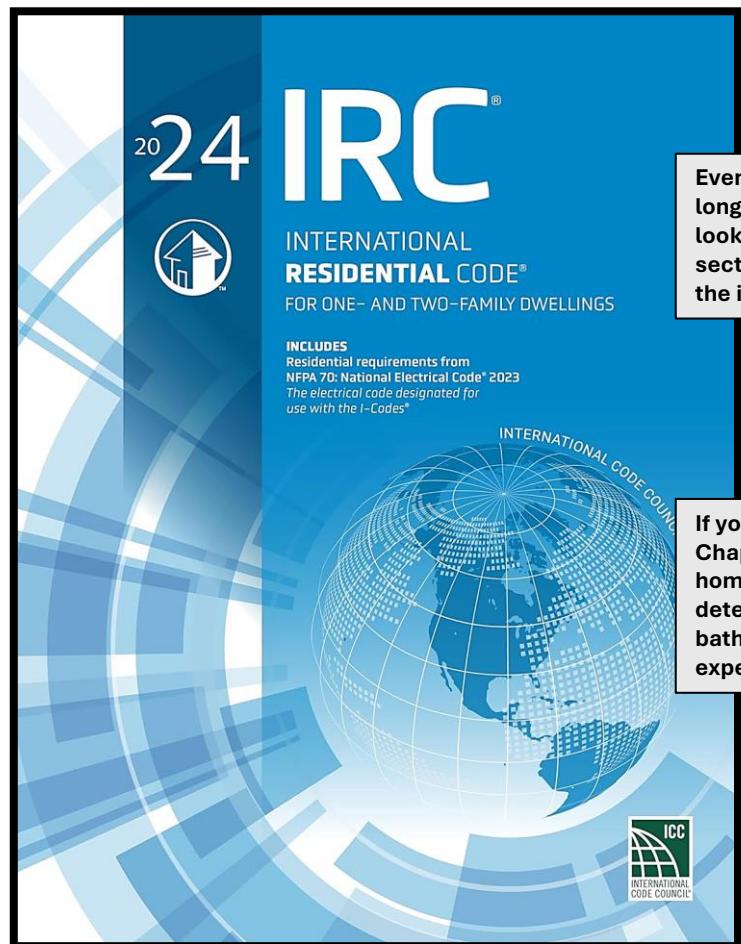




HOMES BUILT RIGHT

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Significant Changes – 2024 IRC

Every 3 years we get a new set of codes to build by. And every 3 years there is a long list of changes within the new code. In our review of the 2024 IRC we will look at the reformatting of Chapter 3, the crazy changes in the electrical section, and much more. This 2-hour class will get you up to date and ready for the inevitable upgrade to the latest code.

What's to See in Chapter 3

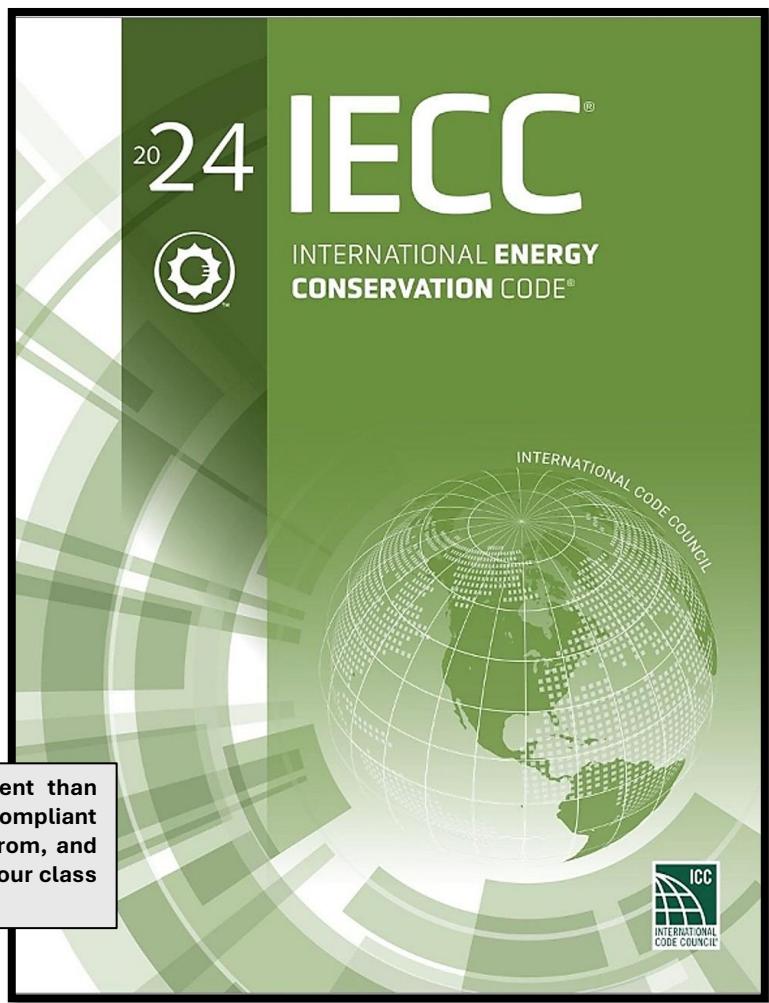
If you are going to fail a final inspection it will probably involve something from Chapter 3 of the IRC. This 2-hour class dives into the most common aspects of home building. We will brush up on topics like site addresses, smoke detectors, rules for garages, stairways, guards, railings, safety glass, bathrooms, and more. This class is a must for builders both new and experienced.

