



## ENVIRONMENTAL SERVICES

320 Third Street NW • Faribault, MN 55021

(507) 332-6113 • Fax (507) 332-6277

[www.co.rice.mn.us](http://www.co.rice.mn.us)

### **DECK PERMIT REQUIREMENTS**

The following information must be submitted before a building permit can be processed and approved:

1. **Survey or Site Plan**
2. **Building Plans**
3. **Erosion Control Plan**
4. **Septic System Certificate of Compliance, if required**
5. **Miscellaneous as required per staff review**

Allow **10-15** business days for processing.

Apply for this permit online at <https://permits.co.rice.mn.us> and choose #1: Building Permit Application.

#### **BUILDING PLANS:**

**A. Section drawing** [side, cutaway drawing] showing the footing width and thickness, post size, joist size, beam size, decking, height above grade, guardrail, cantilevers [overhang], anchoring, flashing, connectors and hanger types, include grade and species of lumber.

**B. Floor plans** of the deck showing the length and width of the deck, beam location, post spacing, joist spacing, stair location and type of lumber [pressure treated, redwood, cedar etc.].

**Special Design Note:** Some designs may not be appropriate if a future porch, addition or hot tub is intended to be installed on the deck. Footings, beams and joists should be sized for all future loads.

**Footings/Posts:** Footings must be a minimum 42" below final grade. The base of the footing must be wide enough to transfer the weight of the deck to the soil determine minimum footings. Posts must be pressure treated, redwood, cedar, concrete or other approved material.

**Framing:** The joists and beams must be sized to support a 40# per sq. ft. live load (may vary).

**MISCELLANEOUS:** Other information as may be deemed necessary.

#### **GENERAL INFORMATION**

**General Zoning** requirements must be met. Contact our office at 507-332-6113 for specific requirements. A zoning permit application is required if a variance, conditional use permit or special evaluation is necessary for your project. Building permits will not be issued until all zoning requirements are approved.

**Electrical wiring** must be inspected and approved by a state electrical inspector. Contact Minnesota Electrical Inspector Randy Edel at 507-334-3748 from 7:00 am to 8:30 am, Monday through Friday, to schedule an inspection or to answer your electrical questions.

**SEE ATTACHED SAMPLE DECK PLANS SPECIFICATIONS.**

# Plan View Landing or Deck

**Additions, i.e. porches, decks, or entry landings constructed on-site shall be *self-supporting* and shall *not be attached* to manufactured homes. MSBC Chapter 1350.0400, Subp. 3**

## BEAMS (Typical)

- \_\_\_ # of plys. \_\_\_" x \_\_\_"  
 (Check One of the Following)
- .40 ACQ Pressure Treated Wood
  - Cedar
  - Redwood
  - Post to Beam Connector \_\_\_ P.N.

