Boone County Area Plan Commission

Residential Structure – Primary

APPLICATION PROCEDURES:

NOTICE ** NOTICE ** NOTICE

In order to be approved to construct a single family residence on a property which has AG (Agricultural) zoning, the applicant must apply for a special exception from the Board of Zoning Appeals. Applications for a special exception and the schedule showing the application deadline and the BZA meeting dates may be attained in this office.

1. BUILDING PERMIT APPLICATION

The following information must be submitted when applying for a building permit. In order to avoid misplaced information, please understand that incomplete submittals will not be accepted.

☐ **Application Form**

- All items must be completed fully and either typewritten or printed in ink.
- The application must be signed by the applicants.

☐ **Septic Permit/Sanitary Sewer Release and Well Permit/Water Service Approval.** One (1) copy.

- Septic and Well Permits are available at the Boone County Health Department, 116 W Washington St Rm B201, Lebanon, IN 46052, (765) 483-4458
- Sanitary Sewer Release and Proof of Water Service is available from the applicable utility providers.

☐ **Driveway Permit**. One (1) copy. This is required for any new driveway proposed to outlet onto a Boone County Road, or State Highway. This is obtained from either:

- Boone County Highway Department, 1955 Indianapolis Avenue, Lebanon, IN 46052 (765) 482-4550.
- State Highway Department, P.O. Box 667, Crawfordsville, IN 46933 (765) 362-3700.

☐ **Drainage Permit.** One (1) copy.

- Drainage permits are available at The Boone County Surveyor, 116 W Washington St Rm 102, Lebanon, IN 46052, (765) 483-4444. A certified site plan will be required to attain the permit.

☐ **Site Plan**

- Two (2) copies of the Certified Plot Plan size **11" x 17" or smaller** if possible (see details below).

☐ **Construction Blueprints**

- Two (2) copies of Construction Blueprints, floor plans, and a complete cross-section of the proposed structure size **24" x 36".**

☐ **Floodplain Check.** Provide a copy of the Flood Insurance Rate Map (FIRM) for the subject property to ensure proper Floodplain Determinations are conducted by Staff, if applicable to your property.

2. **SUBMITTING YOUR APPLICATION.** When you submit your application for a building permit, a staff person will follow the checklist above to ensure that you are submitting a complete application. This person WILL NOT do a detailed review of your submittal at this time, but will merely accept your information for review.

3. **REVIEW PROCESS.** Your application will need to be reviewed for two purposes: Structural Review and Site Plan Review. This generally takes approximately 7-10 business days.
    a. Structural Review. First, a Building Inspector will review your submittal to ensure that the structure meets the applicable building codes.
    b. Site Plan Review. Second, a Planner will review your submittal to ensure that the site plan complies with the applicable Zoning and Subdivision Control Ordinances. Any additional information or additional procedures that need to be followed will be determined at this time.

4. **PERMIT APPROVAL/DENIAL.** After review, your application will be given to the Secretary who will immediately notify you by phone that...
    a. Your application was approved, was complete, the fee has been determined, and the time your permit can be picked up.
    b. Your application is denied because it failed Structural or Site Plan Review, additional information is required or other procedures must be taken prior to applying for a building permit.

5. FEE SCHEDULE

Single Family	$200 base fee plus $.10 per square foot of floor area excluding garage, attic, crawl space, etc.
Two-Family Dwelling	$200 per unit plus $.10 per square foot of floor area excluding garage, attic, crawl space, etc.
Multi-Family Dwelling	$225 per unit
Re-inspection	$50 for each re-inspection. Fees will be collected at the time applicant picks up the Certificate of Occupancy.

