

RESIDENTIAL DECK / PORCH / RAMP APPLICATION

10801 Town Square Dr. NE Blaine, MN 55449
BUILDING INSPECTIONS DEPARTMENT
Phone: 763-785-6170 Fax 763-785-6111



SITE ADDRESS _____ DATE _____
 OWNER _____ OWNER PHONE _____
 CONTRACTOR _____ LICENSE # _____
 ADDRESS _____ CONTACT PHONE _____
 CONTACT PERSON _____ EMAIL ADDRESS _____
 DECK SQUARE FOOTAGE _____
 PORCH SQ FOOTAGE (DO NOT INCLUDE DECK SQ FOOTAGE) _____
 RAMP SLOPE (EG. 1:20, 1:12, 1:8) _____

The Minnesota Residential Code has specific requirements for decks, porches, and ramps. Manufactured home decks always require a permit. For other one and two family residential dwellings, if the deck is not attached to the house, is less than 30" above grade, and is not used for a path of exit/entry in to the dwelling, a permit is not required. Provide all documents listed below with the application. Refer to the Deck / Porch / Ramp Handout for code details.

1. This completed and signed Application and Worksheet.
2. A copy of your property survey showing the property lines, existing buildings, and location of the proposed deck & stairs / porch / ramp– include distances to property lines.
3. One copy of the plans. All structural members must be sized and properly spaced to support all loads. Use the handouts to assist with these calculations.

REQUIRED SUBMITTAL DOCUMENTS ARE LISTED IN THE DECK / PORCH / RAMP HANDOUT – INCOMPLETE PLANS WILL BE REJECTED.

4. Structurally engineered plans are required if the deck or porch supports a hot tub / spa.

1 Select One	
<input type="checkbox"/> This is a decking or guardrail repair only →	On separate page, provide scope and material list and complete last page.
<input type="checkbox"/> This is a manufactured home deck → <input type="checkbox"/> This is a manufactured home ramp	Complete #3 and include park approval letter.
<input type="checkbox"/> This is a single family home ramp → <input type="checkbox"/> This deck is designed to be free-standing	Complete #3 and #4.
<input type="checkbox"/> This is a typical deck supported by a ledger attached to the structure → <input type="checkbox"/> This is a porch with or without an attached deck	Complete #2 and #3.
If Not Freestanding, Select One: Type of existing home foundation?	<input type="checkbox"/> Look-out <input type="checkbox"/> Full-height <input type="checkbox"/> Walk-out

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EXISTING HOME DETAILS

Obtain this information from within the home

Is the basement ceiling finished in the area along the wall where the deck ledger is to be located? Yes No

What type is the existing homes floor system?
(if the basement ceiling is finished, look in unfinished area)

- Common Floor Joist (i.e. 2x10)
 I-Joist
 Floor Truss

Example of an I-Joist



Example of a Common Floor Truss



Does the house have a cantilevered floor where the deck will be located? Yes No

If yes, provide design details.
See Cantilevered Floor section of the deck handout for details.

What is the spacing between the existing floor framing members at the location of ledger attachment, from center to center (inches)? _____

The home's rim material must be verified prior applying for a permit.



This diagram shows a traditional deck connection. The deck joist is at the far right, which is connected to a metal joist hanger, which is nailed into the deck ledgerboard. The deck ledgerboard is connected to the house with lag screws, which are attached to a 1" engineered rim board. The rim board is fully supported below by either a wall or a foundation.

What type of rim material will the deck ledger be attached to? _____

- Some rim material will not support a deck.
- Drilling into an exposed portion of the rim may be necessary for verification.
- Deck to be designed as freestanding if rim material is unknown.
- Examples of approved materials – 2 x 10 nominal sawn lumber; 1" engineered wood product

3	NEW DECK / PORCH / RAMP DESIGN DETAILS		
Use the information from your deck plans to complete this portion of the worksheet. All boxes must be completed in addition to complete plan submittal			
Deck Size & Height	_____	Ledger Fastener Hardware	_____
Ledger Size***	┆ 2X8	Beam Size	_____
	┆ 2X10	Post Size	_____
	┆ 2X12	Post Spacing	_____
	┆ Other	Joist Size	_____
Framing Material	_____	Joist Span Ledger to Beam	_____
Decking Material	_____	Joist Spacing (on-center)	_____
Decking Size	_____	Guardrail Material	_____
Decking Details?	┆ Perpendicular to joists	Footings sized per the <i>Footing Size</i> table in the handout	┆ Yes ┆ No
	┆ Diagonal to joists		
	┆ Picture framing		
***For manufactured home and free-standing decks enter N/A.			

