**STEP 4 | STAIR PICKET INSTALLATION**

Starting at one end of a section, snap spacers over openings of top and bottom rail (use rubber mallet if necessary). Install picket as per Fig. 7 and repeat procedure until last 4 pickets are left. Install remaining pickets as a group (without spacers in between). Spread out and snap in remaining spacers.

**NOTE:** The last spacer will likely have to be cut to size. Picket Spacings should not exceed 4”.

![Fig. 7](image)

**STEP 5 | HANDRAIL**

Mount handrail brackets 29” above the edge of stair to the bottom edge of the bracket. Brackets should be spaced no more than 48” apart. Attach handrail pipe using small screws provided. Handrail pipe should start and end at the edge of the top and bottom stairs. (see Fig. 8)

**NOTE:** Please ensure to check local building code requirements for your application. If handrail needs to be longer than 8 ft. it can be lengthened using handrail splice and additional length of handrail pipe.

Secure splice on underside of handrail pipe using small screws provided. (See Fig. 8)

![Fig. 8](image)

**RECOMMENDED WOOD BLOCKING DETAILS**

- Hacksaw or 10” Mitre Saw with Thin (Kerf) Blade
- Electric Drill / 1/8” and 3/16” Drill Bits
- 1/2” Hex Head Driver / 3/8” Hex Head Driver
- No.2 Robertson Screwdriver / No. 3 Robertson Screwdriver
- Measuring Tape / Rubber Mallet (optional)

For installation tips and product demonstration videos, visit www.ProbuiltRailings.com

![Image](image)

**TOOLS AND MATERIALS REQUIRED**

**Fastening & Backing**

Adequate backing and the use of an appropriate fastener are crucial to the strength of your railing system. Please choose an appropriate fastener and backing method from the following tables.

![Image](image)

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**Step 1: Measuring Stairs**

To measure stair length use the following:

- **If bottom post to sit on last tread**
  
  ![Diagram](Fig.1)

- **If bottom stair post to sit on landing deck**
  
  ![Diagram](Fig.2)

**STAIRS**

- When calculating the material needed for stairs, use the following guidelines: (When the bottom post is to sit on the last stair tread)

**STAIRS**

- When calculating the material needed for stairs, use the following guidelines: (When the bottom post is to sit on the landing)

**Failure to follow these instructions could result in serious injury or death!**

**Step 2: Stair Installation**

Install top post at edge of deck. (see Fig. 4) Install bottom post so that when bottom rail is placed in the holes provided, there is a consistent space between underside of bottom rail and edge of stairs. A mid-post may be placed in the run. Place top and bottom rails into the holes provided in the posts. Secure bottom rail with longer self drilling screw provided and top rail with small screws provided with posts.

**Figure 4**

![Diagram](Fig.4)

**Figure 5**

![Diagram](Fig.5)

**Step 2A: Post Bracket Installation**

Install post bracket as required. (See Fig. 5)

**Step 2B: Stair Bracket Installation**

(If Needed)

![Diagram](Fig.6)

**Step 3: Stair Rail Splice Installation**

A stair mid post may be placed in the run. (see Fig. 3B)

The joining of the stair rail will only be necessary when your run is longer than 96”.

**Figure 3**

![Diagram](Fig.3)

**Figure 3A**

![Diagram](Fig.3A)

**Figure 3B**

![Diagram](Fig.3B)