

Section 05720
SafetyRail 2000 Guardrail System
OSHA Compliant
(Last Revised 9/1/02)

Part 1 – General

- 1.01 SUMMARY
Provide and install Free Standing, Non-Penetrating Railing System(s) for roof edge fall protection. This system has been tested and documented to meet OSHA Regulations 29 CFR 1926.502 and 29 CFR 1910.23. Test results are available upon request.
- 1.02 WORK INCLUDED
Include all labor, materials, equipment, transportation and services required to complete the installation of the guardrail system as shown on the drawings
- 1.03 SUBMITTALS
Submit manufacturer's catalogs cuts for approval prior to order.
- 1.04 WARRANTY
Provide the General Contractor with a two (2) year manufacture's warranty.

**PART 2 -
MATERIALS**

- 2.01 Manufacturer
SafetyRail 2000 Guardrail System
BlueWater Mfg., Inc.
Phone: (866) 898-5237, fax: (952) 926-0515
Email: info@bluewater-mfg.com
- 2.02 SafetyRail 2000™ Guardrail System
- A. Furnish and install SafetyRail 2000™ Guardrail System on all roof edges that do not have a parapet wall of at least 42" in height. Toe Board brackets must be used when the parapet wall is less than 3-1/2" in height and there is the possibility of human traffic below the roof's edge.
- B. Performance Characteristics: Should meet and exceed OSHA
(Standards - 29 CFR) 1926.502 (b).
1. Railing System shall be designed to withstand a minimum 200 pounds of test load in any direction.
 2. Railing System shall consist of a top rail and mid rail.
 3. Railing system shall extend to a height of at least 42" from the finished

roof deck.

4. Railing system shall be free of sharp edges and snag points.
5. Product label shall include easy reading Logo decal along with a warning label informing the installers to read the enclosed instructions located in the instruction tube.

C. Railing and Base:

1. Rail shall be 1 5/8" O.D. Hot Rolled Pickled Electric Weld Tubing
 - 2a. The free standing base shall be cast of Class 30 Gray Iron material.
 - 2b. The base shall have four (4) receiver posts for accepting the rails.
 - 2c. The receiver posts shall have a positive locking system not a friction locking system. This insures a quick visual check will let the inspector know that the rails are secured to the base.
 - 2d. The receiver posts shall have a slot to enable the rails to be mounted in any direction to allow for fast set-ups and flexibility when installing.

D. Hardware:

1. The securing pins shall be made from 1010 carbon steel. The pins shall be zinc plated and yellow chromate dipped. The pins shall consist of a collared pin and a lanyard that connects to a lynch pin.
2. For Gate Assemblies Only. Bolts and washers shall be 3/8" x 3 1/2" and 3/8" x 3" grade 5, zinc plated.

- E. Finish: Rails: Specify factory finish Safety Yellow Powder Coat Paint, Hot Dipped Galvanized or a color to mach the building.
Bases: Specify factory finish Safety Yellow Powder Coat Paint, Hot Dipped Galvanized or a color to mach the building.

PART 3 -
EXECUTION

3.01 INSTALLATION

Shall be installed on low slope roof. Individuals shall read the installation and safety manual located in the instruction tube before installation.

END OF SECTION