6. DETAILS

a. **Certified Plot Plan.** <u>The plot plan must be certified (stamped and signed) by a land surveyor</u>. The plan must contain the following items, which <u>cannot be hand-drawn</u> on the plan:
    i. The Indiana registration and professional stamp of a registered land surveyor certifying the items shown on the plot plan. A written legal description of the subject property.
    ii. A scale not to exceed 1"-100'. On large acreage parcels, the actual building site should be enlarged.
    iii. A north point, drawing scale, and the date the plot plan was prepared by a land surveyor or civil engineer.
    iv. Location and exact dimensions of all existing and proposed structures on the site including sanitary water, sanitary sewer, well with radius, and septic system
    v. All existing road rights-of-way, building lines, drainage and utility easements, Boone County legal drains, open ditches, federal flood hazard areas, private tile drains, and private lakes or ponds. No building or septic system may be placed closer than 75 feet to a Boone County legal drain without written permission of the Boone County Drainage Board.
    vi. Location, size, and design of the proposed septic system including a drawing of the absorption field showing the length of absorption trench. Location and size of the proposed sub-surface drainage outlet to the property.
    vii. Location and size of the proposed sub-surface drainage outlet to the property.
    viii. Direction of surface drainage flow on the site with at least 5 random elevation points shown at various locations on the parcel or a two-foot topographic contour map of the site.

ix. Elevations:
    1. Existing elevations at the four corners of the property. In case of large parcels, at the four corners of the building site.
    2. Existing and proposed grade elevations at the four corners of the structure.
    3. Finished floor elevation of the structure.
    4. Invert elevations of the septic system absorption field and the subsurface drainage system.
    5. Invert elevation at the proposed sub-surface drainage outlet shall be provided if a field tile is to be utilized. A cross-section showing the top of bank elevation, elevation to the subsurface drainage tile, flow line and ditch bottom elevation if an open drain is to be used as the drainage outlet.

x. Legal description of any easement acquired in order to cross another owner's property in order to obtain a drainage outlet. A copy of the document verifying the drainage easement shall also be submitted.

xi. The property owner seeking septic system approval may be required to submit soil boring data, soil samples, excavate and underground drainage outlet for inspection, or provide an open excavation for visual inspection by the Boone County Sanitarian.

xii. **Building Setback Lines: It is the responsibility of the applicant to understand the accurate legal monuments for each individual property. The applicant or contractors will be responsible for physically affirming the ability to meet the setbacks set forth in the Zoning Ordinances of Boone County, Town of Whitestown and Town of Advance.**

b. **Construction Blueprints, floor plans, and a complete cross-section of the proposed structure.** These plans need to be drawn to scale, but do not have to be done by a professional 24 x 36"
    i. Indicate direction of floor/ceiling joist and rafters and size intended to be used.
    ii. Electrical layout showing location of GFIs and smoke alarms.

c. **Energy Code Requirements.**
    i. **See attached 2020 Energy Code Requirements**
    ii. **Must provide R-values (sticker)**
    iii. **Energy Compliance Report must be submitted with permits.**

Boone County Area Plan Commission
116 Washington Street, Room 101
Lebanon, IN 46052
Phone (765) 482-3821 * Fax (765) 483-5241
www.bccn.boone.in.us/apc

BOONE COUNTY
Highway Department

1955 INDIANAPOLIS AVE
Lebanon, IN 46052
Phone: (765) 482-4550 | Fax: (765) 483-4451

February 1, 2018

Attention Development and Building Permit Applicants:

On August 21st, 2017, the Boone County Board of Commissioners passed Ordinance 2017-13 repealing and replacing Boone County's Code sections related to construction and permitting in county rights-of-way. This ordinance went into effect on January 1, 2018 and includes substantial changes to the permitting application processes and requirements.

Subsequently, on September 5th, 2017, the Boone County Board of Commissioners adopted a new schedule of fees and bonding requirements associated with Ordinance 2017-03.

