



CITY of SPRING LAKE PARK

1301 Eighty First Avenue Northeast
Spring Lake Park, Minnesota 55432
Ph: (763) 784-6491 Fax: (763) 792-7257

VINYL SIDING

All vinyl siding must conform and comply with the 2015 Minnesota Building Code (MBC) and the 2015 Minnesota Residential Code (MRC), Sections 1404.9 and R703.11. Sections 1404.9 and R703.11 states vinyl siding shall be certified and labeled as conforming to the requirements of ASTM D3679 by an approved quality control agency.

Section R703.1 states general exterior walls shall provide the building with a weather resistant exterior wall envelope. The exterior wall envelope shall be designed and constructed in such a manner as to prevent the accumulation of water within the wall assembly by providing a water resistive barrier behind the exterior veneer as required by Section R703.2. of the 2015 MRC.

Section R703.2 **Weather-Resistive Sheathing Paper.** A minimum of one layer of number 15 asphalt felt complying with ASTM D226 for Type 1 felt or other approved weather-resistive material shall be applied over sheathing of all exterior walls. See Table R703.4. Such felt or material shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches. Where joints occur, felt shall be lapped not less than 6 inches. Building paper or other approved material shall be continuous up to the underside of the rafter or truss top cord and terminated at penetrations and building appendages in such a manner to meet the requirements of the exterior wall envelope as described in Section R703.1.

Exceptions: Such felt or material is permitted to be omitted in the following situations:

1. In detached accessory buildings.
2. Where specifically prohibited by a sheathing and/or siding manufacturer.

The exterior wall envelope shall include **flashing** as described in Section R703.1 of the 2015 MRC. 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 chimney or other masonry construction with frame or stucco walls over projection lips or stucco copings.
3. Under and at ends of masonry, wood or metal copings and sills.
4. Continuously above all projecting trim.
5. Where exterior porches, decks, stairs or landings attach to a wall or floor assembly of wood frame const.
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.
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.
12. Code does not require kick-out flashing when only re-siding existing buildings, but it is recommended if feasibly possible to install as to prevent water intrusion to the building envelope.

Caulking and Sealing all exterior penetrations per manufacturer's specifications of exterior finish material.

Nails and fasteners must be used and spaced according to the manufacturer's specifications and Table R703.4.

