## **Beams Posts By Finn Home Inspections**

Beam support must bear on the columns, not depend on nails or bolts to bear the load. With just fasteners, nails or bolts, all the load is on the fasteners which have much less capacity to transfer load. Also, with exterior applications like on decks, the wood is pressure treated and gets wet, so the fasteners corrode and become much weaker. Much of the corrosion is in areas that you cannot even see.

Below see figures on how to improperly and how to properly support a beam.

When the column is about same width as the beam metal brackets are recommended as seen in the lower diagrams below. For existing structures steel brackets are made to secure the beam to the posts, bottom right figure.



