



Important tips for meeting minimum required 2015 codes with state required IECC:

- Address displayed at road when work starts and permanent address at road at final
- Ensure windows meet code for egress size and glazing; Bedroom windows have height, size and safety requirements depending on location to walking surface and exterior grade.
- Insulation: walls R13; ceilings and attics R38 where full height uncompressed R38 covers top plate; floor R19; fenestration U-factor 0.35 or less
- Footings: continuous steel in corners; Double steel where rock meets dirt; No steel touching dirt; No loose dirt in footings; Clean out rocks, grass, debris from crawl area
- Passive radon system in all foundations/slabs
- Sleeve over waste line and all other penetrations in foundation walls
- Garage stem walls must have reinforcement steel
- Flash/tape bottom of framed window openings and 6" up sides and bottom of door frames before setting/hanging. Put house wrap inside top channel of window frame – flyer example available
- Roof plumbing vent boots installed prior to rough-in plumbing inspections
- Bathroom exhaust fan ducts-use flexible metal-no white unrated ducts permitted- installed prior to rough-in mechanical or plumbing
- Drip edge at all eaves, rakes and gables
- Safety glazing within 60" of shower, tub, sauna
- Freestanding ranges install anti-tip bracket
- Insulate hot water supply lines- R3
- Kick-out flashing where eave of roof intersects a wall
- Pressure reducing valves must have a union on one side
- Metal roofs must have screws on both sides at eaves, ridge and end laps (see illustration above)
- 36" deep landing at exterior doors with 3 or more risers
- Safety glazing required in windows on hinge side of ark of door both perpendicular and adjacent
- Air testing of waste lines not permitted- use standpipe test 4' above highest wall joint
- All outdoor decks require an outlet; Outlets required at front and back of home
- Foyers over 60sqft in size require an outlet
- All top and bottom through plate penetration must be sealed at time of rough-in inspection, exterior wall outlets must have the area behind the outlet insulated at time of rough-in inspection
- Vertical and horizontal cavities must be separated with firestop blocking
- Insulation inspection: Caulk/Seal all window & exterior door openings, framing joints inside around perimeter at headers, T's, base-plate and corners.
- Install metal plates to protect plumbing running in the walls
- Unfaced insulation & a moisture barrier installed at exterior wall tubs and showers during framing
- Vertical attic access – must be insulated or meet fenestration values, weather-stripped
- Horizontal attic access -weatherstripping and R-value equivalent to surrounding space
- Door between garage and dwelling must be solid and meet code rating and must be self closing
- HVAC ducts must be sealed at joints, seams and connections and pressure tested either at rough-in or post-construction- written report from 3rd party tester signed and given to building official
- Permanent energy certificate/label affixed to inside of supply panel stating R-values of insulation in walls, ceiling, slab, crawl, floor, ducts, etc- self-adhesive energy labels available at office.
- Each hallway outside of the bedroom(s) must have smoke detector (if zoned/ split bedrooms then detectors outside **each** bedroom) If any gas appliances or attached garage, must have CO detector in all bedroom hallways.
- Garage door opener safety pressure reverse (closing force) properly set
- Attic pull down stairs cannot be installed with deck screws; ¼"x3" lags or 3"-16D nails.
- All homes require structural sheathing or bracing to meet code.
- Barndominiums / shop-homes and the like require firewall separation.

