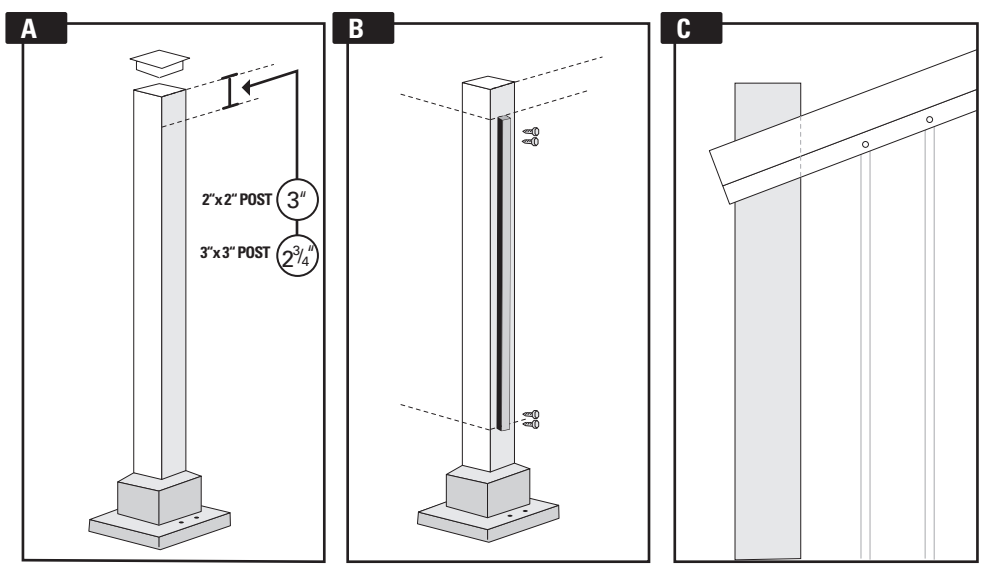
Custom Mounting Bracket Installation Using Universal Post

Imperial Manufacturing Group®
Imperial Manufacturing Group
40 Industrial Park Street
Richibucto, NB E4W 4A4
Tel.: (506) 523-9117
Fax: (506) 523-9024
www.imperialgroup.ca

MANUFACTURING FACILITIES: RICHIBUCTO, NB | DIEPPE, NB | DARTMOUTH, NS | MONTREAL, QC | OAKVILLE, ON | ALTON, IL

FOR PRE-ASSEMBLED POST MOUNTING SPINDLE (PMS)

