

Siding



Building Inspection

The Minnesota State Building Code and Richfield City Code provide minimum standards for creating an environment of health and safety for all Richfield residents.

Purpose: Provide information to contractors and homeowners about siding permit requirements. Always refer to the Manufacturer's installation instructions.

Scope: Applies to all buildings and structures to which exterior finish materials are being applied.

The following are items contractors and homeowners should be aware of regarding an exterior finish installation project. The 2015 *State of Minnesota* building code, which adopts the 2012 International Residential code (2012 IRC). All R codes references are to the 2012 IRC.

INSPECTIONS: Schedule an inspection of the water resistive barrier after flashed and sealed to penetrations, such as doors, windows, vents, etc. in an approved method. A final building inspection is required after the electrical final passes. The permit and inspection record must be posted on site until final inspection passes. Brick, stucco and cultured stone installations are required to have 2 inspections, lath/felt paper and final inspection.

ELECTRICAL PERMIT: Electrical permit is required to reinstall electrical fixtures and devices, service and other electrical equipment. Final approval of the electrical permit is required prior to the final inspection of the exterior finish permit.

WATER RESISTIVE BARRIER: Exterior walls shall provide the building with a weather-resistant exterior wall envelope. It shall be designed and constructed in a manner that prevents the accumulation of water within the wall assembly by providing a water-resistive barrier behind the exterior veneer as required by Section R703.2 and providing a means of draining to the exterior water that enters the assembly. One layer of No. 15 asphalt felt complying with ASTM D 226 for type 1 felt or other approved water-resistive barriers shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches (51mm) and/or per manufacturer's requirement. Where joints occur in the water-resistive barrier or flashing, the joints shall be lapped not less than 6 inches (152 mm). **Keep in mind, seam tapes are for laps and air movement of the water resistive barrier and flashing tapes, such as peel and stick products, are for preventing water intrusion.** The exterior wall envelope shall be flashed as required in Section R703.8. The water-resistive barrier shall overlap flashings not less than 2 inches (51mm). All backer products used as a water resistive barrier must meet these requirements and be installed per manufacturer's specifications in a manner that prevents water intrusion into the exterior wall envelope.

Exception:

1. In detached accessory buildings, unless required by exterior finish Manufacturer.
2. Under materials as permitted in Table R703.4
3. Under paperbacked stucco lathe when the paper backing is an approved water-resistive barrier.

It is not intended nor shall it be considered a complete set of requirements.
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Zoning Administrator • (612) 861-9766
Fire Chief • (612) 243-4502

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FLASHING: Approved corrosion resistant flashing shall be applied shingle-fashion in such a manner as to prevent entry of water into the wall cavity or penetration of water to the building structural framing components. Flashing shall extend to the surface of the exterior wall finish. Approved corrosion-resistant flashing shall be installed at all of the following locations:

1. Exterior window and door openings and similar penetrations in accordance with approved methods.
2. At intersections of the chimneys or other masonry construction with frame or stucco walls and over projecting lips or stucco copings.
3. Under and at ends of masonry, wood or metal copings and sills.
4. Continuously above all projecting wood trim.
5. Where exterior porches, decks, stairs or landings attach to a wall or floor assembly of wood-frame construction.
6. At wall and roof intersections.
7. At built-in gutters.
8. Where exterior material meets in other than a vertical line.
9. Where the lower portion of sloped roof stops within the plane of intersecting wall cladding in such a manner as to divert water away from assembly in compliance with Section R903.2.1.
(Code does not require kick-out flashing when only re-siding existing buildings and structures but is recommended if feasibly possible to install as to prevent water intrusion to the building envelope.)
10. At the intersection of the foundation and rim joist framing when the exterior wall covering does not lap the foundation insulation.
11. At gable ends where the J-channel trim projects past the fascia board.

EXTERIOR FINISH MATERIAL: All exterior finish material must be weather resistive and installed in accordance with the manufacturer's specifications and the building code. (Be aware of code requirements for clearances to roofing, grade and solid surfaces)

CAULKING AND SEALING: Caulk and seal all exterior penetrations per manufacturer's specifications of exterior finish material.

FASTENERS: Nails and fasteners must be used and spaced according to the manufacturer's specifications, code and per table R703.4.

HOUSE NUMBERS: Address numbers must be placed in a position that is plainly legible and visible from the street or road fronting the property and at the alley. These numbers shall contrast with their background. Numbers shall be a minimum of 4 inches (102mm) high with a minimum stroke width of ½ inch (12.7 mm) and installed before a final inspection.

