



## **Custom Rail Newel Installation Instructions**

Custom Rail's aluminum newel sleeve is tremendously strong. It was designed to pass code testing easily and with a safety factor of more than 250%.

### **Concrete**

Carefully measure for proper placement of mounting brackets. Using a bracket as a pattern, lay out the hole location on floor and drill holes for anchoring bolts. The side of the bracket with 5 screws should be inside of porch deck or balcony to develop proper strength. To install anchors, drill ½" holes 4" deep into concrete. Screw nuts onto bolt head until end of bolt is almost flush with topside of nut. Place in hole through newel anchor plate and tap into concrete as far as it will go. Repeat on all bolts. Tighten securely.

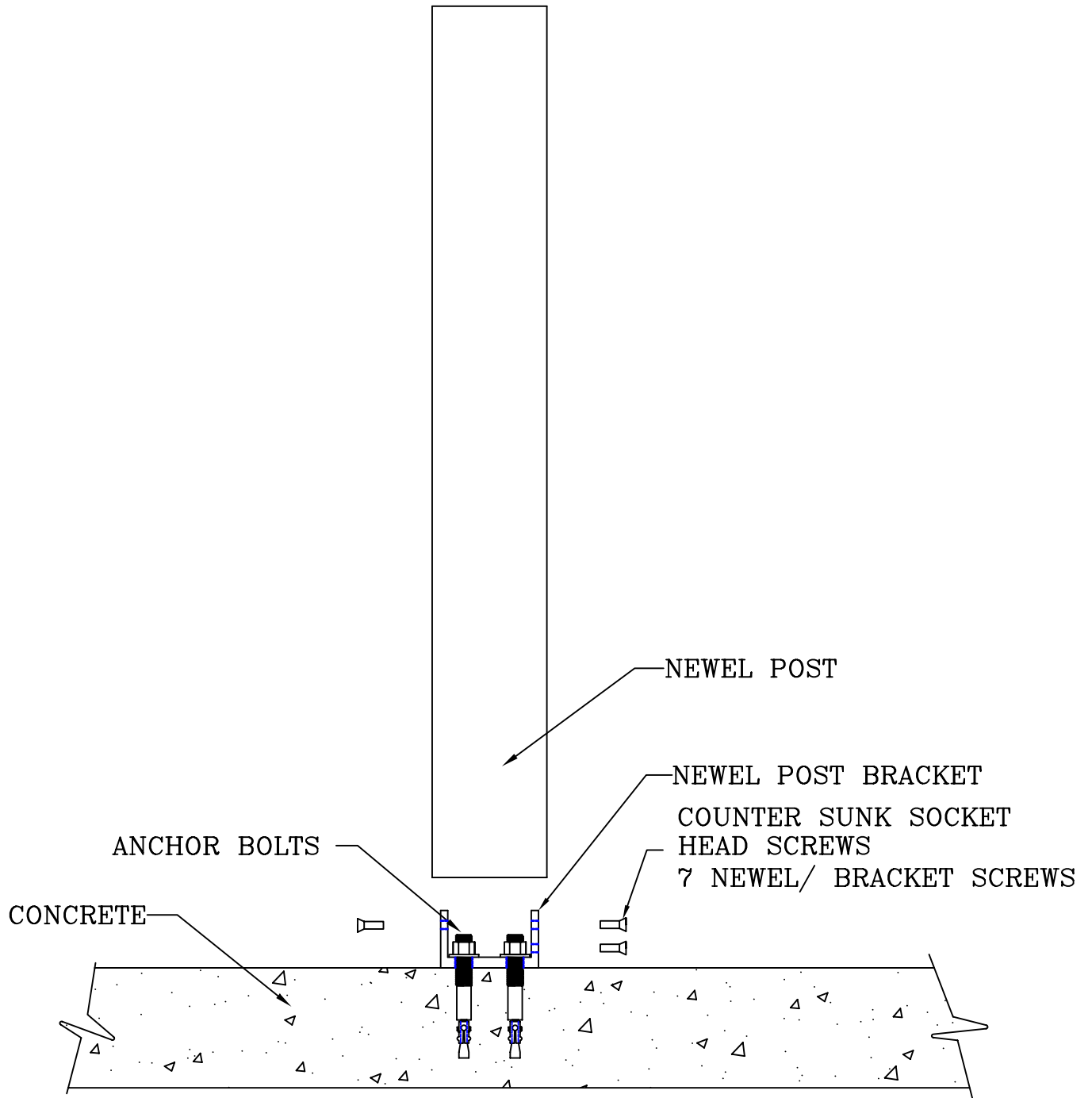
Install aluminum column with flat head screws provided, place PVC sleeve over aluminum and install rail. (See Diagram)

