



Orangeburg County Deck Plan Requirements

The following is a guide to help the permitting procedure for deck installation. It is a basic requirement sheet with minimum required code procedures. With the endless deck configurations which are available, this may help guide you thru the process but will not provide all the information that may be necessary.

In order to obtain a deck permit, a permit must be completed along with the site plan indicating distances from property lines. This will be the second sheet (containing an example as if you were constructing a storage building) and a blank third page that allows you to draw in your home, dimensions of intended deck, location of deck relative to home, and distances from property line. This is done to ensure that no person encroaches upon their neighbor and must be filled out for Zoning Compliance.

You must submit 2 copies of deck construction drawings (hand drawn is fine) that incorporate the following information to confirm code compliance:

- ✓ Overall plan view of deck with outside dimensions on deck (draw as if looking down on deck from above)
- ✓ Floor System-
 - Vertical support post size and spacing shown on plan.
 - Girder size and span
 - Floor joist, Rim joist, Ledger board – size, length, and spacing. Attachment procedures for all of the above. See attached details.
- ✓ Deck rail, Guards, and stairs.
 - Height and type of rail
 - Guard material and spacing
 - Stairs stringers require attachment the same as a floor joist with a min. of 1 ½” bearing point on either wood or metal.

If a roof is installed over the deck or portion thereof, please provide the following:

- ✓ Size, height, and spacing of vertical support
- ✓ Rafter size, spacing, and length
- ✓ Header size and length between vertical support
- ✓ Is a ceiling being installed? If so, what type?
- ✓ Type of roof being installed and at what slope

The details below may help guide you with language that is utilized within the construction trade.

