

Minimum Inspection for Decatur County

<https://codes.iccsafe.org/content/INRC2020P2>

A 48 HOUR NOTICE IS REQUIRED ON ALL INSPECTIONS

"RE-INSPECTION FEE WILL BE \$100.00"

Per the 2020 Indiana Residential Code, references apply to the proposed construction for which this permit is issued. Review this sheet and ask any question you might have prior to construction. These items will be checked when site is inspected.

FOOTING: All footer inspections must be made before any concrete is poured.

- _____ R401.3 Drainage - The final grade away from foundation walls shall fall a minimum of 6 inches Within the first 10 feet.
- _____ 403.1.4 Minimum depth of footing to be 24 inches below final grade and a minimum of 12 inches below the undisturbed ground surface. Footing size to be based on tables.
R403.(1) R403.1(2) R403.1(3)
- _____ 403.1.6.2 Anchor bolts are to be $\frac{1}{2}$ inch diameter, placed within 12 inches of corners, within 12 inches of end of plates and spaced a MAXIMUM 6 feet o.c.. Bolts must be grouted in masonry and into poured concrete walls, at least 7 inches deep. Approved straps may be substituted IF they meet required depth placement and are 42 inches o.c. maximum; refer to manufacturers instructions.
- _____ 403 Footing sizes for dwellings and attached garages per table. R403.1(1) - R403.1(3).
Masonry walls per table R 404 1.1(1) – R404 1.1(4)
Reinforcement for concrete walls per table R 404.1.2(1) through R 404.1.2(7)
- _____ 403.1 Footers for detached garages:
 - 1. Minimum depth of footing is to be 24 inches below final grade.
 - 2. If footer and floor are poured at the same time (monolithic pour), footer needs to be 12 inches wide and 12 inches deep or 18 inches deep and 8 inches wide. Maximum area 721 square feet. 24' x 30'. 6 x 6 welded wire or equivalent required.
 - 3. If footer and floor are poured separately, follow instructions for attached garages.
- _____ 403.1 Post holes for pole buildings:
 - 1. Holes must be at least 36 inches deep
 - 2. Holes must be wide enough to accommodate the size of pole

Recommended that 2 bags of concrete be used for each pole hole
- _____ 403.1 Mobile home footers (single or double wide)
 - 1. MUST be installed by a Licensed Manufactured Home Installer.
 - 2. Footer needs to be 24 inches below finished grade minimum.
 - 3. Need minimum of 6 inches of concrete and come up with blocks or can be all concrete.

FOUNDATION, CRAWLSPACE, & BASEMENT

- _____ 404.1 MINIMUM thickness of foundation requirements, and MAXIMUM level of backfill allowed for masonry walls.
- _____ 405 Perimeter foundation drains requirements.
- _____ 406.1 Damp-proofing of exterior basement required from footing to finished grade. Damp-proofing to consist of bituminous application and waterproof membrane, or other approved means.

- _____ 408.2 Ventilated Crawlspace: Vents to be placed within 3 feet of foundation corners, and not in floor joist (one per 150 square feet). Sump pump pit or drain to daylight in floor is required. VAPOR BARRIER REQUIRED.
- _____ 408.3 Non-ventilated Crawlspace: Insulation must be permanently attached to the interior or exterior of walls. Exposed earth must be covered with Class 1 vapor retarder. Overlapping joints must be taped.
- _____ 408.4 Minimum crawlspace access hole 18" x 24" in floors or 16" h x 24" w when in walls.
- _____ 408.1.5 Under-floor space shall be cleaned of all vegetation, debris, etc.
- _____ 408.8 Crawlspaces are to be graded so as to direct any water to a central point where a drain or sump pit 18" diameter by 24" deep is to be provided or gravity discharge.

Table N 1102.1.2 Basement walls must be insulated. R-10 exterior or R-13 interior, slab perimeter R-10, 24 inches deep.