Table R703.4. WEATHER-RESISTANT SIDING ATTACHMENT & MINIMUM THICKNESS

SIDING MATERIAL		NOMINAL THICKNESS ^a (Inches)	JOINT TREATMENT	WATER-RESISTIVE BARRIER REQUIRED	TYPE OF SUPPORTS FOR THE SIDING MATERIAL AND FASTENERS ^{b, c, d}					
					Wood or wood structural panel sheathing into stud	Fiberboard sheathing into stud	Gypsum sheathing into stud	Foam plastic sheathing into stud	Direct to studs	Number or spacing of fasteners
Horizontal aluminum ^e	Without insulation	0.019 ^f 0.024	Lap	Yes	0.120 nail 1 1/2" long	0.120 nail 2" long	0.120 nail 2" long	0.120 nail ^g	Not allowed	Same as stud spacing
			Lap	Yes	0.120 nail 1 1/2" long	0.120 nail 2" long	0.120 nail 2" long	0.120 nail ^g	Not allowed	
	With insulation	0.019	Lap	Yes	0.120 nail 1 1/2" long	0.120 nail 2 1/2" long	0.120 nail 2 1/2" long	0.120 nail ^g	0.120 nail 1 1/2" long	
Anchored veneer: brick, concrete, masonry or stone		2	Section R703	Yes	See Section R703 and Figure R703.7 ^h					
Adhered veneer: concrete, stone or masonry ⁱ		—	Section R703	Yes Note w	See Section R703.6.1 ^k or in accordance with the manufacturer's instructions.					
Hardboard ^m Panel siding-vertical		7/16	—	Yes	Note m	Note m	Note m	Note m	Note m	6" panel edges 12" inter. sup. ⁿ
Hardboard ^m Lap-siding-horizontal		7/16	Note p	Yes	Note o	Note o	Note o	Note o	Note o	Same as stud spacing 2 per bearing
Steel ^h		29 ga.	Lap	Yes	0.113 nail 1 3/4" Staple- 1 3/4"	0.113 nail 2 3/4" Staple-2 1/2"	0.113 nail 2 1/2" Staple- 2 1/4"	0.113 nail ^v Staple ^v	Not allowed	Same as stud spacing
Particleboard panels		3/8 - 1/2	—	Yes	6d box nail (2" x 0.099")	6d box nail (2" x 0.099")	6d box nail (2" x 0.099")	box nail ^v	6d box nail (2" x 0.099"), 3/8 not allowed	6" panel edge. 12" inter. sup.
		5/8	—	Yes	6d box nail (2" x 0.099")	8d box nail (2 1/2" x 0.113")	8d box nail (2 1/2" x 0.113")	box nail ^v	6d box nail (2" x 0.099")	
Wood structural panel ^l ANSI/APA-PRP 210 siding ^l (exterior grade)		3/8 - 1/2	Note p	Yes	0.099 nail- 2"	0.113 nail- 2 1/2"	0.113 nail- 2 1/2"	0.113 nail ^v	0.099 nail-2"	6" panel edges 12" inter. sup.
Wood structural panel lapsiding		3/8 - 1/2	Note p Note x	Yes	0.099 nail- 2"	0.113 nail- 2 1/2"	0.113 nail- 2 1/2"	0.113 nail ^k	0.099 nail-2"	8" along bottom edge
Vinyl siding ^l		0.035	Lap	Yes	0.120 nail (shank) with a 0.313 head or 16-gage staple with 3/8 to 1/2- inch crown ^z .	0.120 nail (shank) with a 0.313 head or 16-gage staple with 3/8 to 1/2-inch crown ^y	0.120 nail (shank) with a 0.313 head or 16-gage staple with 3/8 to 1/2- inch crown ^y	0.120 nail (shank) with a 0.313 head per Section R703.11.2	Not allowed	16 inches on center or specified by the manufacturer instructions or test report
Wood ^d rustic, drop	3/8 Min	Lap	Yes	Fastener penetration into stud-1"				0.113 nail- 2 1/2" Staple- 2"	Face nailing up to 6" widths, 1 nail per bearing; 8" widths and over, 2 nails per bearing	
Shiplap	19/32 Average	Lap	Yes	Fastener penetration into stud-1"				0.113 nail- 2 1/2" Staple- 2"	Face nailing up to 6" widths, 1 nail per bearing; 8" widths and over, 2 nails per bearing	
Bevel	7/16									
Butt lap	3/16									
Fiber cement panel siding ^g	5/16	Note q	Yes Note u	6d common corrosion- resistant nail ^r	6d common corrosion- resistant nail ^r	6d common corrosion- resistant nail ^r	6d common corrosion- resistant nail ^v	4d common corrosion- resistant nail ^r	6" o.c. on edges, 12" o.c. on intermed. studs	

Footnotes from Minnesota Residential Code Weather-Resistant Siding Attachment & Minimum Thickness, Table R703.4:

- Base on stud spacing of 16 inches on center where studs are 24 inches, siding shall be applied to sheathing approved for that spacing.
- Nail is a general description and shall be T-head, modified round head, or round head with smooth or deformed shanks.
- Staples shall have a minimum crown width of 7/16 inch outside diameter and be manufactured of minimum Number 16 gage wire.
- Nails or staples shall be aluminum, galvanized, or rust-preventive coated and shall be driven into studs or fiberboard or gypsum backing.
- Aluminum nails shall be used to attach aluminum siding.
- Aluminum (0.019 inch) may not be backed only when the maximum panel width is 10 inches and the maximum flat area is 8 inches. The tolerance for aluminum siding shall be +0.002 inch of the nominal dimension.
- If board or panels are applied over sheathing or weather-resistant membrane, joints need not be treated. Otherwise, vertical joints shall occur to studs and be covered with battens or be lapped.
- All attachments shall be coated with a corrosive resistive coating.
- Shall be of approved type.
- Three-eighths inch plywood shall not be applied directly to studs spaces greater than 16 inches on center to studs spaced greater than 24 inches on center. The stud spacing shall not exceed the panel span rating provided by the manufacturer unless the panels are install with the face grain perpendicular to studs spacing.
- Wood board sidings applied vertically shall be nailed to horizontal nailing strips or blocking set 24 inches on center. Nails shall penetrate 1.5 inches into studs and wood sheathing combined or blocking. A weather-resistant membrane shall be installed weatherboard fashion under the vertical siding unless the siding boards are lapped or battens are used.
- Hardboard siding shall comply with AHA A135.6.
- Vinyl siding shall comply with ASTM D3679.
- When used to resist shear forces, the spacing must be 4 inches at panels edges and 8 inches on interior supports.
- Minimum shank diameter of 0.092 inch, minimum head diameter of 0.240 inch, and nail length must accommodate sheathing and penetrate framing 1.5 inches.
- Vertical end joints shall occur at studs and shall be covered with a joint cover or shall be caulked.