Editable PDF's of revised highway permit applications along with the schedule of fee and bonding requirements are available on the Boone County Highway Department's permit page. (http://www.boonecounty.in.gov/Offices/Highway/Permits)

Right-of-Way Dedication

Per section 150.40 of Ordinance 2017-13, where an application is for an entrance, driveway or approach or for sidewalks, pathways, trails, or multi-use paths, or for any change in the use of the property necessitating Improvement to structures in the right-of-way, applicant shall convey or cause to be conveyed right-of-way in accordance with the Boone County Thoroughfare Plan and the Boone County Comprehensive Plan. Right-of-way conveyance shall be a pre-requisite for issuance of an applicable permit, except for Field Entrance permits. If the conveyance creates a zoning non-conformity, applicant will need to seek a waiver from the Boone County Board of Zoning Appeals.

The Boone County Thoroughfare Plan establishes goals, policies and recommendations regarding the development of a safe, efficient and balanced transportation system throughout Boone County. On August 7, 2017 a revision to the Boone County Thoroughfare Plan was adopted on by the Boone County Commissioners. A copy of this document is available for viewing or download on the Boone County Highway Department's documents website. (http://www.boonecounty.in.gov/Offices/Highway/Documents)

Residential - Primary Structure

Permit #:	ILP#:
New Address:	
Ambulance:	Fire:
Permit Fee:	Zoning District: If AG Date of Bza Approval:
Structure Review:	Zoning Review:

PROPERTY INFORMATION

Tax Parcel #			
Floodplain Determination	Subdivision	Lot #	
N S E W side of what road?		N S E W of intersection of what road?	
Lot size in acres		Road frontage	
Township		S	T R

STRUCTURE INFORMATION

1. Type of structure: ☐ single-family ☐ multi-family with _____ units

2. Estimated cost of construction:	Electrical	Plumbing	Heating/AC	Other	TOTAL
	$	$	$	$	$

3. Type of frame: ☐ masonry ☐ wood ☐ steel

4. Type of sewage disposal: ☐ public or municipal sewer ☐ septic, permit # _____

5. Type of water supply: ☐ public or municipal water ☐ well, permit #_____

6. Type of heating: ☐ gas ☐ oil ☐ electric ☐ other _____

7. Central Air Conditioning: ☐ yes ☐ no

8. Elevator: ☐ yes ☐ no **9.Energy Code Plan: ☐ Prescriptive ☐ Total UA ☐ Performance**

10. Number of stories above ground floor: _____ Basement: ☐ yes ☐ no

11. Approximate square footage of living area including basement: _____

12. Number of bedrooms: _____

13. Number of bathrooms: full _____ partial _____

IDENTIFICATION

Owner:	Contractor:
Address:	Address:
City, State, Zip:	City, State, Zip:
Phone:	Phone:
Plumber's Name:	Plumbing Contractor License #: Plumbing installed per which code:
Owner Email address:	Contractor Email address:

The owner of this building and the undersigned agree to conform to all applicable laws of Boone County and the State of Indiana Date

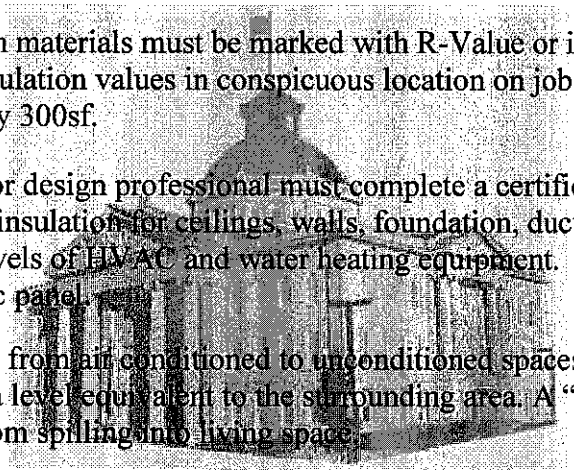
116 Washington Street
Room 101
Lebanon, Indiana 46052
765-482-3821
FAX: 765-483-5241

Boone County Area Plan Commission

2020 Energy Code

This code affects all homes permitted after January 1, 2020. The builder must choose the Prescriptive, Total UA or Performance Method of compliance. In addition to establishing compliance through one of those methods, the following items below MUST be completed for ALL paths and black items completed for Prescriptive and Total UA paths only. This information is based on interpretations provided by the State of Indiana as of December 26, 2019, and this information is subject to change until Indian supplies written interpretation.

