The following is a guideline of information required for the review of a deck application. It is intended to help you supply proper and complete application packages. Please label all of the following items on your plans. Thank you!

A complete plot plan showing all structures and proposed structures with distances to all property lines labeled.

**Type of foundation system (footing depth – 48” minimum required)**
- a) Depth below grade (minimum 4” – 0” below grade)
- b) Anchorage of column to footing
- c) Spacing and location of tubes/piers
- d) If using Precast supports we will need to see spec sheet during inspection.

**Framing Members**
- a) Columns – wood size and location (members supporting framing of floor system)
- b) Ledger size attached to building
- c) Fastener size and spacing attaching ledger
- d) Girder size and spans carrying floor system
- e) Joist size, span, and spacing
- f) Joist hangers or ledger

**Guardrails and Handrails (Details)**
- a) Guardrail height (minimum of 36”)
- b) Baluster spacing (4” spacing)
- c) Handrail height (34” - 38” high from deck to top railing)
- d) Minimum clearance of 1 ½ inches between wall and handrail
- e) Circular cross section with diameter of 1 ¼ to 2 inches, or
- f) Other handrail shapes must have a perimeter of 4 inches to 6 ¼ inches and a maximum cross section of 2 ¼ inches
- g) Graspable Handrails with a perimeter greater than 6 ¼ inches must be provided with a graspable finger recess section of 2 ¼ inches

**Stair Details**
- a) Tread depth (minimum 10”)
- b) Riser height (maximum riser height 7 ¾”)
- c) Nosing on tread (3/4 minimum nosing 1 ¼” max nosing) with solid risers
- d) Width of stairs (residential not less than 36”)

*NOTES:*
- Any landing or stair that is 30” or more from grade must have guard rails and handrails
- The handrail must be continuous for the full length of the stairway from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight
- Handrail ends shall be returned back to wall or posts
- Any mobile home that is not frost protected by a full foundation or frost wall does not have to frost protect the deck
- Any landing at the top, bottom or with the flight of stairs must be a minimum of 3’ x 3’
Deck Part Identification

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<tbody>
<tr>
<td>5. Rail Post</td>
<td>10. Top Rail</td>
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**Major Deck Components**

**NOTE:** Not to scale

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Example 7-15: This illustration details the three variations of opening restriction for guards as dependent on their location.
R507.2.3

have a design capacity of 1500 pounds. See Figure.

Location on a deck. The lateral load connectors must be installed in two

Deck lateral load connectors must be installed in two decks.
To center of top plate, stud or header.
Screw predrilled w/min. 3" penetration
A fully threaded 3/8" diameter lag
Hold-down manufacturer.
2x ledger with fasteners
Approved joist hangers
Decking
Water tightness
Flashboarding for siding
Sheathing
Floor joists
This detail is applicable

NOTE

Parallels to deck joists.
Where floor joists are.

2" Min.