City of Spring Lake Park - Code Enforcement

1301 81st Avenue NE • Spring Lake Park MN 55432 • Phone: 763-784-6491 • Fax: 763-792-7257 • www.slpmn.org



BUILDING PERMIT APPLICATION

Job Address _____

Property Owner

Name _____

Address _____ Phone _____

Email _____

Contractor

Name _____

Address _____ Phone _____

Email _____

State License # _____ Exp. Date _____ Lead Cert. Date _____
dd/mm/yr dd/mm/yr

Applicant

Same as Property Owner Contractor

Name _____

Address _____ Phone _____

Email _____

Type of Property

- Commercial Property
- Industrial Property
- Mobile Home Property
- Multi-Family Property
- Public Property
- Single Family Property

Type of Work

- Addition _____
- Alteration _____
- Accessory < 200 Sq. Ft.
- Basement Finish
- Concrete Work
- Deck
- Demolition
- Door Replacement
- Dumpster Enclosure
- Egress Window
- Gypsum Board
- Insulation
- Masonry Work
- Mobile Home
- New _____
- Pool
- Remodel
- Repair
- Replace
- Roofing
- Shed < 200 Sq. Ft.
- Siding
- Structural Work
- Window Replacement
- Other _____

Describe Work _____

Value of Work Including Labor _____ Start Date _____ Estimated Completion Date _____
dd/mm/yr dd/mm/yr

Commercial/Industrial

Submit two plan sets and specifications for commercial or industrial work.

Describe Building Use and/or Changes in Use _____

Notice

Separate permits are required for electrical, plumbing, heating, ventilating, and air conditioning. This permit becomes null and void if work or construction authorized is not commenced within 180 days or work is suspended or abandoned for a period of 180 days at any time after work is commenced.

I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other State or local law regulating construction or the performance of construction. Initial here _____

➡ Contractor Signature _____ Date of Application _____
dd/mm/yr

➡ Homeowner Doing Work in Homestead Signature _____ Date of Application _____
dd/mm/yr

If application is not fully completed, it will be denied at time of processing. Please verify that all necessary information is legible and plans are included with job cost estimates. Contact Permit Technician to verify all necessary information is provided before submitting.

Payment: We accept cash, checks payable to City of Spring Lake Park, or credit cards (with additional processing fees), at the front counter only.



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BUILDING PERMIT APPLICATION

Building Permit Applicant: Property Owner

I understand that the State of Minnesota requires that all residential building contractors, remodelers and roofers obtain a state license unless they qualify for a specific exemption from the licensing requirements. By signing this document, I attest to the fact that I am building or improving this house myself. I hereby claim to be exempt from the state licensing requirements because I am not in the business of building on speculation or for resale and that the house for which I am applying for this permit, located at

_____ is the first residential structure I have built or improved the past twenty-four (24) months. I also acknowledge that because I do not have a state license, I forfeit any mechanic's lien rights to which I may otherwise have been entitled under Minnesota Statute 514.01. In the event that I do construct or improve another residential structure in the next 24 months, I will not do so until I obtain the required state license, per Minnesota Statute 326.84, understanding that failure to do so is a misdemeanor under state law.

Furthermore, I acknowledge that I may be hiring independent contractors to perform certain aspects of the construction or improvement of this house and I understand that some of these contractors may be required to be licensed by the State of Minnesota. I understand that unlicensed residential contracting; remodeling and/or roofing activity is a misdemeanor under Minnesota Statute 326.92, subdivision 1, and that I would forfeit my rights to reimbursement from the Contractor's Recovery Fund in the event that any contractors I hire are unlicensed.

I also acknowledge that as the contractor on this project, I am solely and personally responsible for any violations of the state building code and/or city ordinance in connections with the work performed on this property.

Signature of Property Owner

Date dd/mm/yr