FRAMING & DESIGN

- _____ 310.1 Sleeping rooms are required to have at least one emergency egress opening (window or exterior door). Egress windows must have a MINIMUM net clear opening of 5.7 square feet when removable sash used and the sill shall not be more than 44" from the floor.
- _____ R602.7(1) through R602.7(3) * Girder beam sizing and support spacing requirements.
- _____ 602.8 Fire-stopping shall be provided to cut off all concealed vertical and horizontal draft openings.
- _____ R 502.3.1(1) through 502.3.1(2) *Floor joist span chart.
- _____ R507 Exterior decks
- _____ R507.5.1(1) - R507.5.1(2)
 - Deck beam bearing & connection to supports. Beams must be notched into post or be mounted on top of post.
- _____ R802.11 **Trusses** – All trusses must have hurricane fasteners
- _____ 802.4 Rafter allowable span requirements.
- _____ 802.10 Truss design and bracing requirements. TRUSS SPECIFICATION REQUIRED.
- _____ 807.1 Any attic space of 30" or more must have an access opening no smaller than 22" x 30".

STAIRWAYS

- _____ 311.7.8 **Handrails** – need handrails on four or more risers. Handrails with a circular cross section shall have an outside diameter of not less than 1 ¼ inches and not greater than 2 inches.
- _____ 302.7 **Under stairs** – enclosed space with door or access panel, must be protected on all sides with at least ½" gypsum board.
- _____ 311.7.5 **Stair Treads & Risers** height shall be no more than 8 1/4" and tread depth of not less than 9".
- _____ 311 Means of egress
- _____ R311.7 All stairways must have handrails having MINIMUM and MAXIMUM heights of 34"- 38" measured from the tread nosing. Handrail/guardrail combinations on open stairs must be between 34" and 38". Spindle separation to be 4" or less. Headroom clearance shall not be less than 6'8" measured vertically from the sloped line adjoining the tread nosing or from the floor surface of the landing or platform on that portion of the stairway.
- _____ 312 Guards
- _____ R312.1.1 Guards shall be provided for walking surfaces that are located more than 30 inches measured vertically to grade or floor.

GARAGES

- _____ R302.6 Attached garage-dwelling must be completely separated from living and attic space by a MINIMUM of ½" gypsum board on garage side.
- _____ R302.5.1 Doors entering the residence from the garage are to be a MINIMUM 1 3/8" solid core wood 20-minute fire rating or metal door without windows or openings.
- _____ 309.2 Garage floors shall be sloped toward the main vehicle entry doorway, or to central drain.
- _____ 602.7 Garage door header requirements
- _____ R302.6 Habitable rooms above garage must have no less than 5/5" type X gypsum board or equivalent on garage ceiling.

SMOKE ALARMS

- _____ R314 **Smoke alarms** – New construction, when house goes under alterations or additions, if the attic or crawl space is accessible, the whole house must be brought up to code by hard wire and battery backup smoke alarms. If the attic or crawl space is not accessible, the whole house must have battery backup smoke alarms where it is not accessible.
- _____ R315 Carbon monoxide alarms required in dwelling if the unit contains a fuel-fired appliance or has an attached garage.
- _____ R302.11 **Fire blocking** – Concealed areas thru floor and ceiling, breech thru top plate, ceiling suspended under floor framing, floor framing constructed of truss type, open web or perforated members.
- _____ R314.3 Smoke alarms shall be installed in each sleeping area, outside each separate sleeping area in the vicinity of the bedroom shall be hard wired, equipped with battery back-up power and shall be interconnected so to operate simultaneously. Additions or Alterations to existing buildings require smoke alarm protection for entire structure.
- _____ R315.3 Carbon monoxide alarms shall be installed outside of each separate sleeping area in immediate vicinity of the bedrooms. Where fuel burning appliance is located in a bedroom a carbon monoxide alarm shall be installed within the bedroom.

INSULATION

____ Climate zone 5.

____ N1102.1.2 Indiana Energy Conservation Code, 2012 Edition
Prescriptive; R-38 Ceiling, R-30 Floor, R-20 Exterior Walls and walls separating House and Garage. R-10 Under slab 2 feet down vertically.
Basement Walls - R-10 continuous insulated sheathing on exterior of the basement OR R-13 cavity insulation on the interior of the basement wall.

ELECTRICAL: Chapters 34-43 based on the 2017 National Electric Code.

____ E3601.6.2 Service disconnecting means to be located at a readily accessible location either outside of buildings or structure, or inside nearest the point of entrance of the service conductors.

____ E3607, E3608 Grounding is required for customer's service entrance equipment.

____ E3610, E3611 A ground connection for customer's service equipment shall not be made in or on the meter-mounding device for the Electric Companies meter.
Grounding electrode conductor exposed to physical damage shall be required to be in $\frac{1}{2}$ inch steel or gray conduit and the ground connecting must be exposed for inspection purposes only.