## SUPPORT POSTS (Typical)

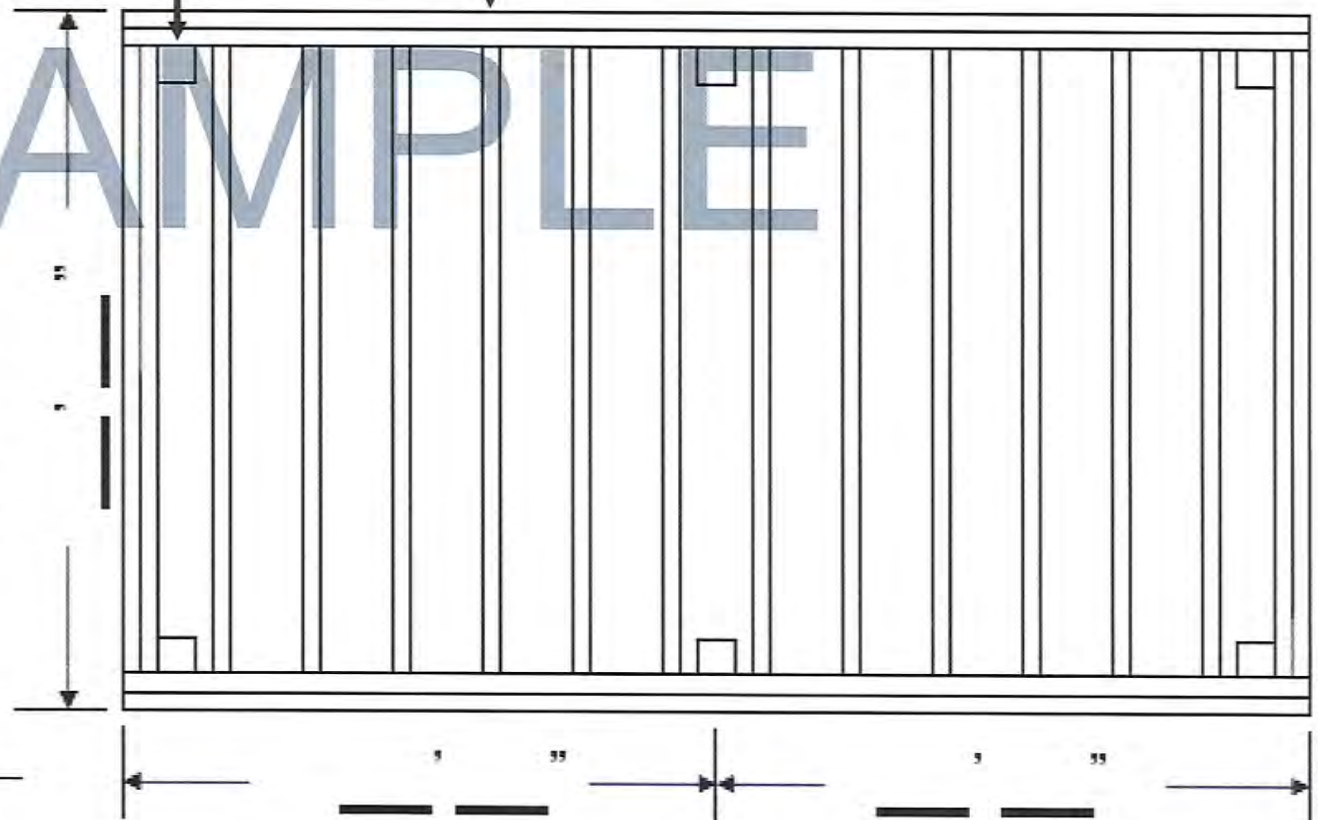
- \_\_\_" x \_\_\_"  
 (Check One of the Following)
- .40 ACQ Pressure Treated Wood
  - Cedar
  - Redwood

## JOIST (Typical)

- \_\_\_" x \_\_\_"  
 (Check One of the Following)
- .40 ACQ Pressure Treated Wood
  - Cedar
  - Redwood

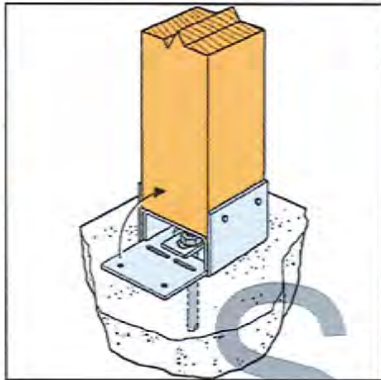
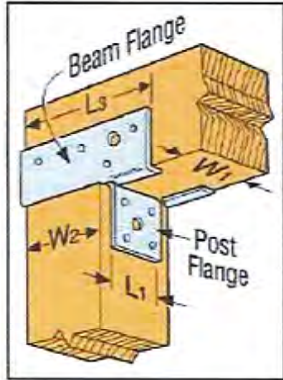
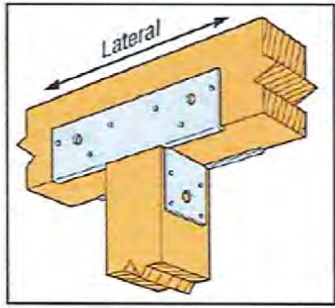
## OTHER REQUIRED JOIST INFO.

