BARRON Electric COOPERATIVE
A Touchstone Energy® Cooperative

ELECTRIC$ENSE NEW HOME

2025 CHECK LIST

Requirement Category	Requirement Detail	Requirement *NOTE: If applying for the New Home incentive under the ELECTRIC$ENSE® NEW HOME Program, all of the following requirements MUST be met, unless not applicable. For example, if a home does not have skylights, "Not Applicable" is acceptable. You may also qualify for the New Home incentive if you meet another program or code. See the 2025 Electric$ense New Home for details.*	Mark one below for each requirement Meets Requirement	Not Applicable
Foundation	Basement wall	R-15. R-20 if more than half the insulation is on the interior of the mass wall.		
	Crawlspace wall	R-15. R-20 if more than half the insulation is on the interior of the mass wall.		
	Ground cover (under crawlspace)	6-Mil vapor barrier taped at all joints with 6" overlap.		
	Slab (if structure built on cement slab)	R-10 to depth of 4 ft.		
Insulation	Floor over crawlspace	R-30.		
	Ceilings without attic spaces	R-49. If insufficient space for R-49, then R-30, but is limited to 500 sq ft or 20% of insulated ceiling, whichever is less.		
	Ceilings with attic spaces	R-49. Wherever full height of uncompressed insulation extends over the wall top plate at the eaves, R-38.		
	Wood frame wall	R-20 cavity insulation + R-5 exterior insulation or R-13 cavity insulation + R-10 exterior		
	Knee walls	If 6" knee wall, R-20 in cavity and R-5 outside of knee wall. If 3 1/2" knee wall, R-13 in cavity		
	Mass wall: poured concrete or log	R-15. R-20 if more than half the insulation is on the interior of the mass wall.		
	Circulating hot water pipes	R-3 with manual off switch.		
	Mechanical system piping	R-3 if piping under 55 degrees Fahrenheit or over 105 degrees Fahrenheit.		
Windows/Doors	Windows/Glass	U-Factor 0.32 maximum or ENERGY STAR® labeled.		
	Skylight	U-Factor 0.55 maximum.		
	Doors	Metal insulated (exception for entry). Performance same as 2004 IECC: insulated metal U-0.6, wood U-5, insulated nonmetal edge, max 45% glazing, any glazing double pane U-0.35.		
Equipment	HVAC	Heat pump recommended & must be properly sized in accordance with ACCA Manual S, based on building loads calculated in accordance with ACCA Manual J or other approved methodologies. Gas furnaces (natural gas or propane) must be closed combustion, 90+ AFUE, & have ducted intake & exhaust. All HVAC systems must have temperature controls installed, including programmable thermostats if required.		
	Water Heater	Electric or heat pump recommended, or else closed combustion. Efficiency for electric =0.88+ UEF. Efficiency for gas + .64+ UEF.		
	Appliances	Recommend ENERGY STAR® where applicable.		
	Can Lights	Insulation contact rated and air tight.		
Exahust	Exhaust Systems	Outdoor air intakes and exhaust shall have automatic or gravity dampers that close when system is not operating. Sump pump basins should be sealed.		
	Attic ventilation	Vented with aperture = 1 sq ft per 300 sq ft ceiling area. Conditioned attics allowed.		
	Kitchen & bath ventilation	Kitchen and bath ventilation must meet local or state codes.		
Ductwork & Air Infiltration Control *(Skip "Ductwork & Air Infiltration Control" requirements if blower door test performed & met requirement of < 3 air exchanges per hour at -50 Pascal.)*	Duct work	Strongly recommend ductwork be located in conditioned area. If supply and return ductwork outside of thermal envelope, R-12 required. If supply and return ductwork in floor trusses outside of thermal envelope, R-10 required. Insulation can be in form of duct wrap or equivalent coverage with building insulation materials. Building cavities cannot be used as supply ducts. Ducts required to be sealed with mastic and mesh or U1-181a aluminum tape.		
	House wrap	Required and must be installed per manufacturer's recommendation.		
	Sealing	Must seal: 1) Joints, seams & penetrations 2) Site-built windows, doors & skylights 3) Openings between window & door assemblies & respective jambs & framing 4) Utility penetrations 5) Dropped ceilings or chases adjacent to thermal envelope 6) Knee walls 7) Walls & ceilings separating a garage from conditioned spaces 8) Behind tubs & showers on exterior walls 9) Can lights & bath fan housings 10) Common walls between dwellings 11) Ducts, air handlers, filter boxes, & building cavities used as ducts 12) All other sources of infiltration.		