

Tools and Items Needed

- Drill/power screwdriver
- Carpenter's pencil
- Miter or circular saw with carbide tip blade
- Safety glasses/goggles
- Tape measure

4x4 Post Anchor Installation Instructions

For residential use only. The 4x4 post anchor is designed for use with #2 Southern Yellow Pine or better. Do not use for guard rail taller than 36" from walking surface.

Pre-drill all screw holes for best results. Failure to pre-drill may lead to splitting of the wood. Do not use an impact driver to drive screws in. A drill with an adjustable clutch will prevent overdriving the screws which could damage the anchor.

Step 1 Cut wood post to desired length. *Note: Remove an additional 5/8" from the post to allow for the thickness of the post anchor.*

Step 2 Insert post into anchor. Shim as necessary to achieve plumb post. Pre-drill through the corner holes. Use (4) #12 x 2.5" exterior construction screws (A) to attach the anchor to the 4x4. Do not overdrive screws. Turn the post over. (fig. 1)

Step 3 Pre-drill through the three angled holes on the side. Attach to anchor using (3) #14 x 3.5" exterior construction screws (B). (fig. 2) Do not overdrive screws.

Step 4 For installation on a wood deck, use a minimum (4) 5/16x4" lag screws (C) or longer, with washers. Position the post anchor so the fastener will go into a joist if possible, and make sure the decking is firmly attached to the joist at the location of the posts. The side of the post anchor with three screws must be oriented towards the deck area. (fig. 3) Corner posts must have two top rails securely attached to the corner post with brackets, to add rigidity to the rail system.

To mount to concrete, use four concrete anchors (5/16" diameter minimum) installed per the hardware manufacturer's requirements. (Hardware not supplied with Post Anchor)

If necessary, use wood blocking securely attached to the joist structure as reinforcement underneath the decking where the posts are located. Screws must be lagged into at least 3" of solid wood. Fasteners that hold the post anchor to the surface must be secured to joists or reinforcement blocking, not just the decking. 5/4" or 1 1/2" deck boards do not provide sufficient material for a safe installation.

Step 5 Attach the post in position. *Note: Post Mount is designed to work with 2x4 brackets. The brackets nest into the Post Mount to center the bottom rail and space it 3" from surface of deck. (fig. 4)*

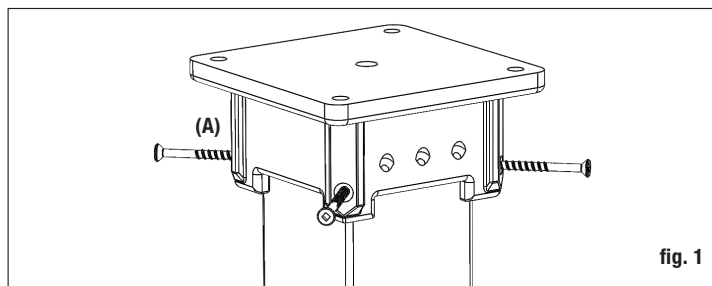


fig. 1

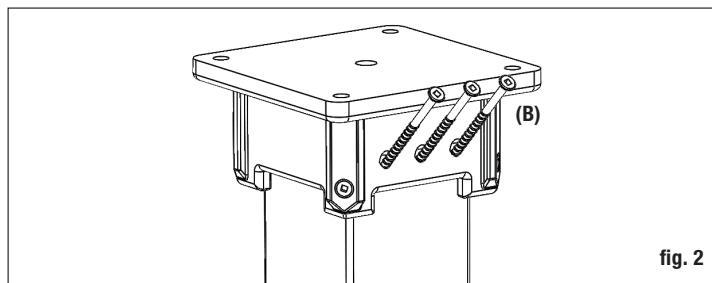


fig. 2

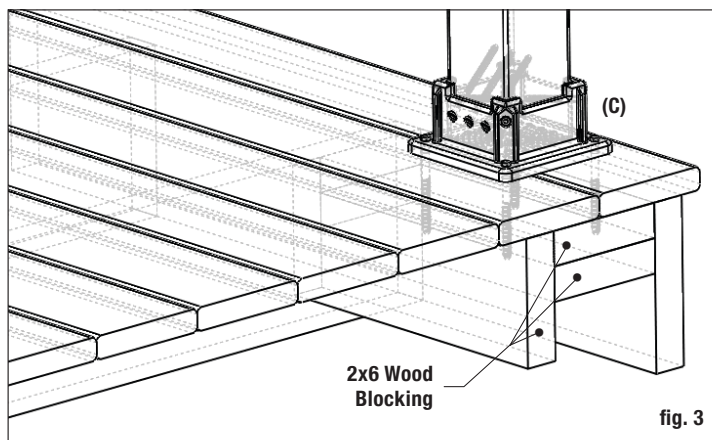


fig. 3

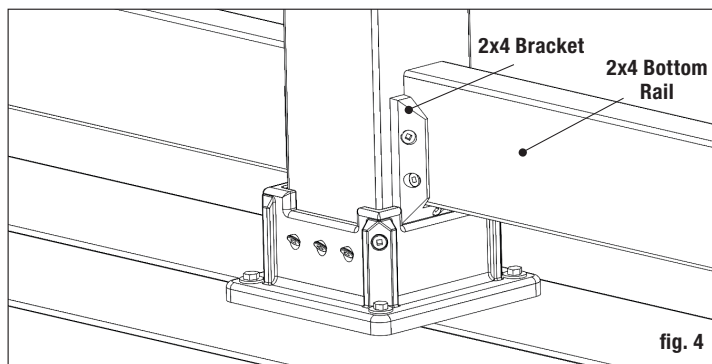


fig. 4

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