- \_\_\_" On Center Spacing
- Beam to Joist Fastener \_\_\_ d # \_\_\_
  - Hanger Product # \_\_\_\_\_



P.N. = Product Number

# Landing/Deck Section



## SUPPORT POSTS (Typical)

\_\_\_ " x \_\_\_ "

(Check One of the Following)

- .40 ACQ Pressure Treated Wood
- Cedar
- Redwood

## BEAMS (Typical)

\_\_\_ # of plys. \_\_\_ " x \_\_\_ "

(Check One of the Following)

- .40 ACQ Pressure Treated Wood
- Cedar
- Redwood
- Post to Beam Connector \_\_\_ P.N.
- Post to Footing Connector \_\_\_ P.N.

## JOIST (Typical)

\_\_\_ " x \_\_\_ "

(Check One of the Following)

- .40 ACQ Pressure Treated Wood
- Cedar
- Redwood

## OTHER REQUIRED JOIST INFO.

\_\_\_ " On Center Spacing

- Beam to Joist Fastener \_\_\_ d # \_\_\_
- Hanger Product # \_\_\_\_\_

## FOOTING CONFIGURATION

\_\_\_ " x \_\_\_ " x \_\_\_ "

Grade

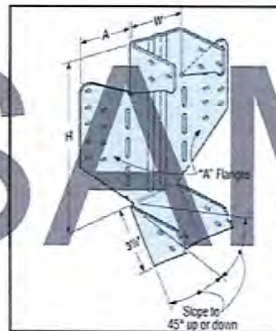
P.N. = Product Number



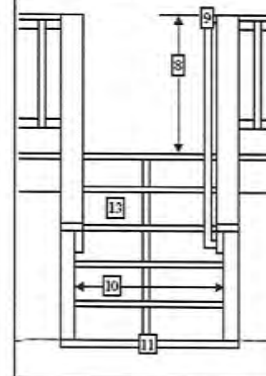
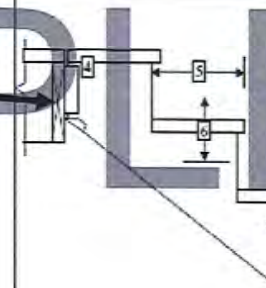
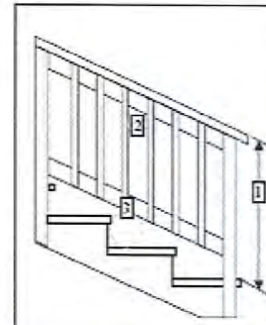
# Stair/Handrail Section Details

## Stair Section

- Stringer size and species;
- Rise and run dimension;
- Tread size and species;
- Riser size and species;
- Stringer to landing connection.



SAMPLE



## Stair and Landing Requirements

1. Stairways with a total rise of 30 inches or more above grade shall be provided with guards not less than 34 inches high measured from the tread nose.
2. Guards shall have intermediate rails spaced so that a 4-3/8 inch sphere can not pass through.
3. The triangular area formed by the treads and a horizontal bottom rail shall be built as to not allow the passage of a 6 inch sphere.
4. Attach stair stringers to the deck with metal straps or hangers.
5. Minimum tread depth is 10 inches. All treads shall be uniform in depth within 3/8 inch from the largest to the smallest. A nosing of 3/4 inch to 1-1/4 inch shall be provided on stairways with solid risers, and the nosings shall also be uniform within 3/8 of an inch from largest to smallest.
6. Maximum riser height is 7-3/4 inches. Risers shall be uniform within 3/8 inch from the largest to the smallest riser.
7. When using composite lumber for stair treads they must be installed with the specified maximum stringer spacing listed in the products testing report.
8. The grippable handrail shall be installed between 34 and 38 inches above the sloped plain formed by the tread nosings of the stairway.
9. Handrails shall be continuous the full length of the stairway and shall either terminate into a newel post or be returned into the guardrail as shown. Provide 1- 1/2 inches clearance between handrail and guard.
10. The minimum width of a stairway is 36 inches. Handrails are allowed to project up to 4-1/2 inches into the minimum allowed width.
11. The bottom of stair stringers shall be supported on a hard level surface like concrete or pavers or shall be provided with treated wood blocks to keep the stringers from sinking into the ground.
12. A level landing measuring a minimum of 36" x 36" shall be provided at the top and bottom of stairways.
13. Open risers shall be constructed as to not allow the passage of a 4 inch sphere.