

## The Ideal Shield® Protective Guardrail System

The Ideal Shield Protective Guardrail System, the industry leader in protective railing, is transforming the way warehouses, stadiums and industrial facilities are built and/or updated. For over ten years, The Ideal Shield Protective Guardrail has greatly reduced maintenance/material costs, lowered up-keep/labor and has been proven to protect employees and expensive equipment from injury from injury and damage. With the introduction of this Guardrail System, the previously disposable, easily damaged and often replaced rail of the past is now obsolete in comparison. Ideal Shield is the manufacturer, patent holder and distributor of this sleek design, which is easily installed with its unique core-in or plate installation. Ideal Shield offers its users several options in colors, sizes and configurations to suit even the most complex floor plans.

Ideal Shield recognizes the ever-changing safety/quality regulations companies are being held accountable for by OSHA and other organizations. In today's economy Ideal Shield continues to react positively by manufacturing a product that not only adapts to this changing environment, but also is cost effective, customer friendly and #1 in protection.

Ideal Shield Protective Guardrail is fabricated using a unique combination of Schedule 40 and Schedule 80 steel pipe encased in a high-density polyethylene thermoplastic tube. This steel and plastic assembly creates a system that can withstand the force of multiple 12,000-lb forklift impacts while maintaining its structural integrity and does not crack when faced with such intense force. The system is built to last by distributing extreme force evenly throughout the unit.

The patented HDPE plastic tube allows for a smooth rounded finish that will not snag clothing or injure employees with sharp rusty edges. Thanks to the HDPE tube this guardrail system virtually eliminates painting. The HDPE tube maintains color density and keeps the system highly visible and looking like new! No need to shut down production lines due to environmental issues related to painting and welding like in standard guardrail. It can be cleaned with environmentally safe detergent and water solutions. Ideal Shield Guardrail products provide a safe nonconductive barrier, making it the guardrail of choice near electrical equipment. For electrical equipment installations, the guardrail can be installed as close as 6" from the object in which it is protecting.

Ideal Shield invented this system to cost effectively meet its clients' barrier requirements for years to come. One cost saving Ideal Shield design feature is that the guardrail can be easily removed and reinstalled to meet changing plant floor configurations. One customer recently removed its guardrail and reinstalled it at a new facility...no added costs for new guardrail! Ideal Shield offers core-in installation which is as simple as core, drop, and install. Our clients find it to be the quickest – simplest installation in the industry. Recognized four times over as a Plant Engineering Product of the Year finalist, The Ideal Shield Protective Guardrail is available in one or two line designs and is delivered fully assembled to our clients.

Founder, Frank Venegas, Jr. invented the first Ideal Shield Guardrail product in 1991 to meet the Chrysler Jefferson North plant construction specifications. Chrysler challenged Ideal Steel to make the new facility's guardrail removable and an environmentally friendly paint-free yellow finish. Mission accomplished! Ideal Steel provided miles of guardrail to the Chrysler Jefferson North plant and the Ideal Shield product line was launched. In 1996, the Ideal Shield manufacturing operation moved to Detroit and Ideal Shield manufacturing operation moved to Detroit and Ideal Shield, LLC was set up as its own separate corporation.

Today Ideal Shield protects some of our nation's best such as Ford Motor Company, General Motors, Daimler-Chrysler and most recently the Detroit Lions new Ford Field Stadium. Keeping abreast of the newest industry trends and demands has kept Ideal Shield a step ahead of our competitors, and allowed for rapid business advancement. The latest project in our Guardrail line is affectionately known as The Defender Rail. Built in response to the need for added Homeland Security, Ideal Shield has developed a new rail that will stop a high-speed truck yet blend in with its surrounding landscape. Just another example of the world-class customer service and swift ability to solve specialized protection issues Ideal Shield clients has grown to expect. These traits and a high quality product have made Ideal Shield a trustworthy guardrail manufacturing name.

Contact: Frank Venegas Jr. • The Ideal Group • 2525 Clark St. • Detroit, MI 48209  
313-842-7290 • 313-842-7860 • info@idealsshield.com • www.idealsshield.com

The Ideal Shield® Protective Guardrail System



THE GUARDRAIL COMPANY



TWO LINE GUARDRAIL- GENERAL MOTORS



ONE LINE REMOVABLE GUARDRAIL- K-MART DISTRIBUTION

**GUARDRAIL SPECIFICATIONS**

**BOLT-IN APPLICATION      CORE-IN APPLICATION**

- BOTH 1 & 2 LINE ARE AVAILABLE IN CORE AND BOLT-IN APPLICATIONS
- CUSTOM UNITS AVAILABLE

**STANDARD MATERIALS:**  
 PIPE POST- 4" SCHEDULE 80 PIPE RAIL- 6" SCHEDULE 40 HIGH DENSITY THERMOPLASTIC POLYETHYLENE W/ULTRAVIOLET AND ANTI-STATIC ADDITIVES, .250 NOMINAL WALL THICKNESS BASE PLATE- 5/8"x10"x10" WITH (4) 15/16" ANCHOR BOLT HOLES- ANCHORS NOT INCLUDED

**STOCK UNIT SIZES:**  
 HEIGHTS- 14 3/4", 27", 36" and 42" OVERALL  
 LENGTHS- 48", 72", 96", 120" and 144" OVERALL

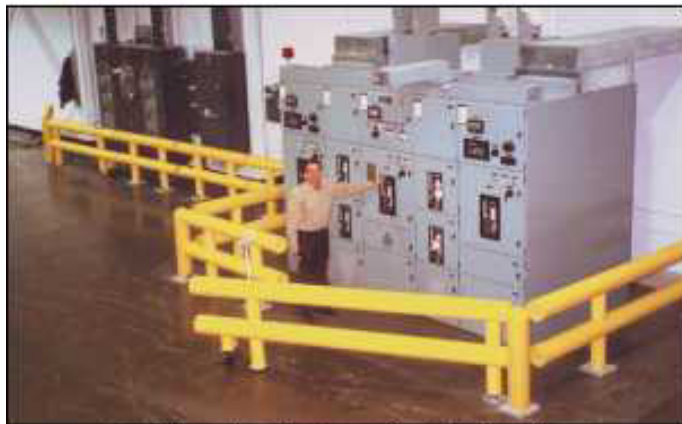


ULTIMATE GUARDRAIL

**CAN STOP A 12,000 POUND FORKLIFT GOING 8 MPH, WITH MINIMAL DEFLECTION!**

- \*CORE & DROP INSTALLATION
- \*NO GROUT NEEDED
- \*REMOVABLE
- \*PAINTED GUARDRAIL AVAILABLE

EASY CORE-IN INSTALLATION



INDOOR MACHINE HEAVY GUARDRAIL WITH GATE- FORD MOTOR COMPANY



OUTDOOR MACHINE GUARDRAIL

2525 CLARK STREET DETROIT, MI 48209 (888) 308-7290 VISIT US ONLINE @ [WWW.IDEALSHIELD.COM](http://WWW.IDEALSHIELD.COM)