Main Mandatory Requirements



- All insulation materials must be marked with R-Value or installer must post a certificate listing all insulation values in conspicuous location on job site---also, one thickness marker in attic for every 300sf.
- The builder or design professional must complete a certificate that lists the predominant R-Values of insulation for ceilings, walls, foundation, ductwork, U-factors for windows and efficiency levels of HVAC and water heating equipment. This certificate must be attached to the electric panel.
- Attic hatches from air conditioned to unconditioned spaces must be weather stripped and insulated to a level equivalent to the surrounding area. A "dam" equivalent must prevent attic insulation from spilling into living space.
- Air Leakage – The building thermal envelope shall be sealed to limit infiltration (see air sealing checklist). The checklist must be field verified by an approved party OR a blower door test can be performed after construction and must demonstrate the air leakage rate is below 7 ACH @ 50pa.
- All ducts, air handlers and filter boxes must be sealed. The duct tightness must be verified with a duct-blaster test. *Not required if all ducts and air handler are located within the conditioned space.
- Supply ducts located in the attic must be insulated to R-8. All other ducts must be insulated to R-6 (Note: Supply ducts insulated to R-6 if using the Performance Path)
  Exceptions: Ducts within conditioned space

116 Washington Street
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Lebanon, Indiana 46052
765-482-3821
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Boone County Area Plan Commission

January 1, 2020

Attention Builders and Remodelers:

We would like to inform and remind you that the 2020 Indiana Energy Code has been adopted and went into effect on December 26, 2019. We are putting it into effect now for all applications permitted after January 1, 2020.

There are three methods of compliance to choose from. You will be required to choose which type of compliance method at the time of permit application:

-Prescriptive (most restrictive)
-Total UA (allows building envelope trade-offs)
-Performance (most flexible-considers heating, cooling, and water heating costs only)

The state requires a design professional or builder to complete a Certificate of Compliance (see enclosed sample). This must be attached to the front of the electrical panel and is to be furnished by the builder or third-party agency.

Additionally, prior to the final inspection, builders are required to provide a 2020 Energy Code Certification with the permit placard. This certification includes building features, method used, and name of organization, signature, and date. (See enclosed example).

Please take a moment to review the enclosed information regarding the adoptions of the state code. Keep in mind that portions of this code could be amended at the state level, so any changes to this code will take place at the time those amendments are adopted.

To stay informed on any code changes, please visit .in.gov/. Also, as many of you know, there are multiple education opportunities with IBA, BAGI or NAHB. These classes will continue to take place this spring/summer.

To retain a copy of the current Chapter 11:2020 Indiana Energy Efficiency Code, please visit the website below:

2018 IECC with Amendments effective 12/26/2019

We understand this will be an adjustment for all of us. In the future, it may be necessary to amend these procedures after these changes are in effect. If you have any questions, please do not hesitate to contact our office at 765-482-3821.

Regards,
Boone County Area Plan Commission

- New wood burning MASONRY fireplaces must have gasketed doors and outdoor combustion air.

- All recessed lights must be IC-rated, and the housing must be sealed with gasket or caulk to the drywall.

- At least one thermostat shall be installed that can be programmed. Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load.

- Building cavities may not be used as supply ducts (returns ok—for now).

- Mechanical system piping capable of carrying fluids above 105 F or below 55 F shall be insulated to at least R-3. Also, all circulating hot water system piping shall be insulated to at least R-2 and shall include a switch that can turn off the hot water pump when the system is not in use.

- HVAC equipment must be sized according to ACCA Manual J eighth edition.

- Snow Melt Controls – Snow and ice melting systems, supplied through energy service to building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50 F and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40 F.

- Pools – Pool heaters shall be equipped with a readily accessible on-off switch to allow shutting off the heater without adjusting the thermostat setting.