If you have any questions, please contact the plans examiner at 803-533-6173

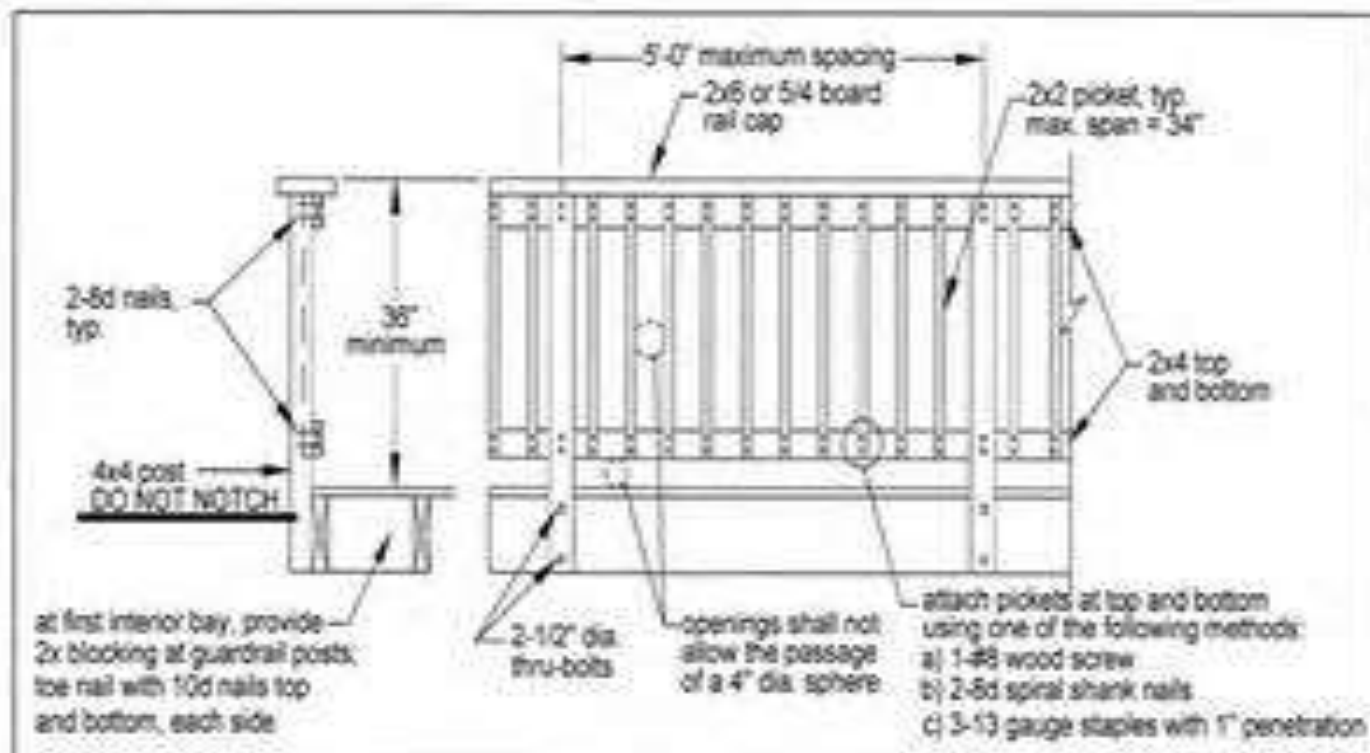
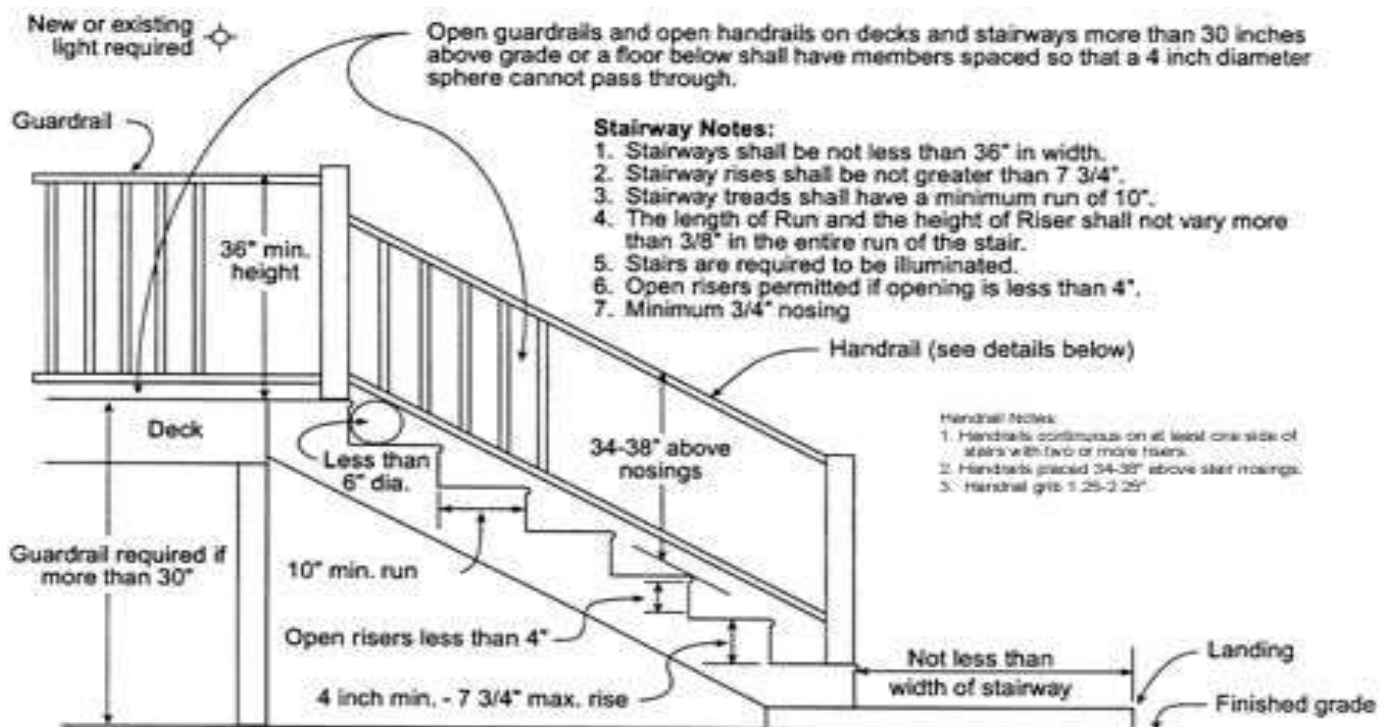