The State of Minnesota requires that residential building contractors, remodelers and roofers obtain a state license unless they qualify for a specific exemption from the licensing requirements. Homeowners may request their certification or license number. The contractor, remodelers and roofers are required to apply for the permit submittals. Contractors performing work involving only one special skill as well as contractors with less than \$15,000.00 in annual receipts are exempt from licensing. Any person claiming an income exemption must provide a copy of a Certificate of Exemption from the Department of Labor and Industry to the City before a permit can be issued.

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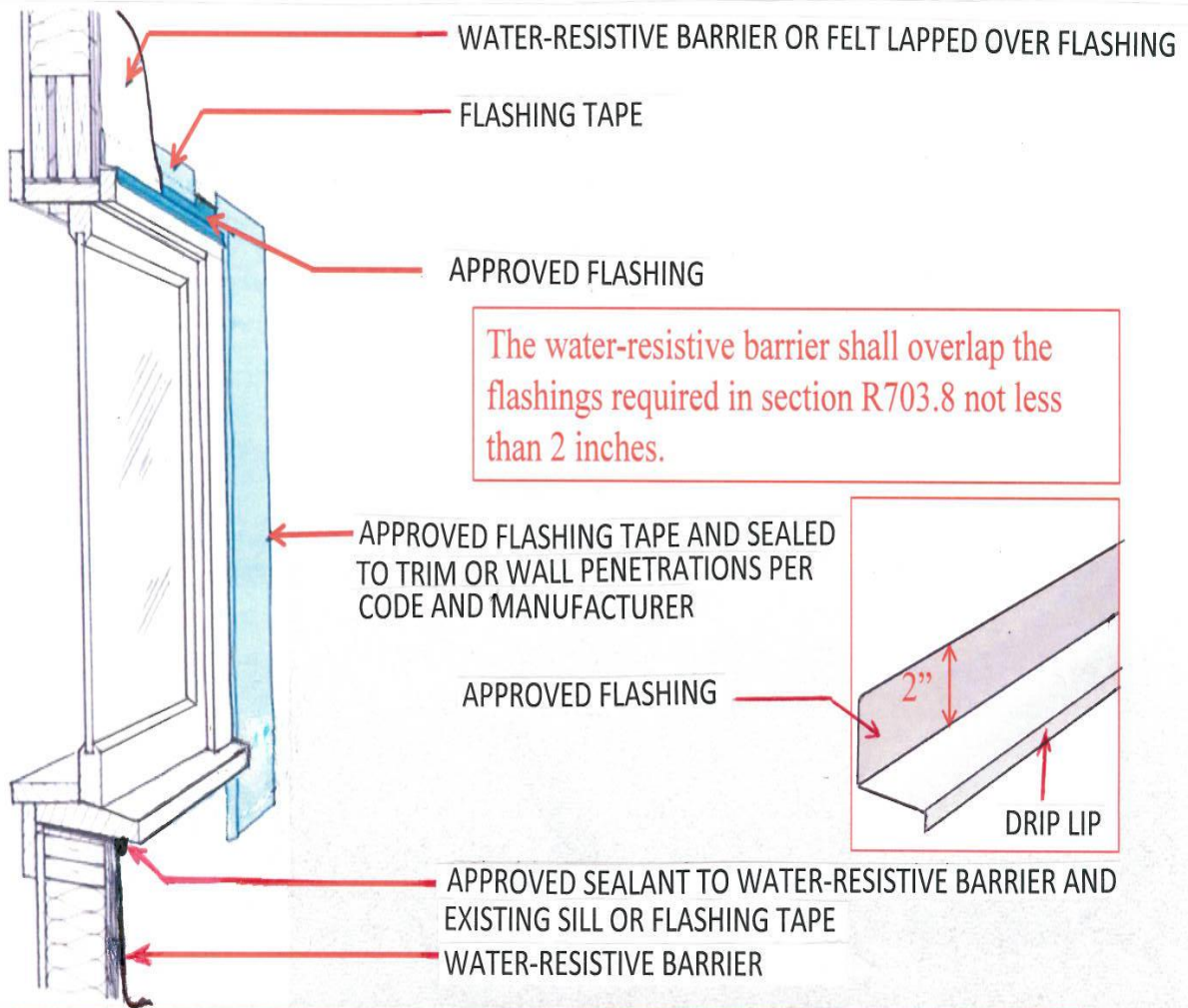
To determine whether a particular contractor is required to be licensed or to check on licensing status of individual contractors, please call the Minnesota Department of Labor and Industry at 651-296-2594, toll free at 1-800-657-3602 or go to <http://www.dli.mn.gov/main.asp>

If you have questions or need to schedule an inspection, please call the Building Inspections Department at 612-861-9860.

