

# SAFETYRAIL2000

Patents Pending

## Installation Manual

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P/N: 100026

WARNING: SERIOUS INJURY MAY RESULT IF THIS PRODUCT IS MISUSED OR NOT INSTALLED PROPERLY. BLUEWATER MFG., INC. PROVIDES THESE INSTRUCTIONS AND RELIES UPON THE PURCHASER AND END USER TO TRAIN ALL PERSONNEL TO ENSURE THE USERS OF THIS PRODUCT FULLY UNDERSTAND THE IMPORTANCE OF FOLLOWING THESE INSTRUCTIONS. BLUEWATER MFG. EXPRESSLY DISCLAIMS ANY LIABILITY FROM INJURY, DAMAGE, OR OTHER LOSS RESULTING FROM THE IMPROPER OR UNAUTHORIZED INSTALLATION OR USE OF SAFETYRAIL 2000.

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## **SAFETY PRECAUTIONS:**

- ! The load limit of the installation surface must be checked to ensure that the surface can tolerate the weight of the SafetyRail 2000 and installation personnel.**
- ! SafetyRail 2000 is designed to be used only on flat surfaces, free of debris.**
- ! Do NOT use SafetyRail 2000 on roof surfaces with greater than 3/4" per foot roof slope. (3.6 deg.)**
- ! Never use SafetyRail 2000 on slick surfaces.**
- ! Never set up SafetyRail 2000 near electrical wires. The rails must be at least five feet from power lines.**
- ! Never use damaged rails or gates. Inspect all product to ensure there is no damage. If any product is damaged, replace with new product.**
- ! Always use a return at the beginning and end of a continuous run or any interruption in a run. The return should be positioned approximately at a 90 degree angle to the run.**
- ! Never use SafetyRail 2000 rails for hoisting.**
- ! Verify that the bottom of the base has four rubber pads. Install new pads if any are missing.**
- ! Bases must be placed at a minimum of 18" away from the leading edge where there is no curb or parapet on a leading edge. Bases may be placed next to the vertical rise if a curb or parapet is present.**
- ! Contact BlueWater Mfg. with any questions or concerns.**

# SafetyRail 2000 INSTALLATION INSTRUCTIONS

**These instructions must be followed in order to comply with the Occupational Safety and Health Administration's regulations: (Standards-29 CFR) 1910.29 (b) and 1926.502 (b).**

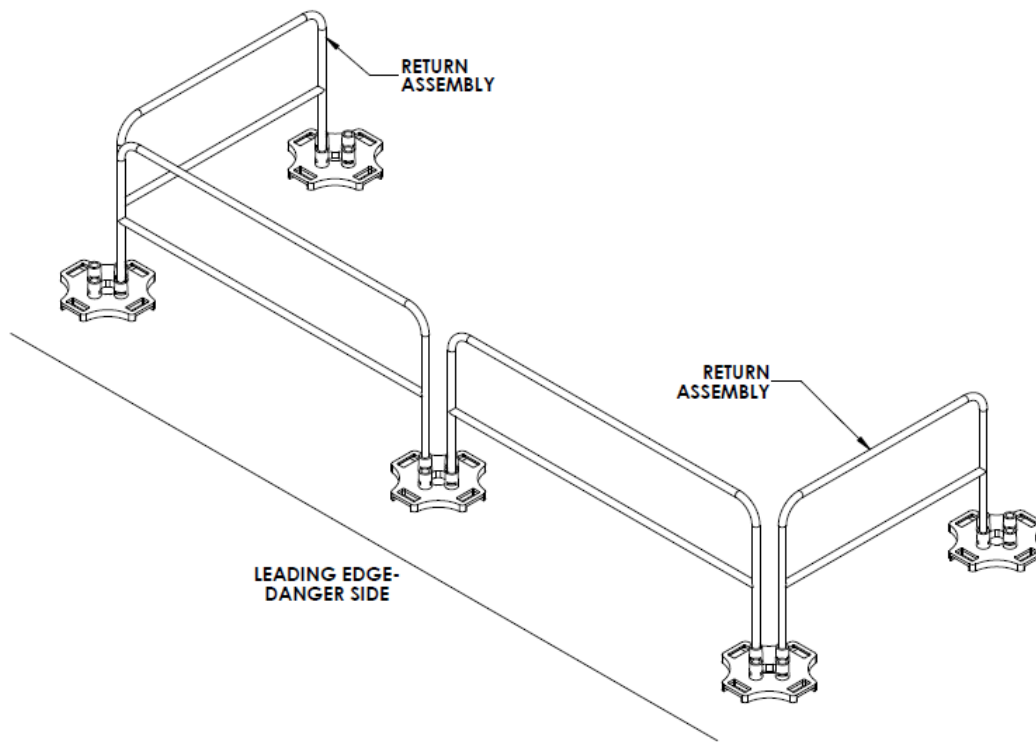
- 1) Space the bases to the appropriate width and insert the rail into the desired receiving posts on the bases.
- 2) *ALWAYS* lock the rail to a base with the provided securing pins. Lock the securing pin in place by opening the square wire, inserting the pin through the hole in the base post and visible holes in the rail then close the square wire. If enough securing pins were not provided, *DO NOT* set up the sections that cannot be secured. Contact BlueWater Mfg. immediately for extra securing pins. REMEMBER: *Make sure to lock both Railing Posts.*
- 3) When installing metal toe boards, refer to part number 100286, Installation Manual Toe Board – SR2K / Fiberglass.