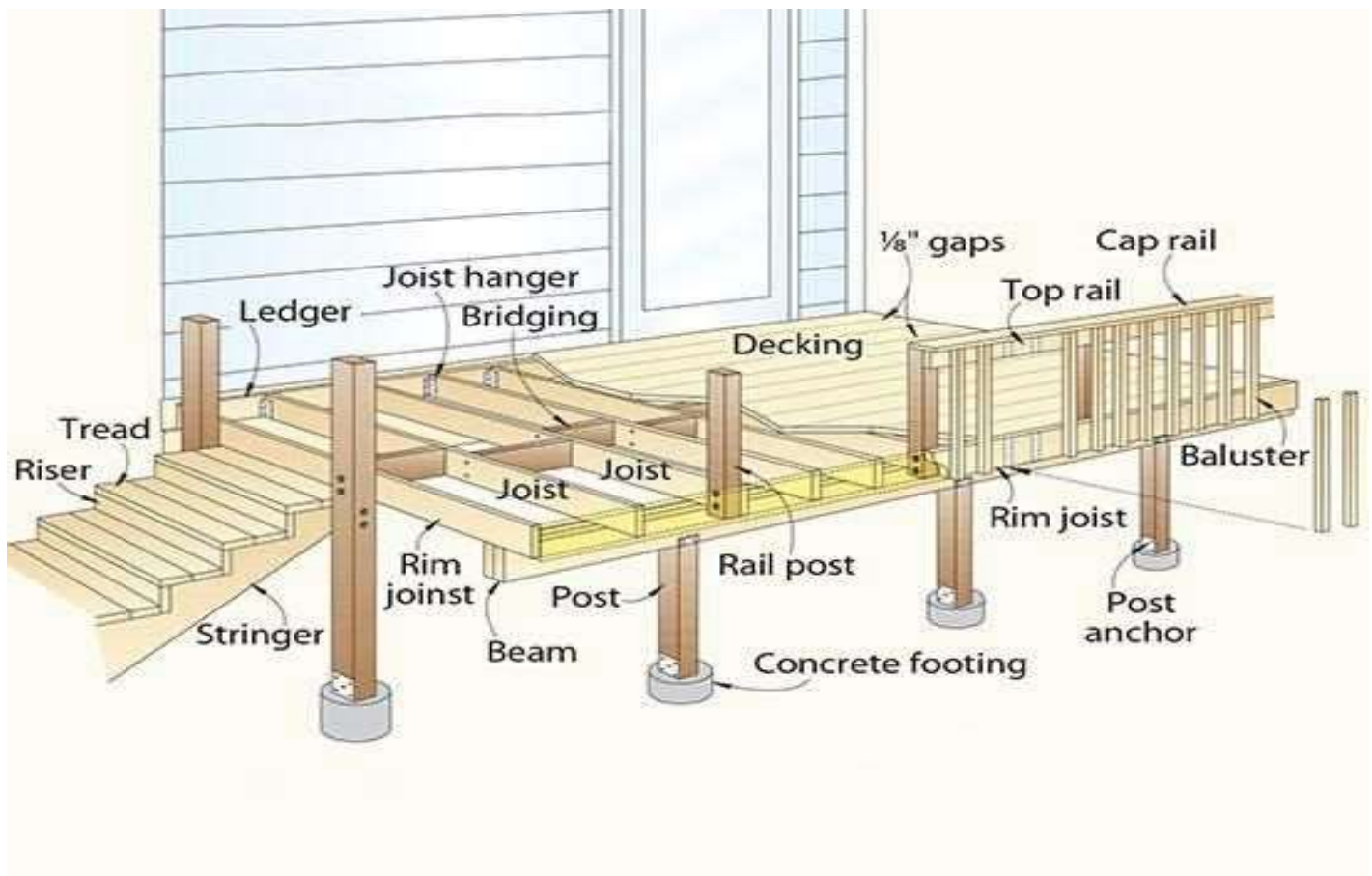