### **Wood**

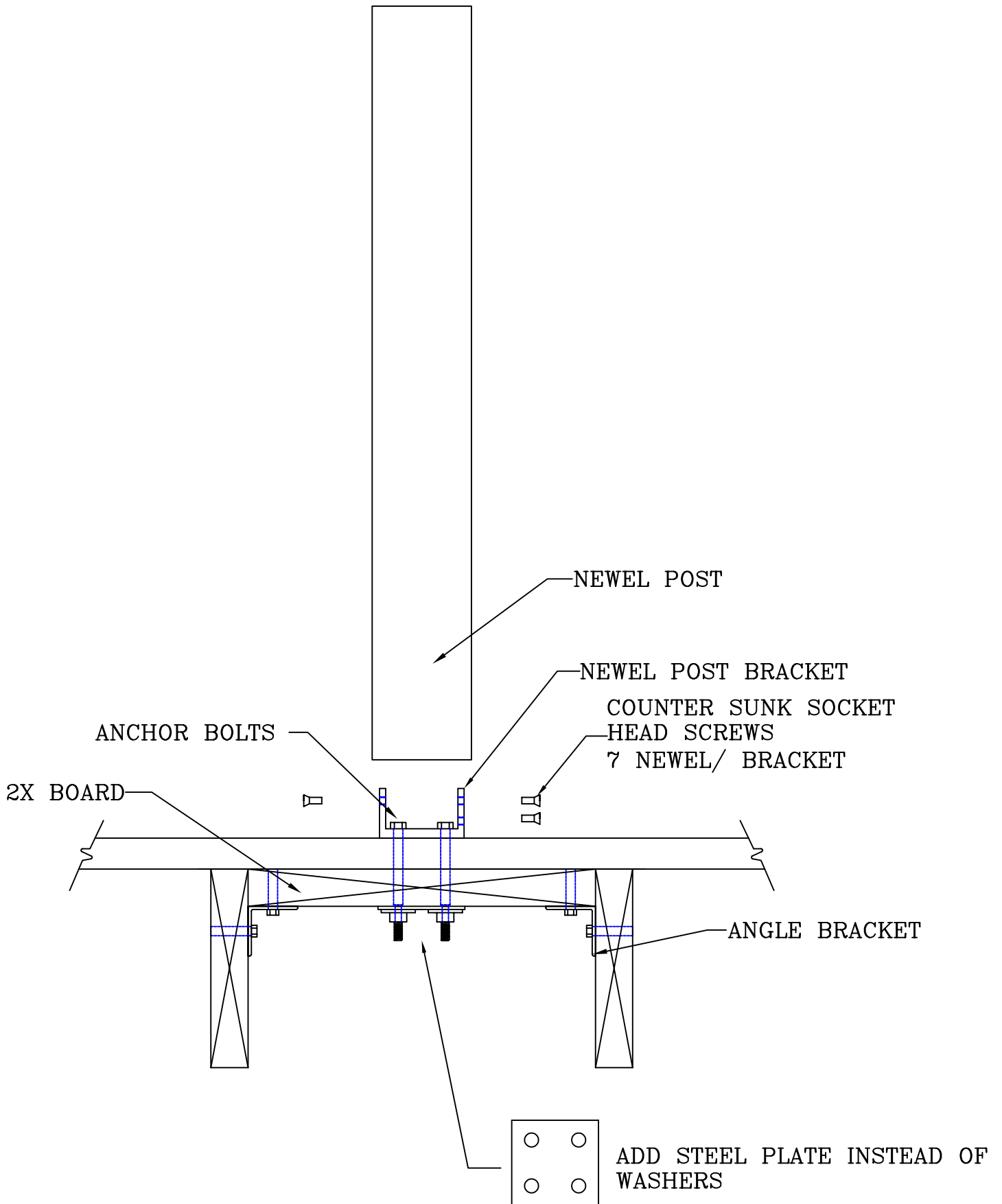
It is very difficult to give instructions for a wood floor installation because construction varies greatly. Custom Rail provides bolts with large washers as well as large angle brackets that are to be installed under flooring.

We recommend additional plating be added directly under flooring under newel. Through bolting is the only way we know of meeting code strength standards in wood application. (See Diagram)

# CONCRETE INSTALLATION



# WOOD DECK INSTALLATION





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