

MECHANICAL CODE DISCUSSION

2018 I-Code Adoption



BRENT URSEBACH

BRENT URSEBACH

HVAC EDUCATOR/
EXPERT WITNESS

bursenbach@gmail.com
801-381-1449

EARLY THIS YEAR, the Utah Legislature passed House Bill 218, amending the Construction Codes Act. If you attend the RMGA Education Summit earlier this year, you know effective July 1, the following Codes apply for all permits applied for by that date.

Adopted 2018 I-Codes:

- International Building Code (IBC)
- International Plumbing Code (IPC)
- International Mechanical Code (IMC)
- International Fuel Gas Code (IFGC)
- International Energy Conservation Code (IECC) – Commercial ONLY
- International Existing Building Code (IEBC)
- Numerous Amendments, Including Mechanical and Fuel Gas

No Action:

- 2015 International Residential Code
- 2015 International Energy Conservation Code IECC – Residential Provisions

Last issue discussed the amendment allowing existing multi-story common vents, if specific requirements are met. This discussion covers several significant changes in the 2018 IMC and IFGC. *Please note, the 2018 IRC and residential 2018 IECC requirements were not adopted.*

IMC 504.8.2 – Dryer Ducts

“Where dryer exhaust ducts are

enclosed in wall or ceiling cavities, such cavities shall allow the installation of the duct without deformation.”

A 4” round pipe cannot fit in a 3-1/2” wall without deforming the duct. A dryer box manufactured to fit in 2X4 wall is not longer code compliant in building where the IMC apply. This



applies only to new dryer vents installed multi-family buildings or other commercial buildings. The 2018 IRC was not adopted, so this does not apply to single and two-family dwellings, including townhouses.

IMC 603.8 Underground Ducts

“Ducts shall be sealed, secured and tested prior to concrete encasement or direct burial. Ducts shall be leak tested as required by Section C403 of the International Energy Conservation Code.”



Similar to ducts in attics, ducts under-slab also requires duct-blast testing. Again, this applies to only to IMC buildings.

IMC 1107.2 Refrigerant Piping Location

“Refrigerant piping shall not be placed in any of the following:

1. A fire-resistance-rated exit access corridor.
2. An interior exit stairway.
3. An interior exit ramp.
4. An exit passageway.
5. An elevator, dumbwaiter or other shaft containing a moving object.
6. A shaft that has one or more openings into a fire-resistance-rated exit access corridor, interior exit stairway or ramp or exit passageway.”

You might be familiar with some of these requirements, as similar text occurs in the current and past editions of the IBC (International Building Code). The purpose of this restriction is to insure, in the event of a fire or other

event requiring immediate egress out of a building, the path of emergency exiting is not contaminated with a large





Could You Afford a Permanent Vacation?

Business owners and employees alike love to take vacations. While time away is normally a great thing, at a certain point you may start thinking about all the things you need to get back to at work. Take a moment and imagine the following situation: What would happen if you were forced to take a permanent vacation? While this may sound appealing at first, the inability to go to work each day and earn a living can put the future of your business and family in jeopardy. In reality, this is exactly what happens when a disability strikes.

While it's easy to understand that your income stops during a disability, many people don't realize that certain expenses, like medical care and travel, often increase. Clearly, a long-term disability can have far-reaching implications. Consider these facts:

- 46.3 percent of Americans cannot cover a \$400 emergency¹.
- 68 percent would find it very or somewhat difficult to meet their current financial obligations if their next paycheck was delayed for one week².

It is not just the short-term impact of

losing your next paycheck that's the problem. One in eight American workers will be disabled for five years or more during their working careers³. Often, people think workers compensation will cover this loss. But the reality is it only helps cover employees' economic losses due to job-related situations. Keep in mind that approximately 90 percent of disabilities are caused by illness, rather than

necessity, just like the other coverages you have to protect your assets. Disability insurance can provide an income stream to help pay your bills in the event a sickness or injury prevents you from working.

Protect your greatest financial asset: your ability to work and earn a living. Talk to your Federated Marketing representative about how Federated's Income Shield® can help protect you

*Potential Earnings to Age 67
(with 3% annual salary increase)*

Your Age	Your Annual Income		
	\$45,000	\$75,000	\$100,000
30	\$2,970,000	\$4,960,000	\$6,610,000
35	\$2,360,000	\$3,930,000	\$5,250,000
40	\$1,830,000	\$3,050,000	\$4,070,000
45	\$1,370,000	\$2,290,000	\$3,050,000

accidents⁴. Consider what the total cost of losing your income over a lifetime could look like:

Think about the value of your home or auto in comparison to the potential value of your lifetime income. While we don't think twice about protecting these assets against loss, most people don't consider protecting their ability to earn an income. Owning a disability income insurance policy should not be an afterthought. It should be treated as a

and your family from the catastrophic effects of a disability.

¹ U.S. Federal Reserve, Report on the Economic Well-Being of U.S. Households in 2015.

² Council for Disability Awareness, www.disabilitycanhappen.org; "Disability Statistics" July 2013.

³ Ibid.

⁴ CDA 2013 Long Term Disability Claims Review.

Source of article:
<https://www.federatedinsurance.com>



volume of refrigerant. Please understand this does not apply to all hallways or corridors, only those listed above, as defined in the IBC.

Please let me know if you have further questions on these or other code requirements.

—Thanks, Brent ■

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