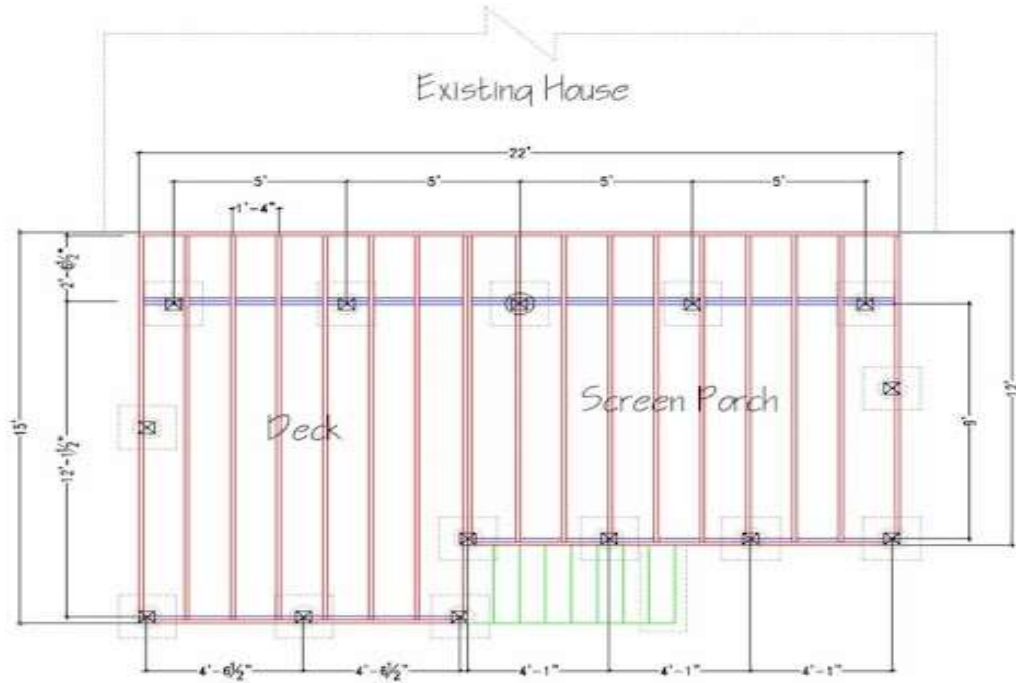
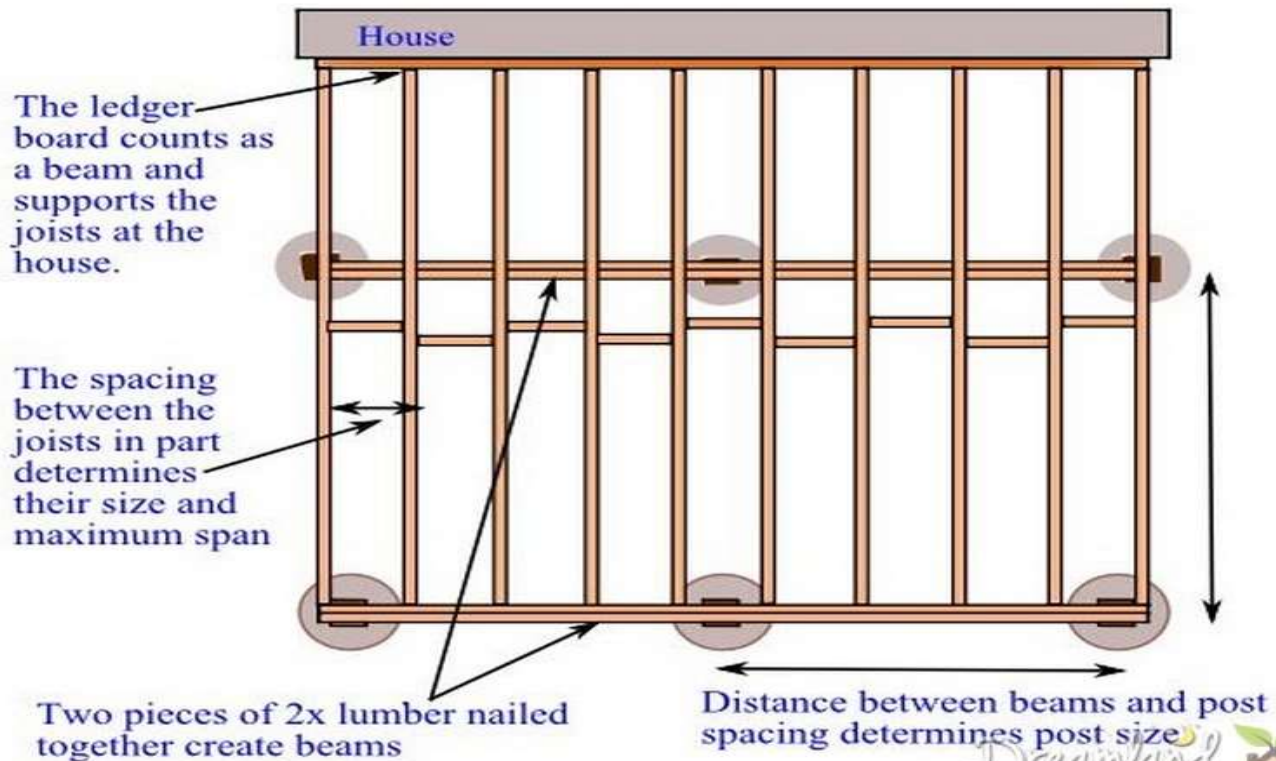


