



TECHNICAL BULLETIN

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

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B-11

Corrosion of Fasteners

INTRODUCTION

Premature failure of fasteners for wood siding, shakes and shingles in the Coastal environment of western Sonoma County is a problem. The western Sonoma County area is approximately defined by a line extending from Mendocino County to Marin County and roughly parallel to the Bohemian Highway intersections of Highway 12 (Bodega Hwy) and Hwy 116.

To reduce the likelihood and frequency of premature failure, all fasteners used in this area shall be corrosion resistant. This is consistent with current code requirements and the recommendations from the Red Cedar and Handsplit Shake Bureau.

TECHNICAL DETAILS

Only the following types of fasteners (nails, staples, screws, and bolts) may be used:

1. Hot-Dipped Galvanized (Post-fabrication)
2. Stainless Steel
3. Aluminum Alloy
4. GI85 Galvanized (Pre Fabrication)

GLOSSARY

Corrosion Resistant - a nonferrous metal or any metal having an unbroken surface of nonferrous metal or steel with not less than 10 percent chromium or with not less than 0.20 percent copper.

REFERENCES

ASTM Standard A-219, A-239, A123, A653
2007 California Building Code, Table 2304.9.1, footnotes h and i
2007 California Building Code, Table 2308.9.3(5), footnote a
Sonoma County Residential Construction Handbook, Section 8