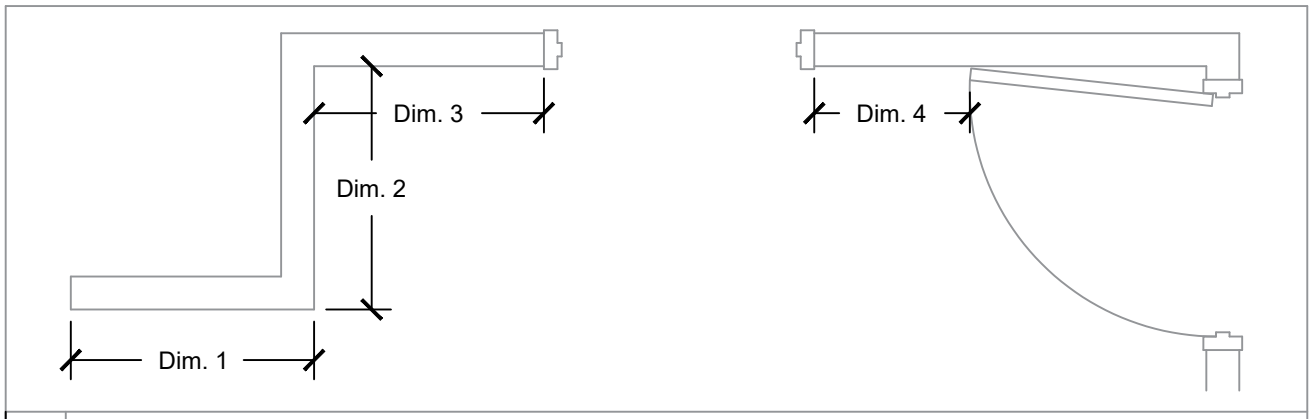
BCRB-4SS Crash Rail

Field Measurement

- BCRB-4SS series crash rail is manufactured in accordance with field dimensions provided by the customer. Accuracy of field measurements is crucial to the success of final installation.
- All dimensions should represent actual field conditions from end point to end point (see figure 1.1). Please advise the factory if any deductions are required. It is recommended to allow 1" clearance between returns and field measured end points.
- Some dimensional limitations exist. For example, some dimensions may be too short. It is best to supply dimensions for all areas where crash rail is desired, and the factory will advise if any issues exist.

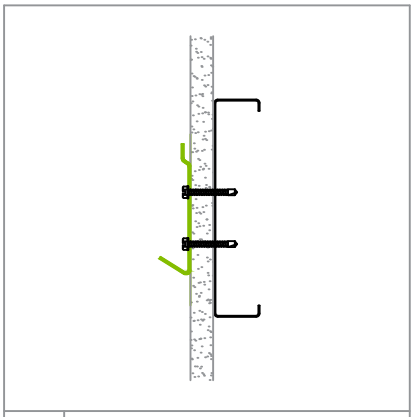


1.1	Field measurement

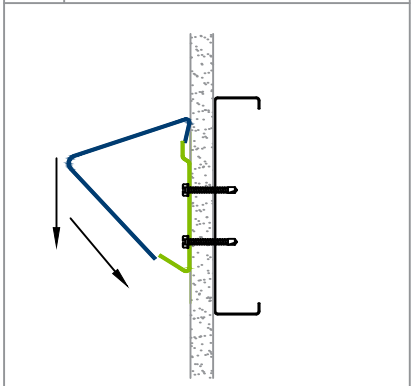
BCRB-4SS Crash Rail

Installation Instructions

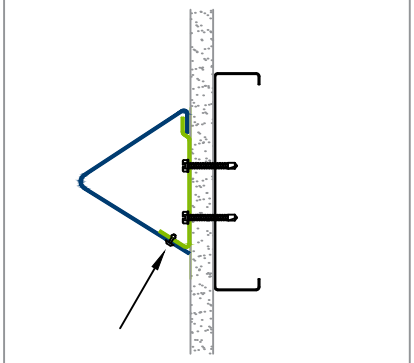
1. Set a laser or chalk line at the desired height. Measure and mark the end points of the crash rail on the wall (see figure 1.1).
2. Install the mounting brackets, hitting studs or continuous backing if possible (see figure 3.1 and 3.1a). Install the 3-inch splice brackets centered at each crash rail splice to ensure the butting crash rails are secured. Install standard brackets at all other locations so that spacing does not exceed 32 inches on center. Below the mounting areas, mark the bracket locations on the wall with a piece of tape.
3. Install crash rail covers by hooking the top edge of the rail cover over the top lip of the mounting brackets (see figure 4.1 and 4.1a). Rotate downward until the cover clears the mounting brackets and rests tight against the wall.
4. Secure the crash rail cover to the mounting brackets with stainless steel pop rivets through the bottom side (see figure 5.1 and 5.1a). Find the bracket locations marked with tape. Drill holes all the way through the bottom edge of the crash rail and the bottom lips of the mounting brackets. Make sure to press the crash rail firmly against the wall while drilling and installing the pop rivets.