FIGURE 24: TYPICAL GUARDRAIL DETAIL

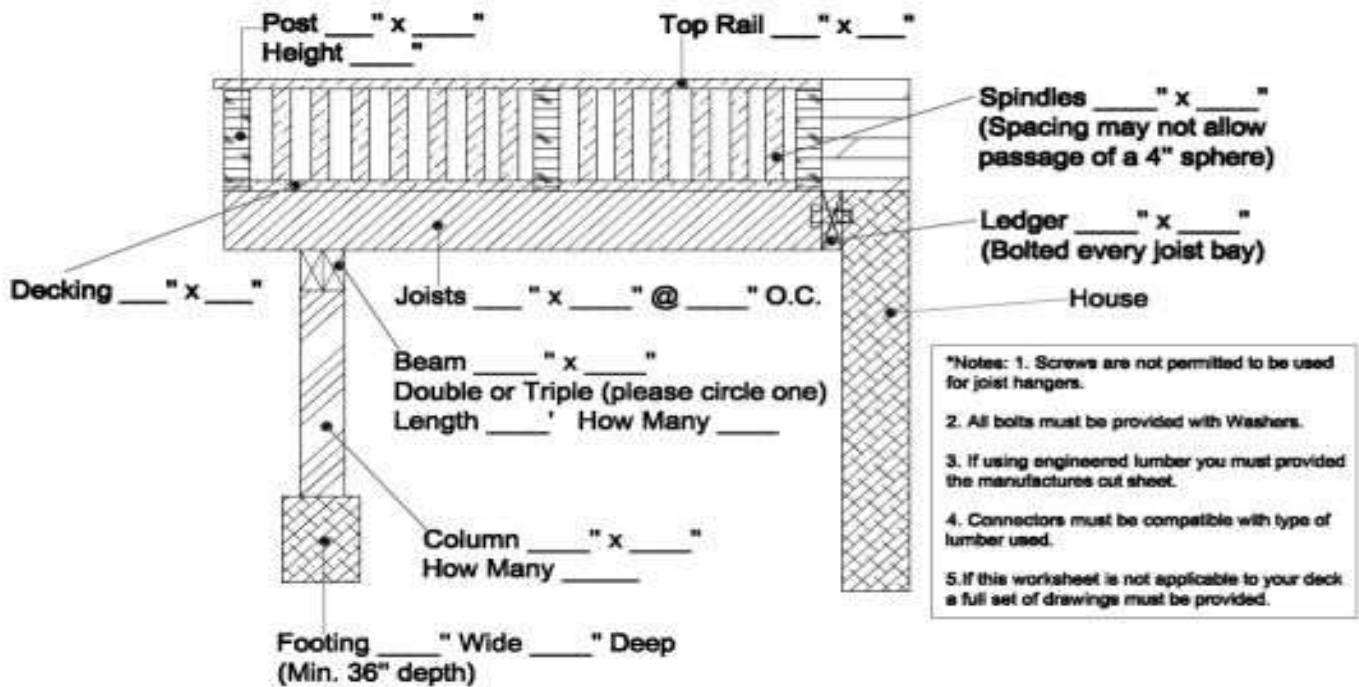


Joist Framing

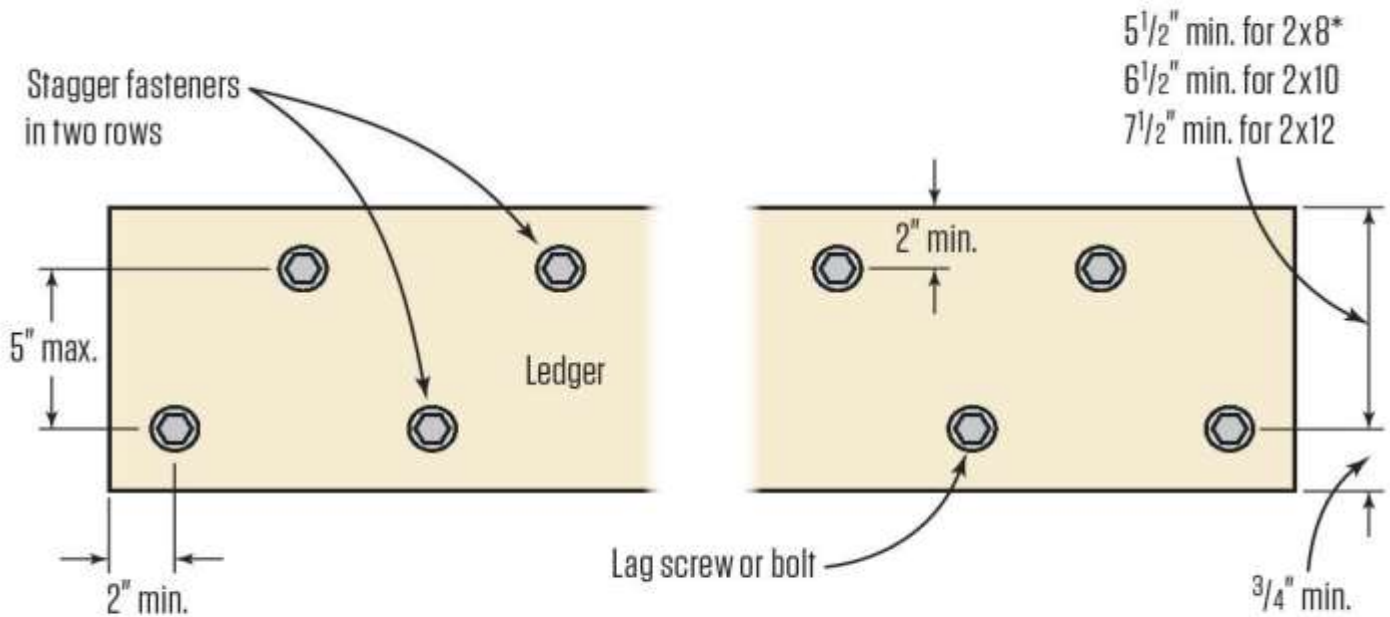
Top View Looking Down



Typical Deck Worksheet

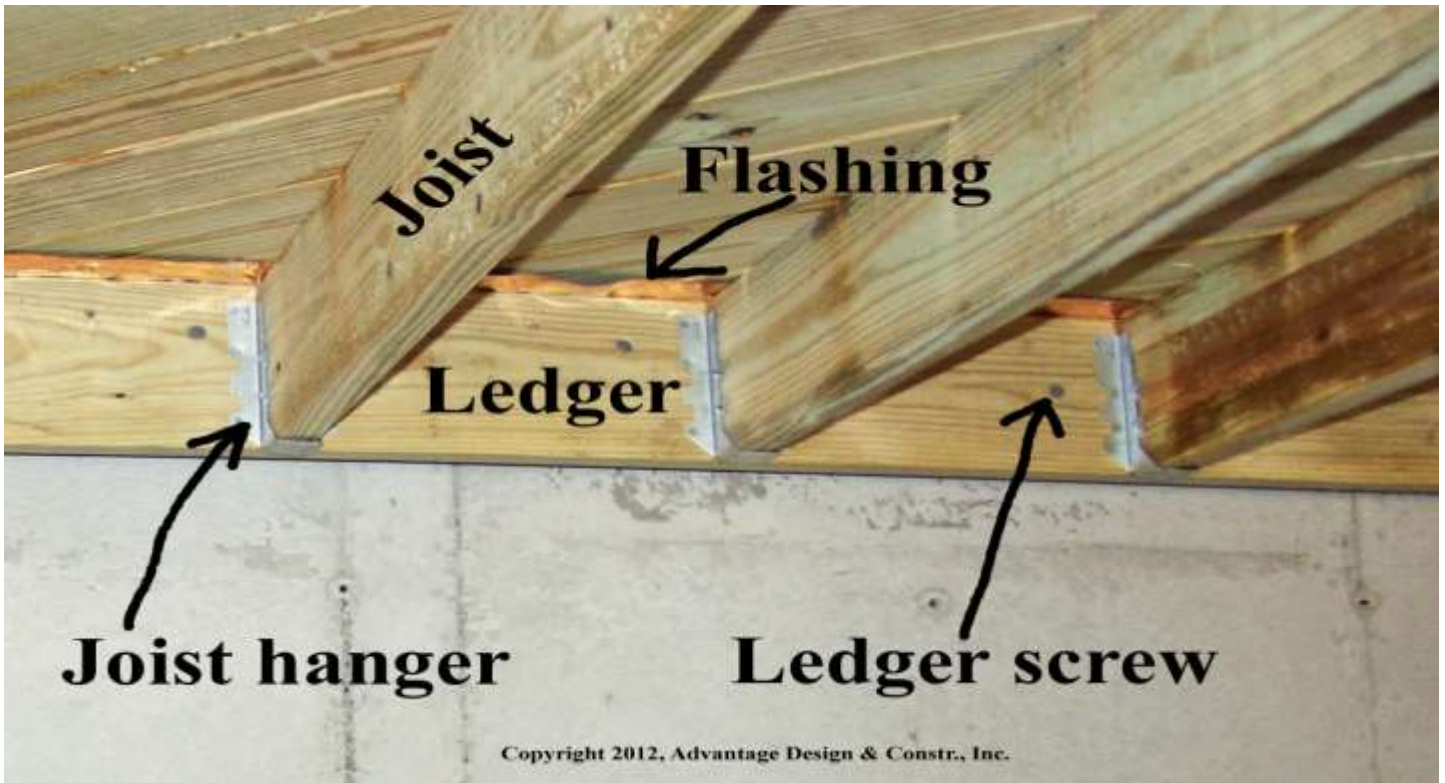


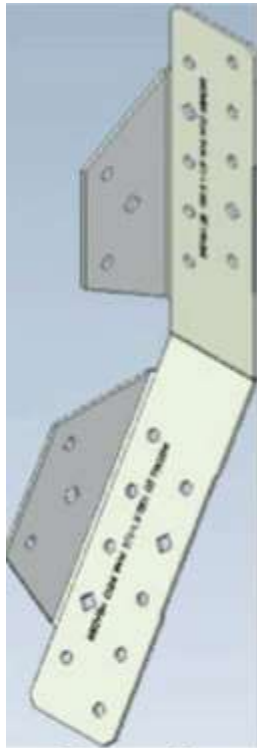
Placement of Lag Screws and Bolts in Ledgers



* Distance can be reduced to 4 1/2" if lag screws are used or bolt spacing is reduced to that of lag screws to attach 2x8 ledgers to 2x8 band joists.

Minimum of 1/2" Lag Screws or bolt long enough to penetrate ledger board and band board of home. Spacing from end no more than 5" max. from edge, then 16" on center.





Correct



Deck collapse caused by failure at ledgerboard