- Pool heaters fired by natural gas shall not have continuously burning pilot lights. Time switches that can automatically turn off and on heaters and pumps according to a preset schedule shall be installed on swimming pool heaters and pumps.

- Heated pools shall be equipped with a vapor-retardant pool cover on or at the water surface. Pools heated to more than 90 F shall have a pool cover with a minimum insulation value of R-12.

- Lighting – A minimum of 50 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps.

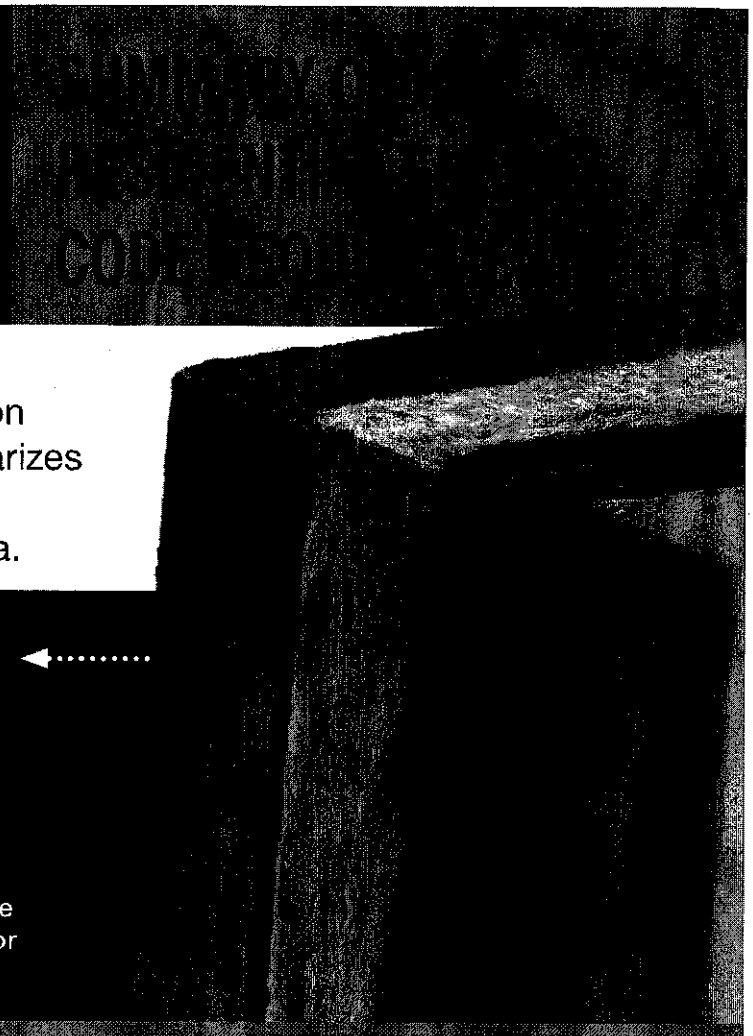
- All of Boone County is Climate Zone 5.

