

RESIDENTIAL CONSTRUCTION DETAILS AND MATERIALS

Columbus/Bartholomew County
Department of Technical Code Enforcement
440 Third Street, Room 302, Columbus, IN 47201
812-379-1535

**This form must be filled out and submitted at time of application.
Code references are from the Indiana Residential Code.**

Please mark appropriate check boxes and fill in appropriate blanks _____. Failure to provide requested information might delay or cause denial of your permit application.

The person(s) or corporation making application for a permit is (are) responsible for knowing and understanding all the codes and ordinances related to the submitted project. If you obtain a permit for work you will be paying someone else to perform you are the responsible party and can be fined for excess inspections and/or other violations.

_____ A. Footings- IRC R403.1.4 minimum depth to *bottom* of footer -24" below final grade.

1. Depth of concrete in footing: _____ in.; Width(W) of footing: _____ in.;
2. Width of wall on footing: _____ in. Height (Ht) of wall (for basements): _____ ft.
3. Bearing capacity of soil (from Engineer): _____ psf;
or number and size of rebar to be placed in footer: qty _____ size _____
4. Compressive strength of footing concrete: _____ psi.

_____ B. Foundation IRC R404- crawlspace; basement; slab on grade; Other: _____

1. Wall material: poured concrete; cement block; ICF; Other: _____
2. Basements- Size of rebar reinforcement _____; spacing _____ on center (o.c.) Basement must have perimeter drain and be waterproofed. Cement Block used for basement must be parged.
3. Crawl **must be sloped and drain to a sump pit**. Crawl must be vented. IRC R506 Slab on grade min. compressive strength of 2500 psi over 6 mil vapor barrier, min. 3 1/2" thick.
4. All foundations R403.1.6- 1/2" X 7" anchor bolts (must be placed 6' o.c. and within 12" of corners and sole/base plate ends). plate straps (**must be placed per manufacturer's instructions**)!

_____ C. Floor system- IRC R502- dimensional (dim.) [solid] lumber; engineered floor system(I-joist)

1. 1st floor (flr.) joist size ___ X ___ in./ ___ o.c./ grade & species _____; max. span planned _____ ft.
2. 2nd flr. joist size ___ X ___ in./ ___ o.c./ grade & species _____; max. span planned _____ ft.

_____ D. Girder beams- IRC table R502.5- dim. (solid); engineered (LVL, steel, etc.)

1. Depth of house (parallel to floor joist): _____ ft.; number of stories _____
2. Size of girder(s) to be used: W _____ X Ht _____ in.; type of material _____ # of plys _____
3. Girders to be supported by: _____ o.c

