

# Fasteners and Connectors

## General Guidelines

- Fasteners used with CA-C or CA-B treated wood must be hot-dipped, zinc-coated galvanized steel in accordance with ASTM A153, type 304 or 316 stainless steel, silicon bronze or copper.
- Connectors used for CA-C or CA-B treated wood as a minimum must be manufactured from steel either hot-dipped galvanized in accordance with ASTM A653, G185 designation; or hot dipped galvanized after manufacture in accordance with ASTM A123.
- For Permanent Wood Foundations and corrosive environments, such as Coastal areas with saltwater spray, use code approved stainless steel fasteners and connectors with CA-C and CA-B treated wood.
- Fasteners and connectors used together must be of the same metallic composition to avoid galvanic corrosion; for example, use hot-dip galvanized nails with hot-dip galvanized joist hangers, and stainless-steel nails with stainless-steel joist hangers.
- Aluminum fasteners and aluminum building products (e.g. window and door trim, flashing, siding, roofing, and gutters) should not be placed in direct contact with wood products treated with CA-C or CA-B without a building code approved membrane used between the fasteners and treated wood.
- Electroplated galvanized fasteners and connectors are typically not accepted for use in exterior applications, regardless of the preservative system.
- Other coatings or metal products may be available so follow the hardware manufacturers' recommendations for compatibility with CA-C and CA-B treated wood.