2020 Indiana Energy Code

CODE MEASURE:	Prescriptive Path	Total UA Path	Performance Path
1101.3 - Materials, systems and equipment shall be identified to allow determination of compliance	X	X	X
1101.4 - Insulation identifed with R-value marked on product	X	X	X
1101.4.1 - Rulers, with R-value identified, every 300 sf in attic	X	X	X
1101.4.2 - Install insulation so R-value mark is readily observable	X	X	X
1101.5 - Fentestration products shall bear a label and certification (NFRCC100)	X	X	X
1101.6 - R-value determined in accordance with the 16 CFR 460	X	X	X
1101.7 - All materials, systems and equipment installed in accordance with manufacturers instruction. Also, exposed foundation insulation shall be protected	X	X	X
1101.8 - A permanent certificate must be posted on or in the electrical panel, listing the R-value of all insulation, fenestration u-factors, equipment efficiencies	X	X	X
1102.1 - Thermal envelope shall meet requirements of Table N1101.2	X		
1102.1.1 - R-value computation method	X	X	
1102.1.2 - U-factor alternative Table can be used	X	X	
1102.1.3 - Total UA Alternative Compliance		X	
1102.2.1 and 1102.2.2 - Attic Insulation R-value allowances	X		
1102.2.3 - Access hatches and doors weatherstripped and insulated	X	X	X
1102.2.4 and 1102.2.5 - Mass Wall and Steel frame requirements	X	X	
1102.2.6 - Floor insulation installed so permanent contact with subfloor decking	X	X	X
1102.2.7 - Conditioned basement walls FULLY insulated top to bottom	X	X	
1102.2.8 - Slab insulation according to Table N1102.1	X	X	
1102.2.9 - Crawl Space Walls insulating floors vs. walls	X	X	
1102.2.10 - Insulation not required on horizontal masonry support	X	X	X
1102.2.11 - Sunroom insulation requirements	X	X	
1102.3 - Fenestation requirements	X	X	
1102.4 - Air Leakage Requirements (1102.4.1 - 1102.4.5) This includes blower door testing (or air leakage checklist review), masonry fireplace requirements, Fenestration Air Leakage Section and IC Rated Can lights	X	X	X
1102.5 - Fenestration Trade-offs	X	X	
1103.1.1 - Programmable thermostat installed	X	X	
1103.1.2 - Heat pump controls to prevent unnecessary supplemental heat operation	X	X	
1103.2.1 - Supply ducts in attic R-8; all other R-6 outside conditioned space*	X	X	*

1103.2.2 - All ducts, air handlers, filter boxes shall be sealed and duct tightness must be tested with a duct blaster and may not exceed maximum amounts	X	X	X
1103.2.3 - Building cavities may not be used as supply ducts	X	X	
1103.3 - Refrigerant Lines insulated to R-3	X	X	
1103.4 - All circulating hot water piping shall be insulated to at least R-2	X	X	
1103.5 - Mechanical ventilation intakes shall have gravity dampers	X	X	
1103.6 - HVAC equipment must be sized according to M1401.3	X	X	
1103.7 - Snow melt system controls	X	X	
1103.8 - Pool requirements	X	X	
1104 - Lighting mus t be 50 percent high-efficacy lamps	X	X	
**Performance Path Requires R-6 on ALL ducts outside conditioned space			
This information is based on Indiana's latest interpretation as of 12-26-19 and all information is subject to change			

2020 INDIANA RESIDENTIAL CODE



The 2018 IECC with amendments was adopted in Indiana and became effective on **December 26, 2019.** This document summarizes changes to the building envelope-related requirements in the updated code for Indiana.

CODE CHANGE HIGHLIGHTS

- Indiana amended their energy code and moved to R-15 instead of R-13 for walls in climate zone 4.
- Building envelope air leakage can be visually inspected in accordance with Table N1102.4.1.1 – Air Barrier and Insulation Installation or tested and verified.
- Supply and return ducts must be insulated to an R-value not less than R-8 for ducts 3 inches or larger and R-6 for ducts smaller than 3 inches.

BUILDING ENVELOPE REQUIREMENTS

CODE PATH	2018 IECC CODE SECTION	CHANGE SUMMARY	
		CLIMATE ZONE 4	CLIMATE ZONE 5
Prescriptive	R402.1.2 – Wood Frame Wall	R-15 / U-0.082	R-20 or R-13 + 5 / U-0.067
	R402.1.2 – Ceilings	R-38 / U-0.026	R-38 / U-0.026
	R402.1.2 – Basement Walls	R-13 or R-10 ci / U-0.059	R-13 or R-10 ci / U-0.059
	R402.1.2 – Crawl Space Walls	R-13 or R-10 ci / U-0.065	R-13 or R-10 ci / U-0.065
	R402.1.2 – Fenestration	U-0.35	U-0.35

DUCT LEAKAGE

MEASUREMENT	CFM25 / 100 SQ. FT.
Rough-in (total leakage)	4
Post-Construction (leakage to the outside)	4

AIR LEAKAGE

CLIMATE ZONE	MEASUREMENT
4	5 ACH50
5	5 ACH50

Note: All R-values are minimums and U-factors maximums.

