 mile extraterritorial jurisdiction except under the personal supervision and direction and in the presence of a duly registration tradesman carrying a valid, unexpired and unrevoked Master Registration or Journeyman Registration, for the respective trade. On-site supervision of an Apprentice Registration to Journeyman Registration should follow a 3:1 ratio.

Also, per State Ordinance 81-2113. Apprentice electrician; registration; supervision; renewal; continuing education.

(CONTINUED NEXT PAGE)



*****DO NOT FORGET TO CALL FOR FINAL INSPECTIONS.*****

(2) An apprentice electrician shall do no electrical wiring except under the direct personal on-the-job supervision and control and in the immediate presence of a licensee under the State Electrical Act. ... The licensee may employ or supervise apprentice electricians at a ratio not to exceed three apprentice electricians to one licensee.

Failing to follow the on-site supervision ratio can result in legal action and fees.



*****DO NOT FORGET TO CALL FOR FINAL INSPECTIONS.*****