

# Decks for 2020 Residential Codes of NYS

## Decks for 2020 code

Deck construction shall fully comply with Section R507 of the 2020 Residential Code of NYS and are subject to field inspection.

### R507.1 Decks.

Wood-framed decks shall be in accordance with this section. For decks using materials and not prescribed in this section, refer to section R301

### Deck Checklist

- Shall be positively anchored to structure
- If connection cannot be verified deck must be self-supporting (fully supported with posts)
- Designed for vertical and lateral loads
- Cantilevers must be designed for uplift forces
- Ledger bolt patterns should be staggered to eliminate structural damage and “roll”
- An acceptable method (flashing) must be installed to prevent rot and decay of ledger boards and attachment points
- All fasteners and flashing materials must be resistant to rust
- Hangers and fasteners shall be rated for use with the type of pressure treating chemicals being used. Follow manufacturers recommendations regarding the type of hardware required.
- Footings shall be a least 36 inches below grade and capable of supporting the required loads
- All applicable joist hangers, post and girder connections are installed as required and comply with approved plans
- Stairs are required to have minimum tread depth of 9 inches and a maximum riser height of 8 ¼ inches
- Guards are required on decks exceeding 30 inches above grade and shall not be less than 36 inches in height. Required guards shall not allow passage of a 4 inch sphere or more in diameter.
- Handrails shall be installed on all open sides where four or more risers exist and shall be between 34 and 38 inches.

**Note: The items listed on this sheet are common deficiencies noted during deck inspections and are not intended to list all code and structural requirements. For all code requirements see the 2020 Residential Code of NYS and your design professional.**

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## DECKS (SAMPLE)

REQUIREMENTS:

DRAW TO SCALE

- Length and width
- Distance above grade - lowest to highest
- Girder, joist and decking size
- Handrails height and balusters spacing
- Stair detail - Riser height & thread width
- Show all attachments, fasteners, hangers and flashing material