MORE INFORMATION ON THE INDIANA ENERGY CODE CAN BE FOUND HERE:

www.in.gov/legislative/iac/T06750/A00140.pdf

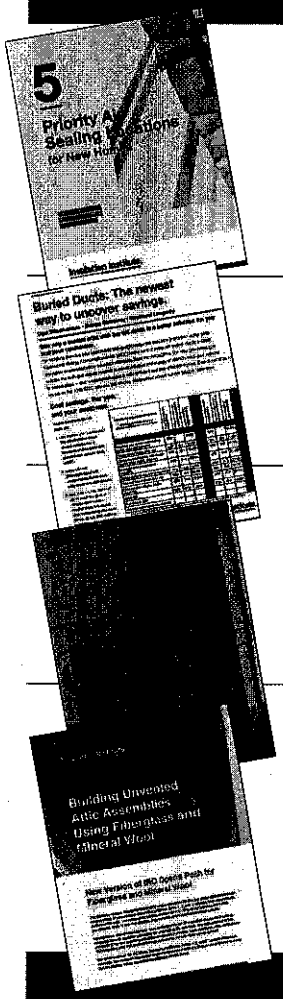
Insulation Institute™

KNOWLEDGE. LEADERSHIP. CONFIDENCE.

ENERGY-EFFICIENT, COST-EFFECTIVE CONSTRUCTION WITH FIBERGLASS AND MINERAL WOOL INSULATION

As code levels advance, keep informed about innovative practices to meet or exceed code requirements that incorporate fiberglass and mineral wool insulation. The following resources in the table below are just a subset of the many tools available from the Insulation Institute to help you achieve new performance requirements with proven approaches.

INSULATION INSTITUTE RESOURCES



Air Leakage	As states adopt more stringent energy codes, some builders may experience challenges meeting new mandatory air leakage requirements. Fiberglass and mineral wool insulation is the low-cost solution for homebuilders to meet or surpass code air leakage rate requirements of 3 or 5 air changes per hour depending on climate zone. For homeowners, an airtight building envelope results in energy savings and increased thermal comfort. **https://insulationinstitute.org/wp-content/uploads/2018/05/N090-5-Air-Sealing-Locations-for-New-Homes.pdf**
Ducts Buried Within Ceiling Insulation	Deeply buried ducts in attics is an easy way to lower energy code compliance costs for builders using the simulated energy performance path. Homeowners can benefit from energy savings realized from lower-capacity, lower-cost HVAC systems. **https://insulationinstitute.org/wp-content/uploads/2019/03/N087-Buried-Ducts-The-newest-way-to-uncover-savings.pdf**
Proper Installation of Insulation	Grade I installation delivers superior energy efficiency and is increasingly required by state energy codes. Insulation installation jobs that fail to meet Grade I criteria can mean construction delays due to callbacks, HERS rating penalties, and failed code inspections. Grade I installation is readily achievable by following basic guidelines as recommended by manufacturers. NAIMA offers free online training for installers. **www.grade1insulation.org**
Unvented Attics Using Fiberglass and Mineral Wool Insulation	Unvented attics can be constructed by installing fiberglass or mineral wool insulation below the roof deck instead of using more costly materials like spray foam. In addition, fiberglass and mineral wool insulation products are green certified and do not carry recommended occupancy restrictions due to product off-gassing after installation. Starting with the 2018 IRC, this practice is outlined in detail within the code. Homeowners benefit from lower construction costs and the use of a safe product. **https://insulationinstitute.org/wp-content/uploads/2018/05/BuildingUnventedAtticAssemblies-N089.pdf**

LEARN MORE ABOUT THE ERI COMPLIANCE PATH HERE:

www.energycodes.gov/resource-center/training-courses/2015-iecc-%E2%80%93-energy-rating-index-eri-compliance-alternative