- ____ E. Wall framing IRC 602- wood; steel; ICF; Other _____; 1st flr wall Ht ____ / 2nd flr Ht ____
1. 1st flr. load bearing stud size ____ X ____ in./ ____ o.c./ grade & species _____; # for steel _____
 2. 2nd flr. load bearing stud size ____ X ____ in./ ____ o.c./ grade & species _____; # for steel _____
 3. Method of bracing wall lines IRC R602.10.3 and Tables _____
 4. Header type IRC R602.7 and Table R502.5.1 _____
 5. Exterior wall finish: brick; vinyl; EIFS; wood; Other: _____
- ____ F. Roof-Ceiling Construction IRC R802- engineered trusses; conventional framing; Other: _____
1. **For trusses you must submit engineer's truss drawings.** (submitted: ____)
 2. Ceiling joist size [per IRC Table R802.4(1)] ____ X ____ in./ ____ o.c./ grade & species _____; planned span: _____
 3. Rafter size [per IRC Table R802.5.1(1)] ____ X ____ in./ ____ o.c./ grade & species _____; planned span: _____; size of ridge board to be used: ____ X ____ in.
 4. Are any of the ceiling areas cathedrals? Yes No If yes, then what method of support will you be using? IRC R802.3.1 (Beam or collar ties?) _____
 5. Type of roof covering- asphalt shingle; wood shake; metal; Other: _____
 6. Type of attic vent to be used- IRC R806: Ridge; Gable; Roof (pot); Soffit; total net free area: _____ in.²
- ____ G. Number of Sleeping rooms: _____ *
1. IRC R310- Sleeping room window type: single/double hung; casement; slider; Other: _____
(Min. Clear Opening Size Required: 5 sq. ft. Ground floor and 5.7 sq. ft. Second floor/Basement)
 2. Size of ground flr. sleeping room windows: W ____ x H ____; **net clear opening:** _____ ft²
Size of second flr./basement sleeping room windows: W ____ x H ____; **net clear opening** _____ ft²
 3. IRC R313- # of *hardwired/battery backed up/ interconnected* smoke alarms: _____
- ____ H. Heat Source Location: garage; basement; utility room; crawl space; other: _____
- TYPE: gas furnace (efficiency rating: ____); electric (EL) furnace; EL baseboard;
 Geo-thermal; other: _____
1. Gas: BTU's _____; amount and type of combustion air: _____
- ____ I. Water Heater Location: garage; basement; utility room; crawl space; other: _____
- TYPE: gas (efficiency rating: ____); electric (EL); geo-thermal; other: _____
1. Gas: BTU's _____; amount and type of combustion air: _____
- ____ J. Electric service: Size 100 Amp(A); 150 A; 200 A; other: _____; Panel Location: _____

- ____ K. Plumbing- Code to be used Indiana Residential Code; Indiana (Uniform) Plumbing Code
1. Water line Material: Copper; CPVC; PEX; Manifold; other: _____
 2. Waste line Material: PVC-DWV; Cast-iron; Copper; ABS-DWV; other: _____
 3. Gas line Material: black pipe; ward-flex; other: _____
- ____ L. Wastewater will connect to:
- Columbus Utilities sewer; on-site septic; private sewer system (name): _____
1. If on-site septic: Health Department Permit # _____; # of bedrooms permit based on: _____ *
- ____ M. Fireplace- Type: Masonry IRC R1001 and R1003; Factory Built IRC R1002 and R1004
1. Masonry- Mason's Name: _____
 2. Factory Built- gas; wood burning; flue vented; direct vented; non-vented
- ____ N. Insulation Type: _____; R-Values: exterior walls: R- _____; ceiling/attic: R- _____;
crawl/basement: R- _____

**** PLEASE READ THE FOLLOWING CAREFULLY ****

The Permit Applicant hereby certifies and agrees as follows:

- 1. I am authorized to make this application as the owner, owner's agent or tenant of the property.**
- 2. I have read and understand the following forms "Residential Permits Required Documents and Information," "Residential Building Permit Application," "Certificate of Completion and Compliance," "Residential Construction Details and Materials" and " Residential Inspection Information."**
- 3. The plans* and all documents which have been furnished to the Columbus/Bartholomew Department of Technical Code Enforcement for this permit application are true and correct to the best of my knowledge and that any misrepresentation in this application, plans, or other associated documents may be the basis for the revoking/voiding of the permit and a stopping of all related work.**
- 4. I agree to comply with all Columbus/Bartholomew County Ordinances, plan review/permit conditions, and State of Indiana statutes that regulate construction, use and occupancy of structures.**
- 5. I grant and will request the Columbus/Bartholomew County Department of Technical Code Enforcement inspectors and officials enter onto the property for the purpose of inspecting the work and posting related notices.**

*** PLANS shall mean all site/plot plans, construction drawings/blueprints, and specifications, whether furnished prior to or subsequent to the application date.**

By signing below I also acknowledge that the issuance of a permit does not mean that the plans submitted are in full compliance with all applicable codes. The applicant is solely responsible for compliance with all codes and ordinances regardless of any plan review or inspections performed by this Department.

Signature of Applicant: _____ **Date:** _____