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

**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.

**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 # _________
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

**FOOTING CONFIGURATION**

___” x ___” x ___”

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.

### Guard/Handrails Section
- Rail and post size and species;
- Opening treatment;
- Connections/Fasteners.

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**Stair and Landing Requirements**

1. Stairways with a total rise of 50 inches or more above grade shall be provided with guards not less than 36 inches high measured from the tread nose.
2. Guards shall have intermediate rails spaced so that a 4-inch sphere can not pass through.
3. The triangular area formed by the treads and a horizontal bottom rail shall be built so as not to allow the passage of a 4-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 minimum stringer spacing listed in the product's testing report.
8. The graspable handrail shall be installed between 34 and 38 inches above the sloped portion formed by the tread nosing of the stairway.
9. Handrails shall be continuous the full length of the stairway, and shall eitherterminate in a solid post or be returned into the guardrail as shown. Provide 1 1/4 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 maximum 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 so as not to allow the passage of a 4-inch sphere.