3.1	Install brackets



4.1	Install cover

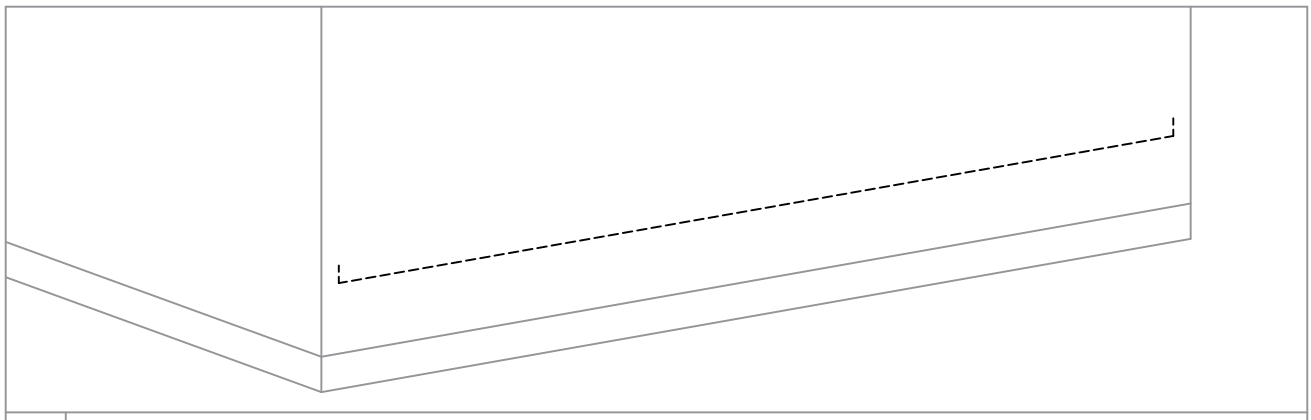


5.1	Secure cover to brackets

BCRB-4SS Crash Rail

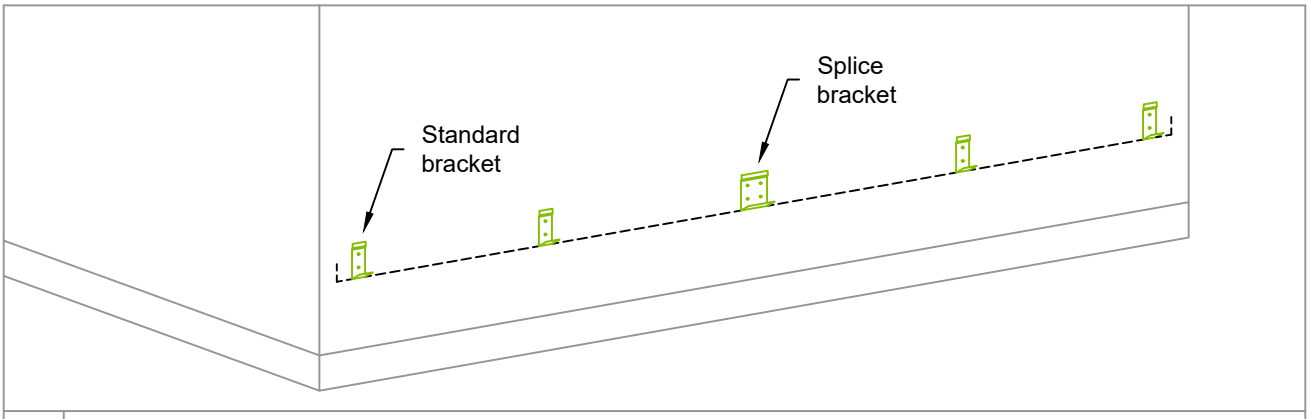
Important

1. Acclimate materials to the installation environment for 24 hours prior to installation. Maintain a temperature controlled environment during and after installation.
2. To cut the material, use a metal chop saw with abrasive cut-off wheel. De-burr cut edges with a file or flap disk. If there are any surface burns, remove with scotch-brite pad.
3. To drill the material, use a good quality high-speed steel bit and a variable drill with good torque. For anything larger than a 1/8-inch hole, use a step drill bit. Use lubricant and clamp the item securely. Use a punch and hammer to make a dimple where the hole is to be drilled. This will keep the drill bit from wandering.