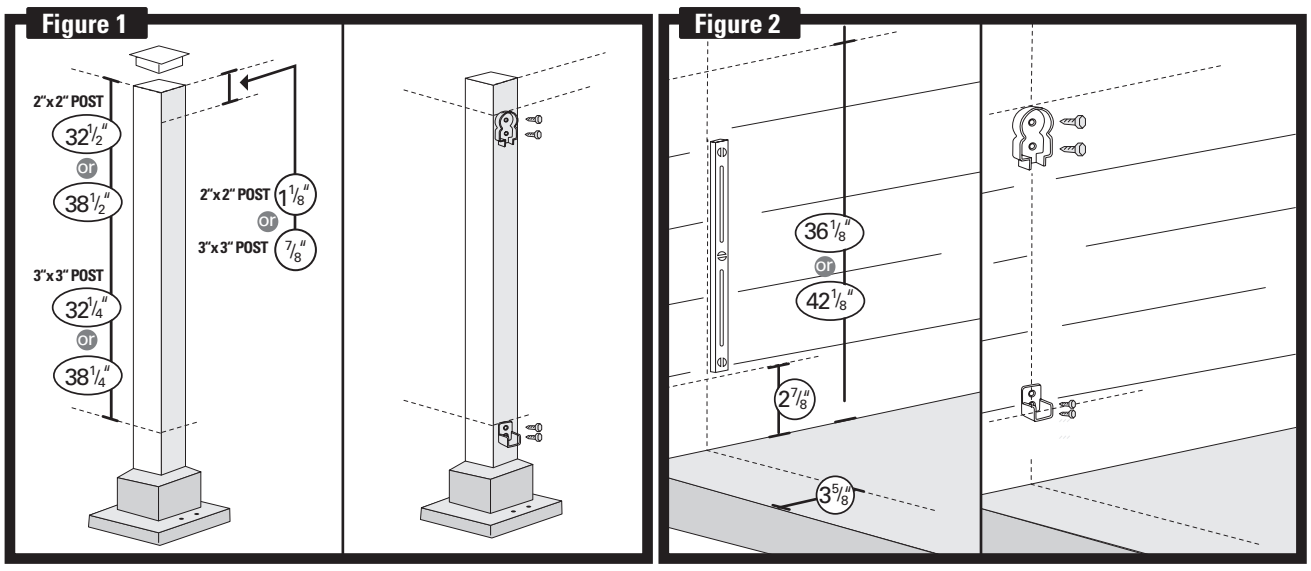


A FOR HORIZONTAL RAILING APPLICATIONS
- Measure down 3" (for 2"x2" universal post) or 2-3/4" (for 3"x3" universal post) from top of post and mark with horizontal line. This determines the position of the top of the mounting spindle.

B FOR HORIZONTAL RAILING APPLICATIONS
- Align the top part of the mounting spindle to the horizontal lines marked on post. Center mounting spindle by measuring an equal distance between left and right sides of post.
- Mark first hole, drill, and secure spindle with screw. Level spindle, mark next hole, drill, and secure. Do the same for the rest of screws.

C FOR STAIR RAIL APPLICATIONS
- The position of the fitting varies depending on the degree of the stairs. You must place the railing and fitting at the height wanted and mark with a pencil the installation height at the bottom of the fitting.
- Place the fitting against the pencil mark, center same and make holes with a 1/8" drill.
- You can now fasten the spindle fitting to the post.

FOR READY-TO-ASSEMBLE STRAIGHT MOUNTING BRACKET (SMB)



- Measure down 1-1/8" (for 2" x 2" universal post) or 7/8" (for 3" x 3" universal post) from top of post and mark with horizontal line. This determines the position of the top of the upper bracket.

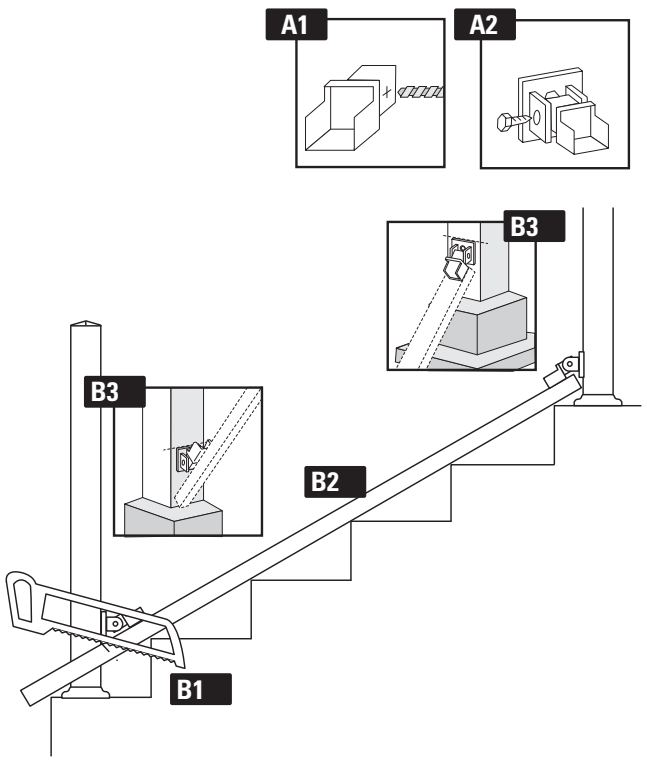
- **For 2"x2" Universal Posts** - Measure down from the top of the post 32-1/2" for 36" high railing and 38-1/2" for 42" high railing.
- **For 3"x3" Universal Posts** - Measure down from the top of the post 32-1/4" for 36" high railing and 38-1/4" for 42" high railing
- At the measuments specific to your application, mark with a horizontal line. This determines the position of the top of the lower bracket.

- Align the upper and lower brackets to the horizontal lines marked as indicated. Center brackets by measuring an equal distance between left and right sides of post.

- Secure upper and lower brackets with screws.

