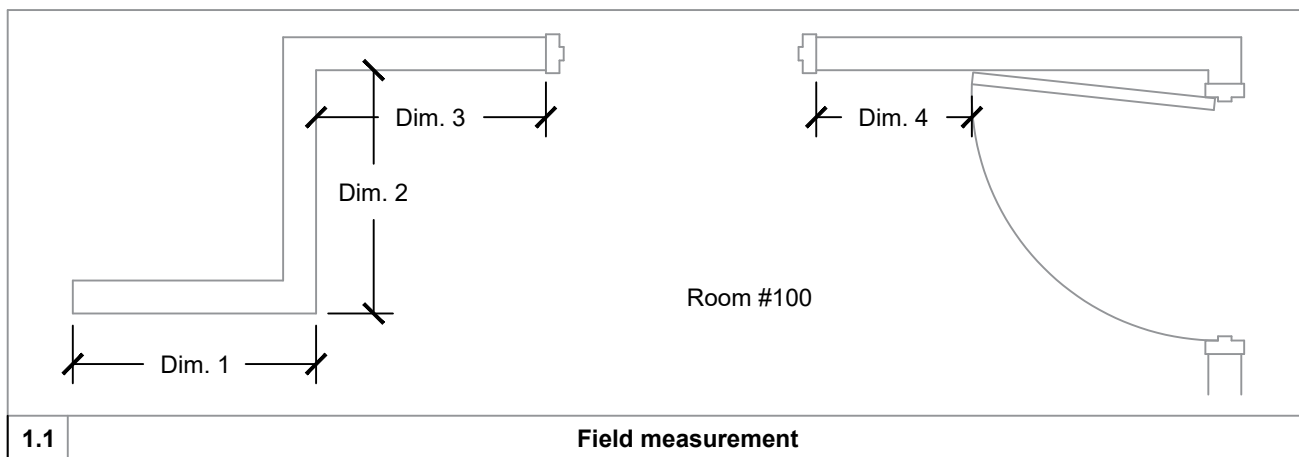


TR-200 Tubular Floor-Mounted Rail

Field Measurement

- TR-200 series crash rail is manufactured in accordance with field dimensions provided by the customer. All crash rail is pre-cut, pre-formed, 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 at returns 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.



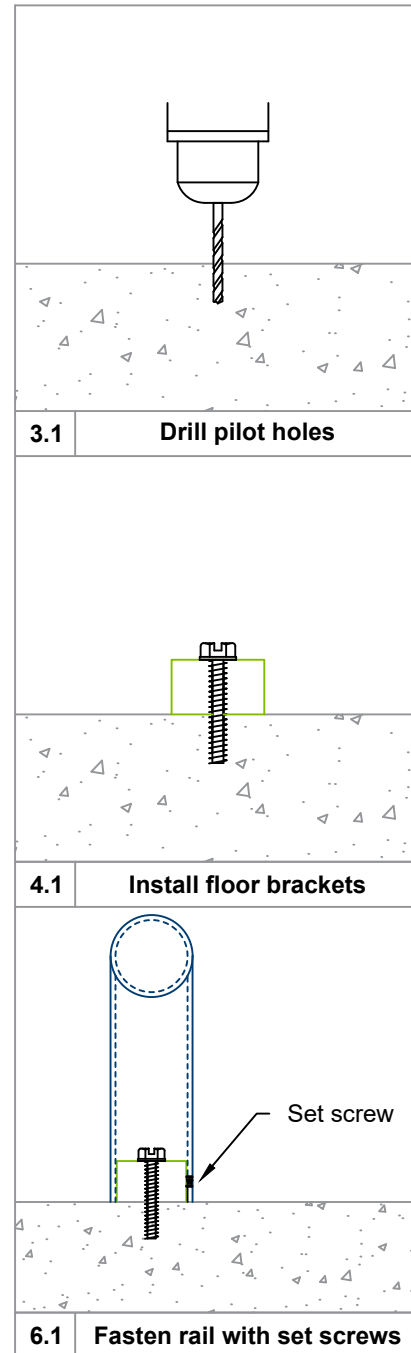
Sample Measurement Form				
Crash Rail #	Location	Left Condition	Actual Dimension	Right End Condition
#1	Room #100	Return	3'-0"	OC
#2	Room #100	OC	3'-0"	IC
#3	Room #100	IC	2'-10"	Return
#4	Room #100	Return	1'-10"	Return

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.

TR-200 Tubular Floor-Mounted Rail

Installation Instructions

1. Lay out the crash rails in the proper locations per the shop drawings.
2. Dry fit the rails and mark the mounting hole locations on the floor.
3. Once the mounting locations are marked on the floor, drill pilot holes (see figure 3.1). Use caution when drilling the mounting holes in the floor so that proper alignment is maintained.
4. Then, fasten the aluminum floor brackets to the floor with the appropriate hardware (see figure 4.1).
5. Once floor brackets are tightly fastened, fit the crash rail posts over the floor brackets.
6. Ensure crash rail posts are tight to the floor and fasten them to the floor brackets using set screws (see figure 6.1).



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