Codes

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2024 Energy Code

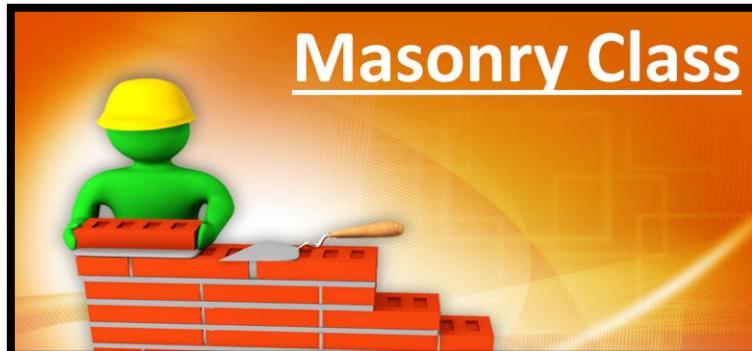
The 2024 International Energy Conservation Code is totally different than energy codes from the past. This class looks at how to build a code compliant energy efficient home, the compliance paths that you can choose from, and the laws of Texas that apply to energy efficient construction. This 3-hour class will bring to light what it takes to build it right in the 21st century.





Roofing

This detailed roofing class looks at how a proper roof deck is installed. We then look at how shingles are installed to last for decades. We wrap up the class looking at tile and metal roofs



Stone and brick add a certain kind of elegance and quality to a home. However, if the masonry work is not installed properly it could turn into a disaster. We will look at both of these products and we will focus on best practices to ensure you get a quality job.

Electrical Class



Rules! Rules! Rules! Electrical work has many rules that must be applied correctly to pass numerous electrical inspections when building or remodeling a house. In this class will dive into the National Electric Code and we will come to understand where all the rules come from. Furthermore, you will be able to confidently look at the work and determine if things are right or wrong.

Plumbing Class



Plumbing ground, Topout, and Trim – these are the 3 stages of plumbing we will look at in this class. We know that water comes into the house and we must get it safely out of the house. We will look at this plus much more. Do you really understand what you are looking at when the plumber does his job? After this class you will have the confidence to discuss the work with your plumber.

The Last 3%



The Buyer Walk

The toughest thing to do is finish a house with close to zero defects. For months we have managed the work but now we zero in on all the little details. Exterior, interior, attic, garage, surveys, and all that paperwork - we will discuss them all. Then, just as we think we have finished we do a buyer orientation walk. How do we do an efficient and effective buyer walk? How long should this take? What do I tell them? By the end of this class you will be equipped to handle this vital meeting as you hand off your finished product to your very happy homeowners.

