











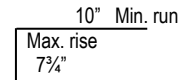
## SUBMISSION CHECKLIST FOR DECK PERMIT

The complete application should include the following:

- Completed application form *Single Family & Duplex Accessory Structures* (DECK)
- A copy of your site plat of survey indicating location of new deck. INDICATE LOCATION OF ALL BASEMENT EGRESS WINDOWS.
- Plan drawings (two sets)

Legible, min. 1/4" /per foot scaled plans are to include:

- Overall deck size and layout
- Carrying Beam sizes and location
- Support Post size, locations and spacing
- Depth and diameter of support piers (min. 42")
- Indicate approximate height of deck above grade (over 30" requires minimum 36" guardrail)
- Indicate if deck will be skirted or enclosed
- Joist size and spacing
- Joist connection to ledger and beam
- Ledger attachment to house
- Stair detail (max. step riser is 7 3/4" min. cut of tread is 10" plus nosing)
- Nail, hanger and bolt information (must be high zinc coated galvanized or stainless steel)
- Size and spacing of guardrail pickets (max. spaces between balusters is 4")
- Type of wood (eg., pressure treated, Cedar or other approved exterior grade material)



**Notes: Although Homeowners' Association or Condo. Association approval is not a city requirement, you may need to obtain their approval.**

**All deck material to be of a pressure treated or cedar or plastic composite materials. All fasteners and connectors to be approved for exterior and direct contact with treated wood. DO NOT USE SCREWS IN HANGERS.**

*For additional help on deck design and building, check out <http://www.doityourself.com/diy/deckbuilding.htm>*

# Corrosion resistance recommendations for fasteners and connectors in use with pressure treated wood.

## CHEMICAL CHANGES IN PRESSURE-TREATED WOODS.

Pressure-treated wood is a building material most commonly used in decks, fences and homes to protect against insects and fungal decay. For a number of years ***Chromated Copper Arsenate (CCA-C)*** has been the primary chemical treatment used in pressure-treated wood. Recently, the treated wood industry voluntarily decided to phase out CCA-C pressure-treated wood for residential and general consumer use due to the negative publicity focused on the use of arsenic in CCA-C. As of December 31, 2003, CCA-C will no longer be produced for residential or general consumer use.

## NEW PRESSURE-TREATED WOOD CHEMICALS ARE MORE CORROSIVE TO STEEL

Several new pressure-treated wood alternatives have been created to replace CCA-C. Some of these are known as ***Natural Select Wood(CA-B)*** , ***Nature Wood (ACQ)*** , ***Preserve and Preserve Plus (ACQ)*** and ***Envirosafe Plus (SBX)***. Although most of the new treatments no longer contain arsenic, many of the new preservatives are generally more corrosive to steel connectors, anchors and fasteners. Therefore;

1. **Fasteners are to be hot-dipped galvanized (meeting ASTM A 153)**
  - a. *New products continue to be introduced which are specifically designed to work with the new wood treatments such as Bostitch brand “**Thickcoat**”<sup>™</sup> and Pasload’s “**TLN**”<sup>®</sup> (treated lumber nails). Please consult with the individual fastener or hardware manufacturer for recommendations for use of their products with these new pressure treated woods.*
  - b. *For optimum performance or in Permanent Wood Foundations, use 304 or 316 stainless steel fasteners.*
  - c. *Do not use screws when securing hangers.*
2. **Connectors meeting ASTM A 653 Class G185 galvanizing requirements.**
  - a. Recommended Simpson connectors: Zmax series (G185) indicated by a “Z” after the product number. Hot-Dip Galvanized series indicated by “HDG” after the product number.
  - b. Recommended USP connectors: Triple Zinc series (G185) indicated by “TZ” after the product number. Hot-Dip Galvanized series indicated by “HDG” after the product number.
  - c. Stainless Steel series indicated by “SS” after the product number.

NOTE: OTHER TYPES OF CONNECTORS COATED WITH PROPRIETARY ANTI-CORROSION TECHNOLOGIES ARE ALSO AVAILABLE FOR USE WITH TREATED WOOD. PLEASE CONSULT INDIVIDUAL MANUFACTURER’S RECOMMENDATIONS FOR USE WITH THESE NEW WOOD TREATMENTS.

3. **Flashing.** Should be galvanized, copper or flexible membrane material. Aluminum should not be used in direct contact with this wood as it will corrode very quickly in when in direct contact with treated wood.

For further information in regard to corrosion issues, please visit these websites:

<a href="http://www.naturalselect.com">www.naturalselect.com</a>	<a href="http://www.preservedwood.com">www.preservedwood.com</a>
<a href="http://www.osmose.com">www.osmose.com</a>	<a href="http://www.strongtie.com">www.strongtie.com</a>
<a href="http://www.uspconnectors.com">www.uspconnectors.com</a>	<a href="http://www.treatedwood.com">www.treatedwood.com</a>
<a href="http://www.eswoodtreatment.com">www.eswoodtreatment.com</a>	<a href="http://www.paslode.com">www.paslode.com</a>
<a href="http://www.senco.com">www.senco.com</a>	<a href="http://www.bostitch.com">www.bostitch.com</a>