



Permitting and Inspections Department
Michael A. Russell, MS, Director

Submission Guidelines for Decks

The following is a guideline of information required for the review of a building permit application for a residential deck. It is intended to help you supply proper and complete drawings and documents. Please label all of the following items on your plans. Refer to the One- and Two-Family Addition/Alteration Checklist for complete submission requirements and instructions.

- ✓ A plot plan showing all existing and proposed structures with distances to property lines and dimensions of the proposed deck platform(s) and stairs
- ✓ Additional drawings showing all of the following information:
 1. Type of foundation system
 - a. Diameter of concrete filled tube or pre-cast concrete pier size 10"
 - b. Depth below grade (minimum 4' below grade) 4' 6"
 - c. Spacing of tubes 8' spacing
 2. Posts (members supporting framing of floor system)
 - a. Wood size, type and location 6x6, Pressure treated, 8' spacing
 - b. Anchorage of post to footing Simpson 6x6 strong tie fastener
 3. Framing members
 - a. Ledger size attached to building 2x8 Ledger
 - b. Lag bolt size and spacing on ledger 1/2" spacing, 4 1/2" Ledger lock bolts
 - c. Lateral attachment to building 2x8 Pressure treated
 - d. Location and type of flashing 1/2" x 2" x 1/2" metal shield, up wall and over framing
 - e. Girder size and spans carrying floor system 2x8 - 16" O.C.
 - f. Joist size, span, spacing and hanger type 2x8 Joist hanger, span = 16' max.
 - g. Decking size 2x70's
 - h. Post connection Ledge and wood block
 4. Guardrails and handrail details
 - a. Guardrail height _____
 - b. Baluster spacing 6x2x6 Rail system
 - c. Handrail height 36"
 5. Stair details
 - a. Tread depth (measured nosing to nosing) 11"
 - b. Riser height 7"
 - c. Nosing projection of tread 1/2"
 - d. Width of stairs 42"
 - e. Landing size(s) 4' x 4'