

**2019 RESIDENTIAL CODE OHIO ENERGY COMPLIANCE PATH OPTIONS FOR CLIMATE ZONE 5**

**Compliance shall be demonstrated by meeting the requirements of one of the following 5 options: SUBMIT a completed: UA Alternative or a (RES ) document OR use one of the three options provided below**

Description	<i>To use as a submittal form, check box of choice and infill right column</i>			Proposed Values (must meet or exceed chosen path) Fill in value and type of insulation
	<input type="checkbox"/> Prescriptive Per 2018 IECC 2019 RCO	<input type="checkbox"/> RCO 1105 OHBA #1 new buildings only	<input type="checkbox"/> RCO 1105 OHBA #2 new buildings only	
Minimum Glazing Fenestration U-Factor	0.3	0.32	0.32	
Skylight Fenestration	0.55	0.6	0.6	
Ceiling R Value * refer to section 1102.2.1 or 1102.2.2	49	49	49	
Vapor Retarder@interior side of framed exterior wall (RCO. Section 702.7)	section 1102.1.1	see section 702.7		
Wood Framed Cavity Walls	20 or 13 + 5 Continuous	15 or 13 +3 Continuous	13	
Mass Wall R Value (above grade concrete, block, logs)	13 Continuous,17 Cavity	13 Continuous,17 Cavity	13 Continuous,17 Cavity	
Framed Floor R Value-above garages, below cantilever	30	30	30	
Basement Wall R Value R-10 continuous or R-13 Cavity	10/13	10/13 (minimum 4 feet)	10/13 (minimum 4 feet)	
Slab R Value, vertical or horizontal	10, 2 ft (min.10 feet or bsmt floor)	10, 2ft; R-5 @edge	10, 2ft; R-5 @ edge	
Crawl Space Wall R Value - 10 Continuous,13 Cavity	10/13	10/13	10/13	
Blower Door Test	Yes (always mandatory)	Yes (always mandatory)	Yes (always mandatory)	
Ducts must be tested for tightness if not within conditioned space	Yes	Yes	Yes	
Supply ducts in attic shall be sealed and insulated to a minimum of	8 > 3 in diameter 6 < 3 In diameter	8 > 3 in diameter 6 < 3 In diameter	8 > 3 in diameter 6 < 3 In diameter	
All Other ducts(outside of the building envelope shall be sealed and insulated to a minimum of	6 > 3 in diameter 4.2 < 3 In diameter	6 > 3 in diameter 4.2 < 3 In diameter	6 > 3 in diameter 4.2 < 3 In diameter	
Whole House Mechanical Ventilation Required	Yes (always mandatory)	Yes (always mandatory)	Yes (always mandatory)	
Access doors from conditioned spaces to unconditioned spaces shall be weatherstripped and have insulation to match surrounding surfaces of openings.	Yes	Yes	Yes	
Circulating hot water system piping	3	3	3	
Hot Water piping ≥ 3/4" or: buried/ in unconditioned space/ serving more than 1 unit/ to distribution manifold	3			
Mechanical system piping fluids above 105° F or below 55° F must be insulated to a minimum of R-	3	3	3	
Minimum percentage of high efficacy lighting fixtures	90%	90%	90%	
Permanent certificate shall be posted on or in the electric panel	Yes	Yes	Yes	
Furnace Efficiency Rating	Equipment Sizing shall meet Section 1401 of the IRC			
Air Conditioner SEER Ratio				

**PROJECT ADDRESS:**

**OWNER OR REPRESENTATIVE:**

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