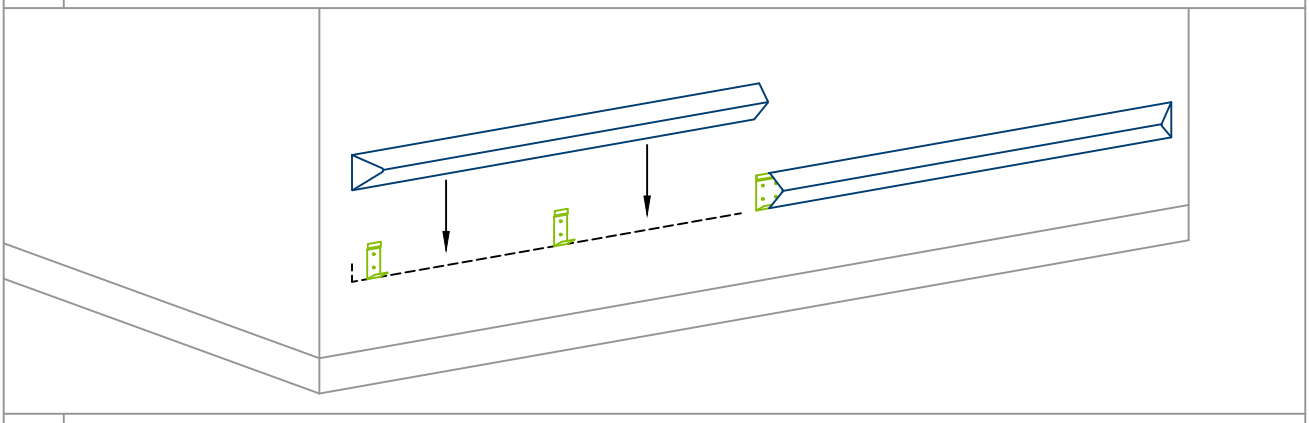


1.1	Set chalk line and mark end points

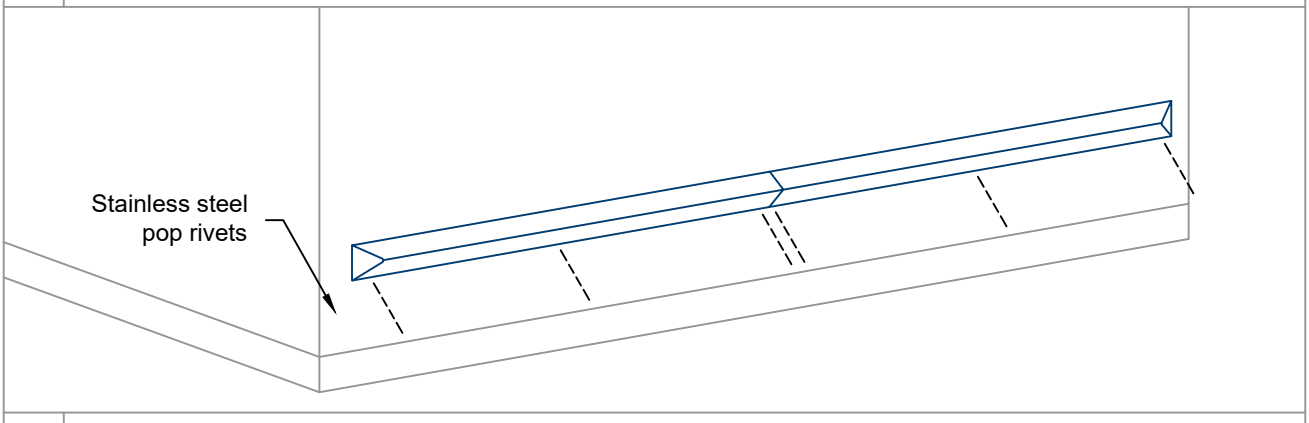
BCRB-4SS Crash Rail



3.1a	Install brackets



4.1a	Install crash rail covers



5.1a	Secure crash rail covers to mounting brackets

DISCLAIMER: Please read all instructions before beginning installation. These guidelines are provided in good faith to help prevent any problems caused by errors in installation. The manufacturer of this product shall not be held responsible for installation actions taken or not taken. There are many details of installation that are assumed to be general construction knowledge to experienced installers; which are not included in these instructions. These installation guidelines are intended to be strictly recommendations and are not to serve as a step-by-step, fail-safe installation checklist. Selection of an experienced installer is the sole responsibility of the project owner and architect. Protek Systems, Inc. does not accept any responsibility for job failure resulting from or associated with improper site environmental conditions and installation failure due to expansion contraction issues.