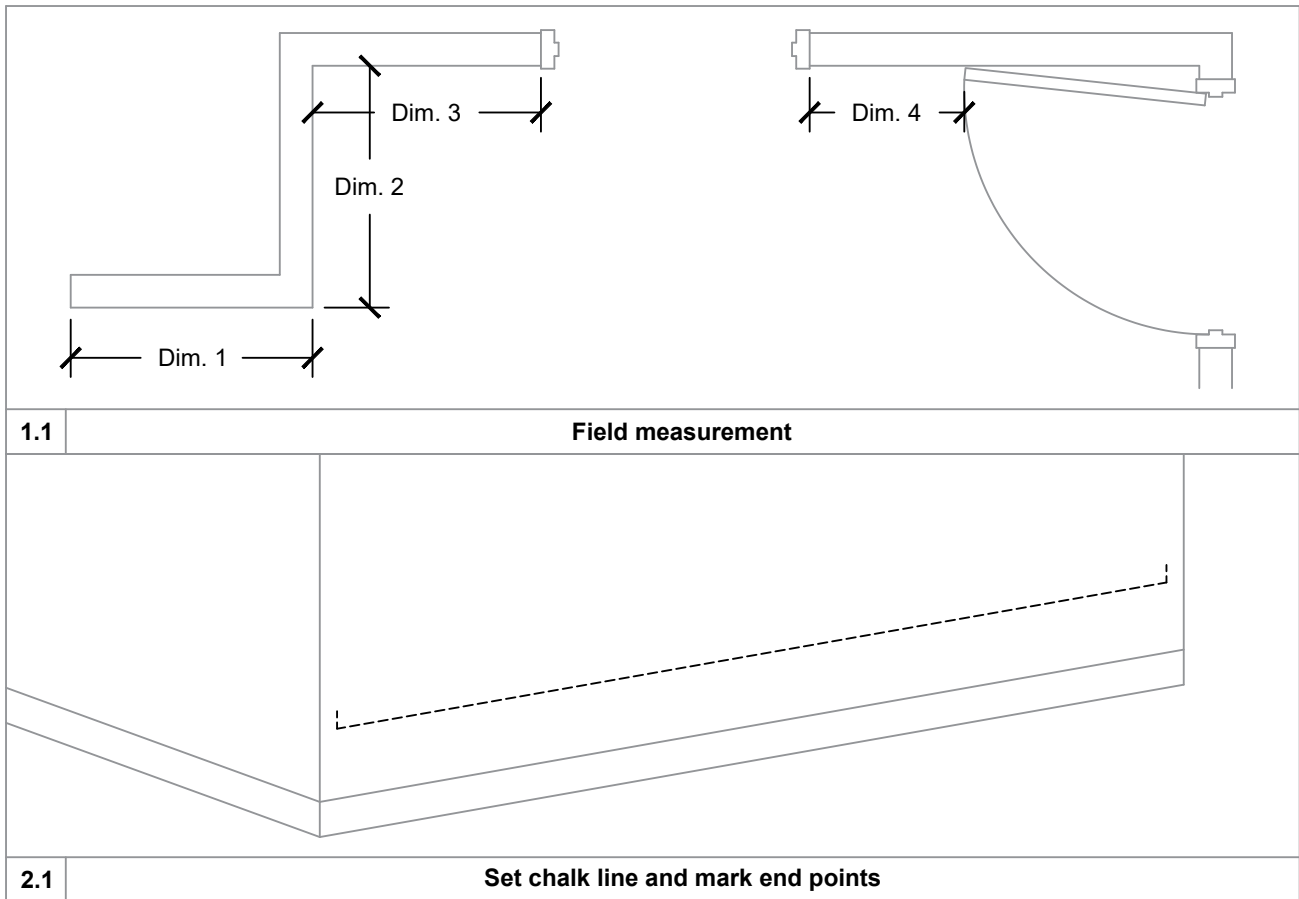


# Welded Crash Rail with Wood Retainer

## Field Measurement

- Welded crash rail is manufactured in accordance with field dimensions provided by the customer. All crash rail is pre-cut and pre-drilled at the factory and should require no further modification. 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.

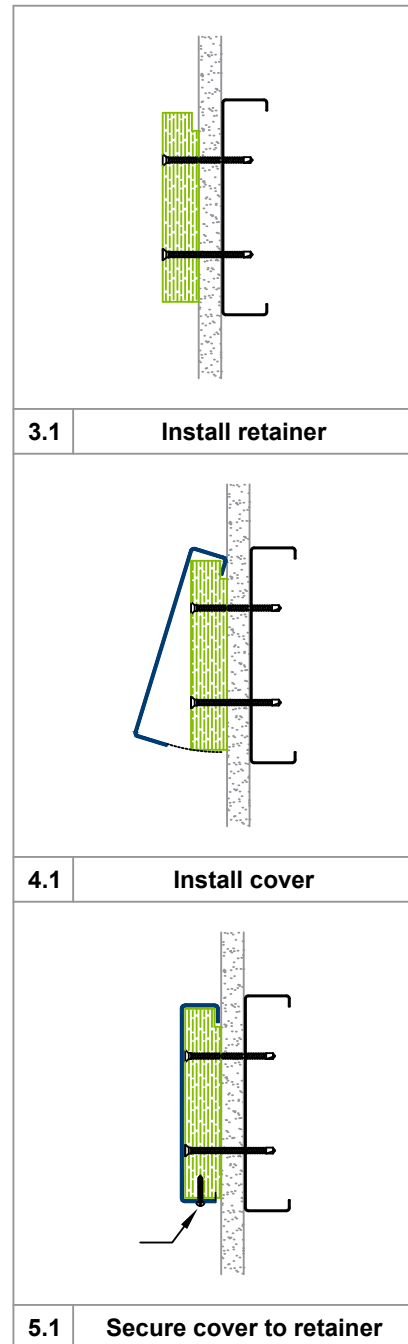


**DISCLAIMER:** Please read all instructions before beginning installation. These guidelines are provided in good faith to help prevent any problems caused by errors in installation. The manufacturer of this product shall not be held responsible for installation actions taken or not taken. There are 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.

# Welded Crash Rail with Wood Retainer

## Installation Instructions

1. Lay out the crash rails in the proper locations per the shop drawings.
2. 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 2.1).
2. Measure and cut the retainer sections to length for each segment. Dry fit the cut lengths on the wall to ensure proper installation.
3. Fasten continuous retainer to the wall, hitting studs or continuous backing if possible (see figure 3.1). Fastener spacing should be no more than 32 inches and within 3 inches from each end.
4. Install the crash rail covers by sliding the top lip of the cover into the back groove of the wood retainer (see figure 4.1). Rotate downward until the cover is tight on the retainer. If splices are necessary, make sure to offset the retainer splices from the cover splices to ensure a cleaner installation.
5. Secure the crash rail cover to the continuous retainer through the bottom side (see figure 5.1). Drill holes if necessary. Follow the same hole spacing as the wood retainer.



## Important

1. Acclimate materials to the installation environment for 24 hours prior to installation. Maintain a temperature controlled environment during and after installation.
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.

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