

Post Attachment Appendix

Surface Mounting Posts to Reduced Thickness Framing

(Such as sleepers over a membrane roof. See Diagram 6.)

This is a reduced safety factor installation with a safety factor of 2.75 instead of the standard 4.0 based upon a 200lb lateral load on the handrail.

The substructure must be very secure. A special order post is needed with a large area foot plate (5/16" thick x 5" x 7" with 6 holes). All (6) holes must be populated. Use (6) fasteners (5/16" x 2 1/2" screws) at least 2 1/2" in length. Use longer screws if framing material will allow. **Maximum handrail height for this method is 36". Posts must be steel or stainless steel. Aluminum is not acceptable.**

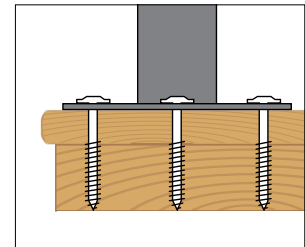


Diagram 6

Standard Side Mount Post

Mounting with Screws (See Diagram 7a.)

(4) fasteners (5/16" x 6" screws) must be used at full depth into triple 2x8 or equivalent. The side mount plate holes are slotted to allow for vertical adjustment of posts.

Mounting with Bolts (See Diagram 7b.)

(4) fasteners (3/8" carriage bolts) must be used through face with thick large area washers under the nuts. The minimum framing material required is a double 2x8.

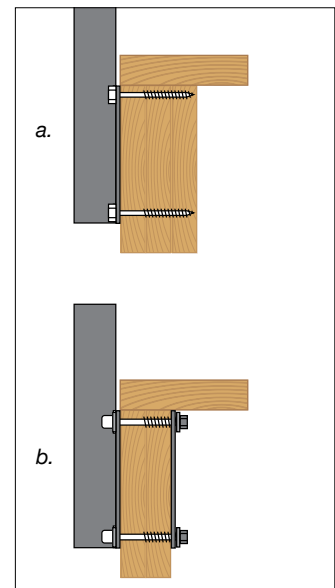


Diagram 7

All Side Mount Posts require a rear mounting plate when mounting with bolts.

Slim Side Mount Posts

Mounting with Screws (included with Post)

(2) fasteners (modified 3/8" coated steel screws, not for coastal use) must be used into framing material; minimum is triple 2x8. Pre-drill holes to avoid splitting wood.

Mounting with Bolts (included with Post)

(2) fasteners (5/16" x 4" stainless steel socket head bolts) must be used with rear mounting plate to prevent bolts from pulling through. Minimum framing material is a double 2x8.

Side Mount Bump Out Posts

Mounting with Screws (included with Post) (See Diagram 7.1)

(2) wood screws hold mounting block, (2) fasteners (modified 3/8" coated steel screws, not for coastal use) must be used into framing material; minimum is triple 2x8. Pre-drill holes to avoid splitting wood.

Mounting with Bolts (included with Post) (See Diagram 7.2)

(2) wood screws hold mounting block (2) fasteners (5/16" x 4" stainless steel socket head bolts) must be used with rear mounting plate to prevent bolts from pulling through. Minimum framing material is a double 2x8.

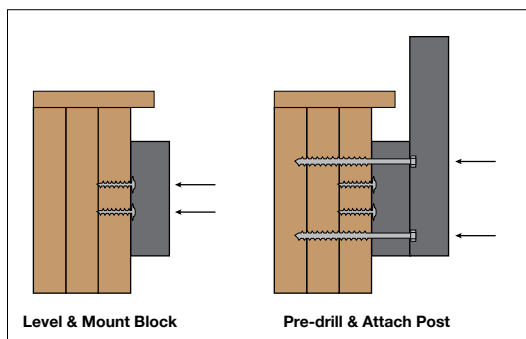


Diagram 7.1

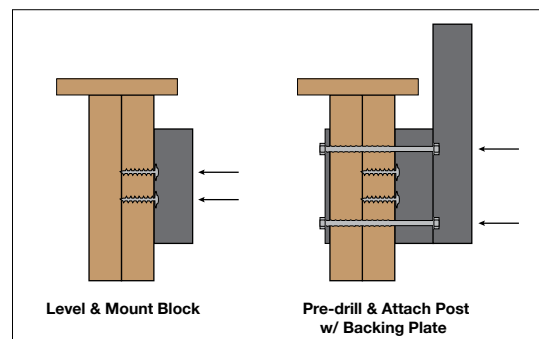


Diagram 7.2