HVAC Class



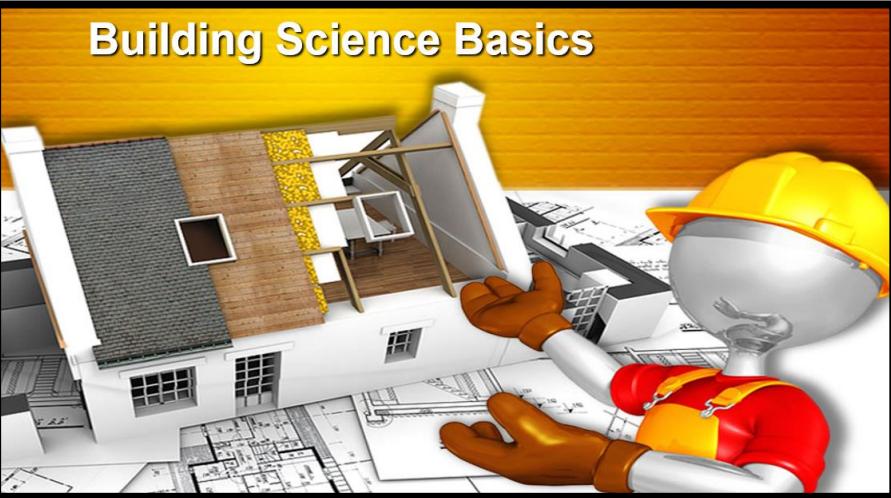
Gone are the days of sizing and installing an A/C system based on outdated rules of thumb. The energy code sets out many guidelines for a good HVAC system. Join us for this class as we look at Manuals J, S, and D and what part they play in our system. We will see good duct installations (and some not so good). We will discuss the many options in equipment that modern homes have. Good indoor air quality and comfort are the #1 aspects to ensure every house has. Don't miss this class – your energy efficient homes are counting on you.



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Building Science Basics



Building stronger, tighter, more energy efficient homes has introduced us to the world of Building Science. This class focuses on how and why we must manage air, heat, and moisture in order to eliminate costly warranty calls on down the road. Why do modern homes create so much water in places we never thought of before? We will discuss this in detail. We will look at modern building techniques and what happens when things go bad – sometimes really bad! Building science issues account for almost 50% of warranty costs during our hot / humid summers. This class will give you the tools to diagnose and treat symptoms of a sick house. This BS is stuff you really need to know.

Plan Reading



Plot plans, floor plans, elevations, foundation plans, framing plans, details, notes..... Holy cow! There is so much I need to know. Relax! During this class we will review all the major types of plans you will interact with as you build a new home. Being able to understand how all these elements come together for us to use to create a quality product is vital in our industry. Plan Reading – it seems so simple but there are secrets waiting to be unlocked in this class. Join us!

"Envelope" is more than just cornice work



Windows, doors, house wrap, T-Ply, insulation board, flashings, siding, soffit, fascia, and more are covered in this class about buttoning up the outside of the house once the frame is complete. Whatever materials your company uses – we will probably look at them in this class. Air tight and water tight – this will be our theme so we come to understand the importance of this barrier between the outside and the inside of the home. The Envelope, learn the importance of sealing it up.

After we create a firm foundation it's time to frame. We will discuss everything from the bottom plate to the ridge board and everything in between. Walls, studs, window openings, doors, floor systems, ceilings, joists, roofs, rafters, trusses, and all the details associated with framing a house. Don't let punching out a frame intimidate you. Join us and come to know the parts and pieces of a frame and what makes a good frame good.

Framing

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**Job Safety and Health
IT'S THE LAW!**

All workers have the right to:

- A safe workplace.
- Raise a safety or health concern with your employer or OSHA, or report a work-related injury or illness, without being retaliated against.
- Receive information and training on job hazards, including all hazardous substances in your workplace.
- Request a confidential OSHA inspection of your workplace if you believe there are unsafe or unhealthy conditions. You have the right to have a representative contact OSHA on your behalf.
- Participate (or have your representative participate) in an OSHA inspection and speak in private to the inspector.
- File a complaint with OSHA within 30 days (by phone, online or by mail) if you have been retaliated against for using your rights.
- See any OSHA citations issued to your employer.
- Request copies of your medical records, tests that measure hazards in the workplace, and the workplace injury and illness log.

This poster is available free from OSHA.

Contact OSHA. We can help.

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Jobsite Safety might be something you don't think about very often. Well, maybe you should. We work in a very dangerous industry. It is up to each of us to understand what our role is in jobsite safety. We will review the requirements for employers, for employees, for independent contractors and more. We will look at the most common safety violations on a jobsite and how to prevent them. What does OSHA require of us? We will cover that. In the blink of an eye – lives can change on a jobsite. This class should be at the top of your list in 2025.

Concrete



It all starts here. Creating a solid foundation is essential in good home building. What is concrete? How is it made? What is good concrete and what is bad? How is it placed and finished? There are many aspects to quality concrete. Join us as we look at foundations and flatwork and the importance of getting a quality concrete job.