

Cass County Zoning 2018 International Energy Conservation Code Adoption with Amendments & Deletions

Adoption of the 2018 International Energy Conservation Code.

Except as hereafter provided by specific amendment, the following code and publication are hereby adopted and incorporated into Cass County Zoning Building Code.

One printed copy of the publication has been filed in the office of the Cass County Clerk for use of and examination by the public. Date: 1-31-2023

Section R402.4.1.2 Deleted; Testing (Blower Door Testing)

Section R402.4.1.2 of the International Energy Conservation Code is hereby deleted.

Section R403.3.3 Amended; Duct Testing (Mandatory).

Section R403.3.3 of the International Energy Conservation Code is amended to read as follows:

R403.3.3 Duct Testing (Mandatory). Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. Rough-In test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. Registers shall be taped or otherwise sealed during the test.
2. Post construction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exceptions:

1. A duct air-leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. A duct air-leakage test shall not be required for ducts servicing heat or energy recovery ventilators that are not integrated with ducts serving heating or cooling systems.
3. A duct air-leakage test shall not be required for ducts that are sprayed with closed cell foam.

A written report of the results of the test shall be signed by the party conducting the test and provided to the Cass County Building Inspector.

Section R403.3.5 Amended; Building Cavities (Mandatory).

Section R403.3.5 of the International Energy Conservation Code is amended to read as follows:

R403.3.5 Building Cavities (Mandatory). Building framing cavities shall not be used as ducts or plenums.

Exception: Interior building cavities may be used as ducts or plenums for return air when completely panned and sealed.

Section R403.6 Deleted; Mechanical Ventilation (Mandatory). (Outside Air Intake and Exhaust w/Automatic or Gravity Dampers)

Section R403.6 of the International Energy Conservation Code is hereby deleted.

Table R402.1.2 Amended; Insulation and Fenestration Requirements by Component.

Table R402.1.2 of the International Energy Conservation Code is amended to read as follows:

TABLE R402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT^a										
CLIMATE ZONE	FENESTRATION U-FACTOR^b	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC^{b,e}	CEILING R-FACTOR	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUEⁱ	FLOOR R-VALUE	BASEMENT^c WALL R-VALUE	SLAB^d R-VALUE & DEPTH	SPACE^c WALL R-VALUE
1	NR	0.75	0.25	30	13	3/4	13	0	0	0
2	0.40	0.65	0.25	38	13	4/6	13	0	0	0
3	0.32	0.55	0.25	38	20 or 13+5 ^h	8/13	19	5/13 ^f	0	5/13
4 except Marine	0.32	0.55	0.40	49	20 or 13+5 ^h	8/13	19	10/13	10, 2 ft	10/13
5 and Marine 4	0.30	0.55	NR	49	20 or 13+5 ^h	13/17	30 ^g	10/13	10, 2 ft	15/19
6	0.30	0.55	NR	49	20+5 ^h or 13+10 ^h	15/20	30 ^g	15/19	10, 4 ft	15/19
7 and 8	0.30	0.55	NR	49	20+5 ^h or 13+10 ^h	19/21	38 ^g	15/19	10, 4 ft	15/19

