



2024 ELECTRIC\$ENSE® NEW HOME CHECKLIST

Dairyland Power Cooperative System Only

This institution is an equal opportunity provider.

Requirement Category	Requirement Detail	Requirement	Check one checkbox for each requirement below	
			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. <i>If structure does not have a basement, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	Crawlspace wall	R-15. R-20 if more than half the insulation is on the interior of the mass wall. <i>If structure does not have a crawlspace, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	Ground cover (under crawlspace)	6-Mil vapor barrier taped at all joints with 6" overlap. <i>If structure does not have a crawlspace, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	Slab (if structure built on cement slab)	R-10 to depth of 4 ft. <i>If structure not on cement slab, rather has a basement or crawlspace, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
Insulation	Floor over crawlspace	R-30. <i>If structure does not have a crawlspace, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	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. <i>If structure has an attic, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	Ceilings with attic spaces	R-49. Wherever full height of uncompressed insulation extends over the wall top plate at the eaves, R-38. <i>If structure does not have an attic, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	Wood frame wall	R-20 cavity insulation + R-5 exterior insulation or R-13 cavity insulation + R-10 exterior insulation. <i>If the structure's frame wall is not made of wood, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	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 and R-10 outside of knee wall. <i>If the structure does not have knee walls, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	Mass wall: poured concrete or log	R-15. R-20 if more than half the insulation is on the interior of the mass wall. <i>If the structure does not have a mass wall made of concrete or log, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	Circulating hot water pipes	R-3 with manual off switch. <i>If the structure does not have a hot water recirculation system, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	Mechanical system piping	R-3 if piping under 55 degrees Fahrenheit or over 105 degrees Fahrenheit. <i>If piping 55 to 105 degrees Fahrenheit, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
Windows/ Doors	Window/Glass	U-Factor 0.32 maximum or ENERGY STAR® labeled.	<input type="checkbox"/>	<input type="checkbox"/>
	Skylight	U-Factor 0.55 maximum. <i>If the structure does not have skylights, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	Doors	Metal insulated (exception for entry). Performance same as 2004 IECC: insulated metal U-0.6, wood U-0.5, insulated nonmetal edge, max 45% glazing, any glazing double pane U-0.35.	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<input type="checkbox"/>
	Water Heater	Electric or heat pump recommended, or else closed combustion. Efficiency for electric = 0.88+ UEF. Efficiency for gas = .64+ UEF.	<input type="checkbox"/>	<input type="checkbox"/>
	Appliances	Recommend ENERGY STAR® where applicable.	<input type="checkbox"/>	<input type="checkbox"/>
	Can lights	Insulation contact rated and air tight. <i>If the structure does not have can lights, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
Exhaust	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.	<input type="checkbox"/>	<input type="checkbox"/>
	Attic ventilation	Vented with aperture = 1 sq ft per 300 sq ft ceiling area. Conditioned attics allowed. <i>If structure does not have an attic, check "Not Applicable".</i>	<input type="checkbox"/>	<input type="checkbox"/>
	Kitchen & bath ventilation	Kitchen and bath ventilation must meet local or state codes.	<input type="checkbox"/>	<input type="checkbox"/>
Ductwork & Air Infiltration Control	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.	<input type="checkbox"/>	<input type="checkbox"/>
	House wrap	Required and must be installed per manufacturer's recommendation.	<input type="checkbox"/>	<input type="checkbox"/>
	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.	<input type="checkbox"/>	<input type="checkbox"/>

(Skip "Ductwork & Air Infiltration Control" requirements if blower door test performed & met requirement of < 3 air exchanges per hour at -50 Pascal.)