____ NEC 300.5 Conduit to meter base must be 2"rigid steel, or Schedule 80 PVC (Gray Conduit), and must extend minimum 18" below grade. No entrance cable is allowed to be used inside conduit. **Schedule 40 is not permitted.**

____ NEC 230.70 A service disconnect is required on all services.
All meter bases are required to be inspected and **green tagged** before any electric company will provide service. The base must be permanently attached to the dwelling/building. This includes modular homes.

____ NEC 550-32 Any manufactured, mobile home or structure **not on a permanent foundation** shall not have meter base mounted on it.

____ E3405.5 Service panel shall not be located in clothes closets or bathrooms.

____ E3902 Ground Fault Circuit Interrupter (GFCI) protection must be provided in all bathrooms, garages, basements, exterior outlets, all countertop outlets in kitchens and outlets or within 6 feet of the rim of a sink.

____ E3901 Receptacle Outlets

____ E3901.2.1 Receptables shall be installed so that no point measured horizontally along the floor line of any wall space is more than 6 feet, from a receptacle outlet.

____ E3901.4.1 A receptacle outlet shall be installed at each wall countertop and work surface that is 12 inches or wider. Receptacle outlets should be installed so that no point along the wall is more than 24 inches, measured horizontally, from a receptacle outlet in that space.

____ E3901.4.2 Island countertop spaces. At least one receptacle outlet shall be installed at each island countertop space with a long dimension of 24 inches or greater and a short dimension of 12 inches or greater.

____ E4003.12 Clothes closet light fixtures must be closed-bulb type or fluorescent.

____ E3905.8 Ceiling fan outlet boxes must be listed and identified for fan support

____ NEC300.4 Steel plate required over wiring that is not $1\frac{1}{4}$ inches back from the face of the stud wall.

____ 3601 Branch circuits wiring 14-2 or 12-2 copper based on load.

PLUMBING-HEATING VENTILATION & AIR CONDITIONING

- _____ P2804.6.1 Water heater discharge pipe/pressure relief valve to be of approved material and terminate not more than 6 inches above the floor.
- _____ M2005 Gas water heater placement restrictions: hazardous locations, under stairways, bedrooms, bathrooms, clothes closets, closet type spaces opening into bedrooms and bathrooms.
- _____ 2406.2 Gas furnaces placement restrictions: hazardous locations, under stairways, bedrooms, bathrooms, clothes closets, closet type spaces opening into bedrooms and bathrooms.
- _____ G2408.2 Equipment & appliances having an ignition source shall be elevated so the ignition source is at least 18 inches above the garage floor level.
- _____ G2419.2 (408.2) Condensation drip leg required in gas piping.
- _____ G2420 (409) Accessible shut-off valves shall be within 6 feet of appliance and in same room or space for fuel and gas piping.
- _____ M1701.1 Requirements of combustion air amount and source.
- _____ 2603.2.1 Plumbing that is not 1 ¼ inch back from the face of the stud wall shall have 16-gauge steel plate that extends not less than 2 inches above sole plate and below top plates.
- _____ P2503 Water lines to be tested 50 lb. P.S.I. for 15 minutes or drain waste vent systems 5 PSI for 15 minutes.
- _____ 2903.3.1 Pressure-reducing valve. Maximum average static pressure shall be 80 P.S.I. When main pressure exceeds 80 P.S.I., valve shall be installed on the domestic water branch main.

BATHROOMS

- _____ R303 Light and ventilation requirements. Vent to outside.
- _____ R308.4.5 Glazed areas within 60 inches of tub/shower drain level to be tempered glass.
- _____ 702.4 Moisture resistant drywall to be used in areas subject to water splash
- _____ R2708.4 Shower valves to be of the pressure balancing type
- _____ P2720 Whirlpool tubs shall have access to motor-pump assembly.

CHAPTER 10 – CHIMNEYS AND FIREPLACES

- _____ R1003.19 Fire stopping requirements for chimney chases
- _____ R1003 Masonry chimney construction requirements.
- _____ R1001.1 1001.14 Chimney clearances and hearth extension requirements
- _____ R1004 Factory built fireplace installation requirements
- _____ R1003.9 Chimneys shall extend at least 2 feet higher than any portion of the building within 10 feet but shall not be less than 3 feet above the point where the chimney passes through the roof.

ENERGY CERTIFICATE REQUIRED IN OR ON PANEL BOX