❖ For accessible ramps that qualify for a \$1 permit fee, see the minimum design requirements in the Deck / Porch / Ramp Handout.

4	FREE-STANDING DECK / RAMP ADDITIONAL DETAILS		
What is the method of lateral support? (submit details)	┆	Diagonal Bracing	
	┆	Column Embedded in Concrete*	
	┆	Other _____	
Distance between house foundation and the proposed deck or ramp pads / footings?*			
*Embedded end of treated post shall be uncut and designed for this use.			
**Maximum cantilever over beam is 24" or by structural engineered design.			
**Footings within 5 feet of house shall have a depth equal to the house footings.			

- HOMEOWNER ASSOCIATION MEMBERS:** By signing this permit, I am verifying that I will contact the Homeowner Association to verify requirements that might pertain to this project.
- PERMIT HOLDER:** By signing this document, I agree to meet the inspector on site for the final inspection. If the deck is not freestanding, I will arrange to have entry into the dwelling for inspection of positive ledger connection. Approval must be obtained from the homeowner if they will not be present.
- By signing this document, I acknowledge that my footing inspection will fail if they are not set on sandy/suitable soils (no black organic type soils), and soils corrections and/or deck footings may need to be designed by a licensed professional engineer.**

APPLICANT SIGNATURE _____

HOMEOWNERS ... complete portion below if you are doing your own work or applying for the permit.

Residential Deck Permit Application Addendum:

I will be acting as the general contractor for the attached building project.

As the general contractor, I understand that I am responsible for completing the work as permitted, scheduling all required inspections, and I accept all responsibility for this project.

Homeowner Name _____ Today's Date _____

Homeowner Signature _____

Homeowner Address _____ City _____ Zip _____

IMPORTANT DECK / PORCH FOOTING INFORMATION

- Most homes in Blaine are constructed on corrected soil pads. This is because soil conditions prior to development were too low and often unsuitable. These corrected building pads are not much larger than the home structure itself.
- Soils outside of these corrected pads may not be suitable for the construction of decks, porches, or home/garage additions. Any proposed construction of a deck, porch, or an addition may require soils corrections, or an engineer's soils report may be required to verify minimum bearing capacity of 1,500 PSF.

Note: Areas of known poor soils require soils corrections and/or footings must be designed by a licensed professional engineer prior to the issuance of the permit. **Please call the Building Department for soil information in your development @ 763-785-6170 as your first step in planning for your deck or porch.**

1. **Concrete Footings** – The permit holder is responsible for the design size, but they cannot be a smaller diameter than listed in the City of Blaine Deck / Porch / Ramp Handout footing guide. In lieu of using the guide in the handout, another option is to provide an engineer's soils report to verify minimum bearing capacity, and design them accordingly.

Footings must still be set on sandy/suitable soils (no black organic type soils) or the footing inspection will fail. In some developments, the depth to suitable soil may be much deeper than the 42" frost depth. The footing inspection will fail if suitable soils cannot be verified, and soils corrections and/or deck footings must be designed by a licensed professional engineer.

2. **Non-concrete manufactured pin style footings** – The permit holder is responsible for the design size, and the *base area comparison* must be equal to or greater than concrete footing diameter listed in the City of Blaine Deck Handout footing guide. These pin style footings are only permitted for decks, and are not permitted for porches or covered decks.
3. **Helical piles (screw-pile)** are permitted in accordance with manufacturer's instructions. These are long screw-like piles that can reach suitable soils without the need for soils corrections. Screw-piles must be installed by a certified contractor.