## RETURNS

**These instructions must be followed in order to comply with the Occupational Safety and Health Administration's regulations: (Standards-29 CFR) 1910.29 (b) and 1926.502 (b).**

RETURN ASSEMBLIES MUST ALWAYS BE USED AT THE BEGINNING AND END OF A CONTINUOUS RUN OR AT ANY INTERRUPTION IN A CONTINUOUS RUN.

A return assembly consists of: one base, one rail section and two securing pins. Assemble this return to any base that is at the beginning and end of any type of run. The return must be positioned to approximately 90 degrees to the last base.

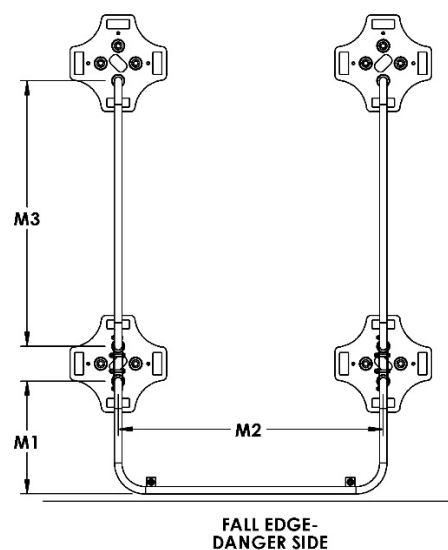
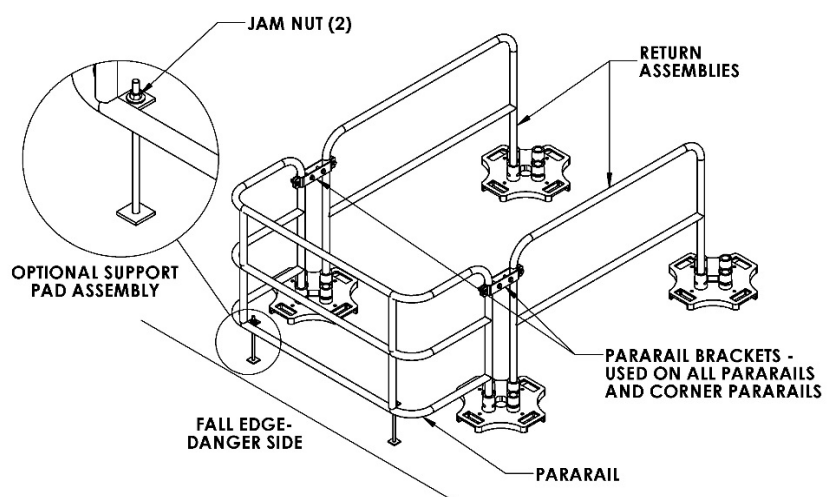


## PARARAIL INSTALLATION

**These instructions must be followed in order to comply with the Occupational Safety and Health Administration's regulations: (Standards-29 CFR) 1910.29 (b) and 1926.502 (b).**

**Important:** In order to prevent serious injury, these set-up procedures must be followed.

- 1) Measure the cantilevered distance (M1).
- 2) Measure the distance from centers of the ParaRail legs (M2).
- 3) Measure the distance from the center of the return legs (M3).
- 4) Place the bases on the leading edge first and use the above measurements to determine where each base is to be positioned.
- 5) Always install the returns first. Place the returns into the bases and secure the rails to the bases with the securing pins provided.
- 6) Install the ParaRail into the bases and secure with the pins provided.



Some special applications with short returns, (5' or less) require an optional support pad assembly. The pad typically rests on the parapet or other roof top installed object. Adjust and tighten the jam nuts accordingly as shown. ParaRail Brackets are supplied for all ParaRail and Corner ParaRail kits.

### ANNUAL INSPECTION PROCEDURE

- VERIFY THAT ALL UPRIGHTS ARE PINNED TO THE BASES. REPLACE ANY MISSING PINS.
- INSPECT RAILS FOR DAMAGE. REPLACE ANY DAMAGED RAILS.