



CITY OF PERRIS

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Pressure-Preservative Treated Wood Fastener Requirements 2022 California Building Code

- Section 2304.10.6.1 Of the 2022 California Building Code (CBC) indicates that fasteners, including nuts and washers and connectors in contact with the pressure-preservative treated wood shall be of hot-dipped zinc coated galvanized, stainless steel, silicon bronze or copper. ***Stainless steel driven fasteners shall be in accordance with the material equipment requirements of ASTM A653.***
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- There is a concern in the building industry regarding the use of galvanized fasteners and connectors with the new pressure treated wood products. The chemicals used in these products are known to be more corrosive than those previously used for treatment. In some cases, the rate of corrosion has increased significantly, and the fasteners or connectors have failed. These failures have occurred in wet or damp locations.
- The CBC does not specify a standard for protecting galvanized fasteners and connectors. When installing these products use the fasteners and connectors recommended by the treated wood manufacturer. ***Stables shall be of stainless steel.***
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- Fasteners other than nails, timber rivets, wood screws and lag screws shall be permitted to be of mechanically deposited zinc-coated steel with coating weights in accordance with ASTM B695 Class 55 minimum. Connectors that are used in exterior applications and in contact with preservative-treated wood shall have coating types and weights in accordance with the treated wood connector manufacturer's recommendations or at a minimum of ASTM A653, Type G185 zinc-coated galvanized steel, or equivalent.