Get the Facts for a Stronger Business

Learn more about fiberglass and mineral wool insulation at InsulationInstitute.org

NAIMA
North American Insulation Manufacturers Association
11 Canal Center Plaza, Suite #103 • Alexandria, VA 22314
InsulationInstitute.org • 703.684.0084

2020 Indiana Residential Code

Prescriptive Method Energy Requirements per Section N1102

Insulation

Basement Walls	R-10/13*
Crawlspace Walls	R-10/13*
Slabs (edge)	R-10 (for a depth of at least 24")
Heated Slabs	R-5 (underneath)
Rim & Band	R-13+5** or R-20
Exterior Walls	R-15
Ceilings (flat)	R-38
Ceilings (vaulted or at roof line)	R-30
Refrigerant Lines	R-3
Hot Water Piping (outside the building envelope)	R-3
Ducts (outside the building envelope)	R-8

* R-10 if continuous and R-13 if in the framing (joist) cavities
** R-13 cavity insulation covered by R-5 continuous board insulation

Fenestration

Windows & Glass Doors (Metal)	U-0.65
Windows & Glass Doors (Nonmetal)	U-0.55
Skylights (Metal)	U-1.10
Skylights (Nonmetal)	U-1.05
Insulated Metal Doors	U-0.60
Wood Doors	U-0.50

Additional Requirements

Attic Access Panel must be insulated and gasketed (or weather-stripped)
All HVAC Equipment must be sized according to the ACCA Manual J, 8th Edition
Setback (Programmable) Thermostat initially set at 70°F Heat & 78° Cool
At least 90% of all permanent lighting must be high-efficacy lamps (CFL or LED)
All duct/pipe seams and connections must be sealed with mastic or UL181 Tape

The following must be caulked, sealed, or gasketed:

- Gaps between the windows or doors and the framing
- Top plates and bottom plates (to the sub-floor)
- Perimeters of all headers
- Corners and ANY back-to-back studs, cripples, or jack studs
- Utility penetrations
- Behind tubs and showers on exterior walls
- Rim Joist junctions
- Exposed seams in the exterior sheathing (exception: spray foamed walls)

NOTE: All of the above apply to walls between dwelling units, garage walls common to the dwelling, and exposed, wood-framed basement walls

2020 INDIANA ENERGY CODE

Builder Name: _____

Property Address: _____

Conditioned Floor Area: _____sf Date: _____

Compliance Method Used: Prescriptive / Total UA / Performance (circle one)

Builder or registered design professional:

_____

Signature Printed

R-VALUES

Ceiling: Vaulted R-_____ Flat R-_____

Slab on grade R-_____

Floors Over Unconditional Space R-_____

Walls: Above Grade Cavity R-_____ Sheathing R-_____

Below Grade Interior R-_____ Below Grade Ext. R-_____

If not full wall basement insulation, # of ft from top of wall: _____

Are all HVAC ducts within the conditioned space? Y / N (waive duct test, if yes)

R-value of ducts outside conditioned space R-_____

Windows U-_____ SHGC: _____ Doors R-_____

Skylights U-_____ SHGC: _____

SYSTEMS

Heating System Type: _____ Efficiency: _____ (AFUE or HSPF)

Cooling System Type: _____ Efficiency: _____ (SEER)

Water Heater Type: _____ Efficiency: _____ (EF)

AIR LEAKAGE / DUCT LEAKAGE

Independent Inspecting Firm: Thermo-Scan Inspections, 317-846-4655

Air Leakage: _____ ACH50 (Maximum Allowable: 7 ACH50)

Duct Leakage To Exterior: _____ cfm25 (Maximum Allowable: _____ cfm25)

Air Leakage Test Pass? Y / N / NA Duct Leakage Test Pass Y / N / NA

If Alternative Visual Option was performed, circle NA for Air Leakage Test and initial here that all Code Checklist items were met: _____

Testing Firm Signature: _____