



CRITICAL DETAIL: HAND RAIL INSTALLATION

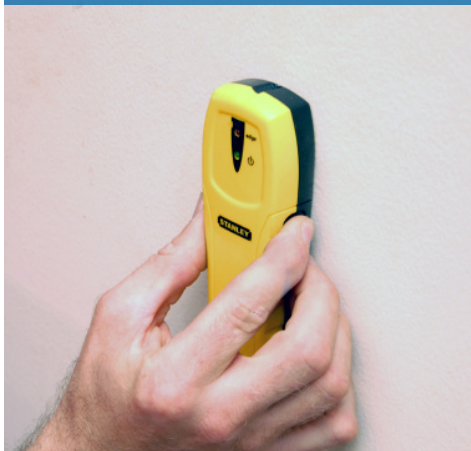
1. Find studs as close as possible to bottom and top step. Use a stud finder and verify with small finishing nail holes at top of stair trim.

2. Mark rail height along stud location at bottom step. Building code requires handrail height between 30 and 38 in. Repeat for top step with equal height.

3. Mark bracket holes. Align top bracket hole with rail height mark. Repeat for top step.

4. Pre-drill the holes and attach brackets with screws.

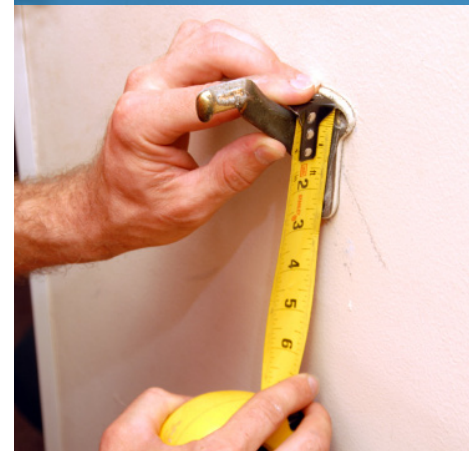
✓ LOCATE STUDS



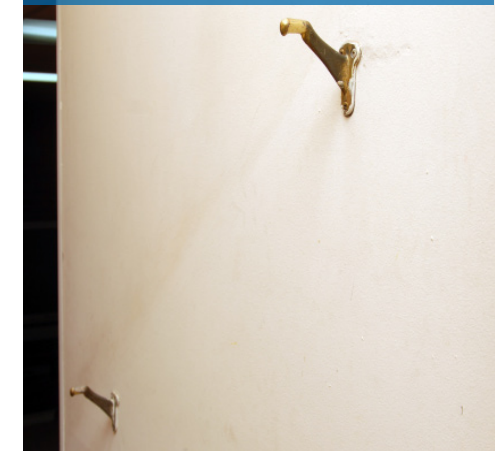
✓ MARK HEIGHT



✓ MARK BRACKET



✓ ATTACH BRACKETS



5. Measure the length of the hand rail and cut to fit. Cut ends at 45 degree angles so return pieces can be attached.

6. Add additional brackets as specified by bracket manufacturer. Mount additional brackets to studs along hand rail.

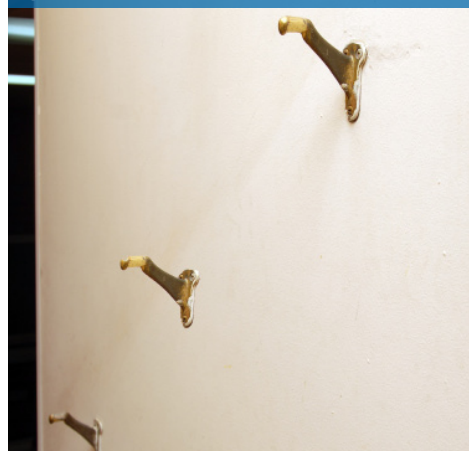
7. Measure between rail and wall. Cut return pieces to length with 45 degree angles. Attach return pieces to ends of rail with finishing nails and wood glue.

8. Attach hand rail to brackets on the wall.

✓ SIZE HAND RAIL



✓ ATTACH RETURNS



✓ ATTACH RETURNS



✓ ATTACH RAIL