- To mount brackets to a wall, follow instructions shown in figure 2

FOR READY-TO-ASSEMBLE ANGULAR MOUNTING BRACKETS (AMB)



(AMB) WILL ACCOMMODATE ANY STAIR ANGLE OR INCLINE

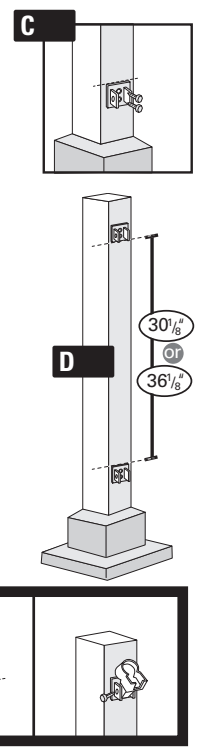
Installing lower (AMB) on posts

Temporarily assemble lower Angular Mounting Brackets (AMB):

A1. Drill pilot hole into lower bracket using ("+") sign on (AMB) as guide.
A2. Secure loosely with (1) screw.

B. Positioning lower (AMB) to top and bottom stair posts:

B1. Following the angle of the stair treads, measure distance between top and bottom stair posts and cut the bottom rail to fit between posts.
B2. Using the bottom rail as a straight edge, lay rail on stair treads between top and bottom stair posts.
B3. Position temporarily assembled lower bracket on top of rail against both top and bottom stair posts and mark positions.



C. Securing lower (AMB) to top and bottom stair posts:

- Disassemble temporarily assembled lower (AMB).
- Align the top of the lower (AMB) to the measured mark and secure to top post with screws.
- Remove bottom stair post, align the top of the lower(AMB) to the measured mark and secure to bottom post with screws.
- Re-install bottom stair post and secure loosely to stepwith (2) fasteners only.

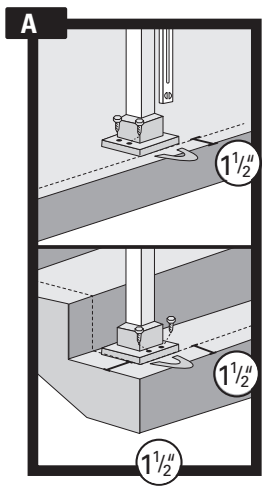
D. Measuring and positioning upper (AMB) to topand bottom stair posts:

Classica Series - Measure and mark (30-1/8" for 36" railing) and (36-1/8" for 42" railing)
Elite Series - Measure and mark (27-1/8" for 36" railing) and (33-1/8" for 42" railing)

E. Securing upper (AMB) to top and bottom

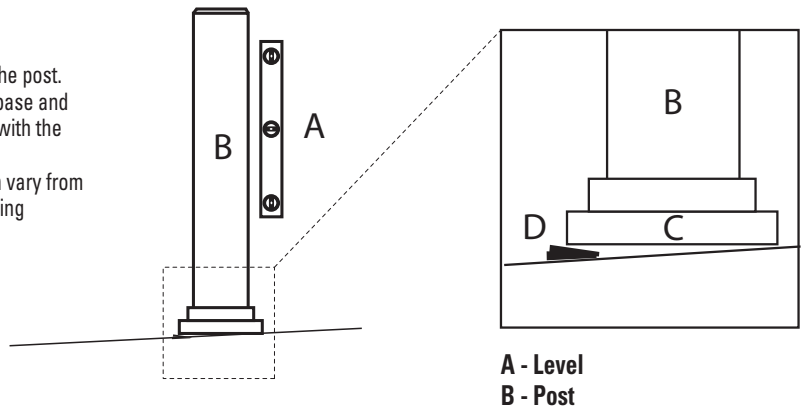
Align the bottom of the upper (AMB) to the measured mark on the top and bottom post. Assemble (AMB)and secure with screws.

POST POSITIONING & LEVELING



- Place posts at desired locations on stairs & deck.
- Position stair posts with their bases (1-1/2") from front edge of step and (1-1/2") from the side of the step.
- Level the post with shims (optional).
- Secure post to deck.

B **Aluminum Shimes**
- Place the level on the side of the post.
- Insert the shims between the base and the floor until the post is level with the floor.
- The number of shims used can vary from one project to another depending on the angle of the floor



A - Level
B - Post
C - Base
D - Shim