

# 2012 INTERNATIONAL RESIDENTIAL CODE

## FIRE PROTECTION OF FLOORS

### Code Text: (cont)

3. Portions of floor assemblies can be **unprotected** when complying with the following:
  - 3.1. The aggregate area of the unprotected portions shall **not exceed 80 square feet** per story
  - 3.2. **Fire blocking** in accordance with Section R302.11.1 shall be installed along the **perimeter of the unprotected** portion to separate the unprotected portion from the remainder of the floor assembly.
4. Wood floor assemblies using dimension lumber or structural composite lumber equal to or greater than **2-inch by 10-inch** (50.8 mm by 254 mm) nominal dimension, or other approved floor assemblies demonstrating equivalent fire performance.

# New Construction Energy Code Compliance Certificate

Per R401.3 Certificate. A building certificate shall be posted on or in the electrical distribution panel.

Date Certificate Posted

Place your logo here

Mailing Address of the Dwelling or Dwelling Unit City

Name of Residential Contractor MN License Number

THERMAL ENVELOPE	Type: Check All That Apply						RADON CONTROL SYSTEM
	Insulation	Fiberglass, Blown	Fiberglass, Batts	Foam, Closed Cell	Foam Open Cell	Mineral Fiberboard	
Insulation Location	Total R-Value of all Types of Insulation	Non or Not Applicable					Passive (No Fan) Active (with radon monitor or other system monitoring device) Location (or future location) of Fan:
Below Entire Slab							
Foundation Wall							
Perimeter of Slab on Grade							
Rim Joist (1st Floor)							
Rim Joist (2nd Floor+)							
Wall							
Ceiling, flat							
Ceiling, vaulted							
Bay Windows or cantilevered areas							
Floors over unconditioned area							
Describe other insulated areas							

**Building envelope air tightness:**

Windows & Doors

Average U-Factor (excludes skylights and one door) U: \_\_\_\_\_

Solar Heat Gain Coefficient (SHGC): \_\_\_\_\_

**Duct system air tightness:**

Heating or Cooling Ducts Outside Conditioned Spaces

Not applicable, all ducts located in conditioned space

R-value \_\_\_\_\_

MECHANICAL SYSTEMS				Make-up Air Select a Type	
Appliances	Heating System	Domestic Water Heater	Cooling System	Location of duct or system:	
Fuel Type				Not required per mech. code	
Manufacturer				Passive	
Model				Powered	
Rating or Size	Input in BTUS:	Capacity in Gallons:	Output in Tons:	Interlocked with exhaust device.	
Efficiency	AFUE or HSPF%		SEER /EER	Describe:	
				Other, describe:	

**Residential Load Calculati**

Heating Loss \_\_\_\_\_ Heating Gain \_\_\_\_\_ Heating Load \_\_\_\_\_

Cooling Loss \_\_\_\_\_ Cooling Gain \_\_\_\_\_ Cooling Load \_\_\_\_\_

Cfm's \_\_\_\_\_

" round duct OR

" metal duct

**MECHANICAL VENTILATION SYSTEM**

Describe any additional or combined heating or cooling systems if installed: (e.g. two furnaces or air source heat pump with gas back-up furnace):

Select Type

Heat Recover Ventilator (HRV) Capacity in cfm's: Low: \_\_\_\_\_ High: \_\_\_\_\_

Energy Recover Ventilator (ERV) Capacity in cfm's: Low: \_\_\_\_\_ High: \_\_\_\_\_

Balanced Ventilation capacity in cfm's: \_\_\_\_\_

Location of fan(s), describe: \_\_\_\_\_

Capacity continuous ventilation rate in cfm's: \_\_\_\_\_

Total ventilation (intermittent + continuous) rate in cfm's: \_\_\_\_\_