2012 INTERNATIONAL RESIDENTIAL CODE

EXTERIOR COVERINGS

SAMPLE OF SEALING AT EXISTING WINDOW PENETRATION
ALWAYS REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS

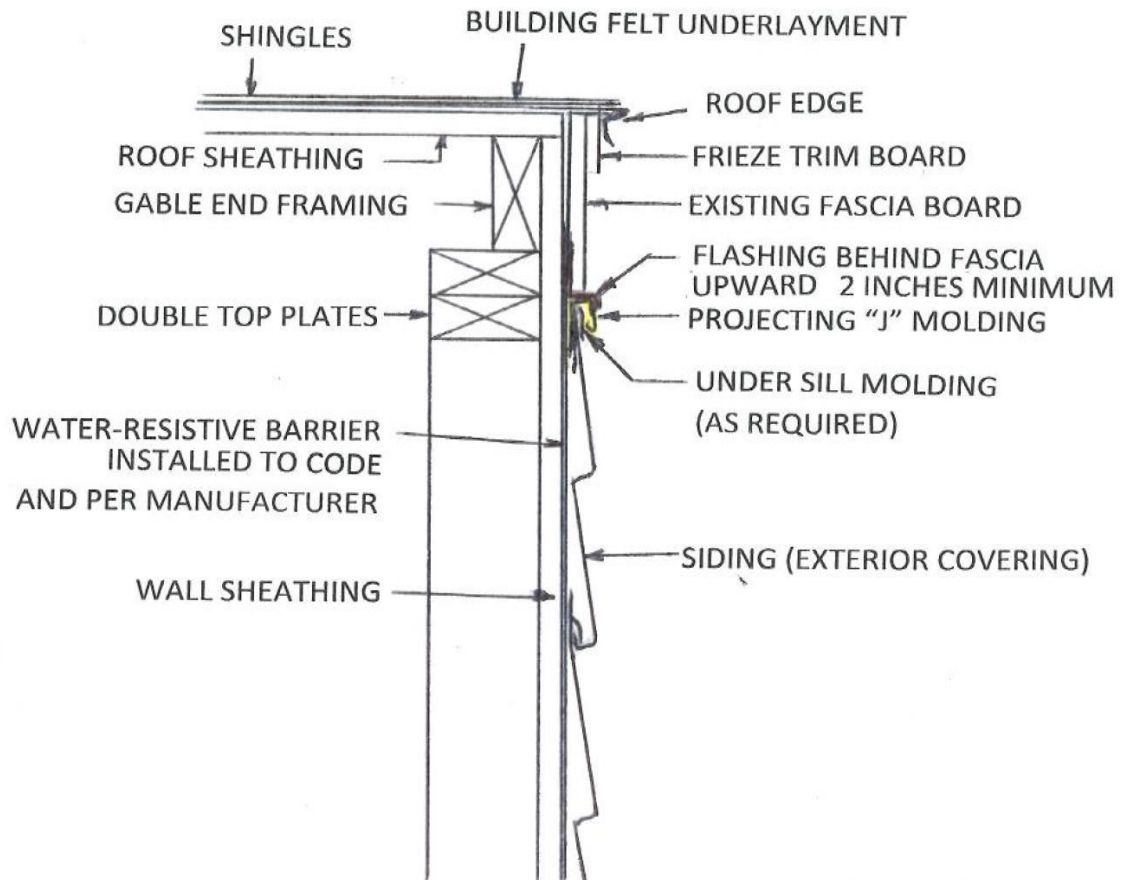


MR 1309.0703, Subp. 2a, section R703.2

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FLASHING AT GABLE END FASCIA LINE



OPTIONS: FASCIA CLADDING/WRAPPS COULD INCORPORATE LAPPING OVER WATER-RESISTIVE BARRIER 2 INCHES MINIMUM OR OVER "J" MOLDING WITH DRIP LIP. WATER-RESISTIVE BARRIER COULD TUCK UPWARD BEHIND FASCIA BOARD 2 INCHES MINIMUM.