



Steel Non-penetrating & Fixed Guardrails

for Rooftops

PRODUCT LITERATURE



The **Steel Galvanized Modular Guardrails** are the perfect solution for combining form and function with distinctive styling that compliments building architecture. The system is available in **Non-penetrating** and **Fixed** designs and all components are galvanized. The system is assembled right on-site to ensure an accurate fit that maintains a uniform appearance throughout the installation, all this while being fully OSHA compliant.

When building aesthetics are as important as addressing fall protection needs, the Steel Modular Guardrail System offers many enhanced solutions. The system railings offer clean sight lines, upscale styling, and non-penetrating design.

Common applications are flat roof fall protection along the leading edge of roof perimeters, ladder access points, roof hatches, skylight guarding and more. Our guardrail systems are also used on loading docks, shipping pit protection, warehouse traffic lanes, crowd control, pier and rail yard protection and much more.



Fall Protection Challenge

The Steel Modular Guardrails can be customized and assembled based on the type of roof you need to install a guardrail system. Unlike other guardrail systems that come in predetermined lengths and parts, this system is more flexible to install in non-penetrating and fixed options.



Fall Protection Solution

This modular guardrail system will allow you to implement a passive fall protection system with flexible roof type options. In addition the system can be cut and fitted onsite without the use of special tools for a custom finish.

Features & Benefits

➤ **OSHA COMPLIANT**

Meets and exceeds OSHA regulations for fall protection. Tested and independently certified to be in accordance with OSHA fall protection for guardrail regulations, sections 1910.23 & 1926.500–1926.503.

➤ **CUSTOMIZED INSTALLATION**

Allows customized installation — railing sections provided in 21 foot lengths (or shorter if needed) to allow custom fabrication of guardrails in field for precise fit.

➤ **GALVANIZED FINISH**

Standard finish is Galvanized for visibility and high corrosion resistance. American Welding Society certified welders ensure the highest standard of quality construction.

➤ **SAFE**

Railing will be 42" tall in the base. Constructed of 1 1/4" schedule 40 galvanized pipe secured with structural pipe fittings for heavy duty construction and continuous railing profiles for pleasing sight lines. Choice of vertical or curved stanchions.

➤ **VARIOUS APPLICATIONS**

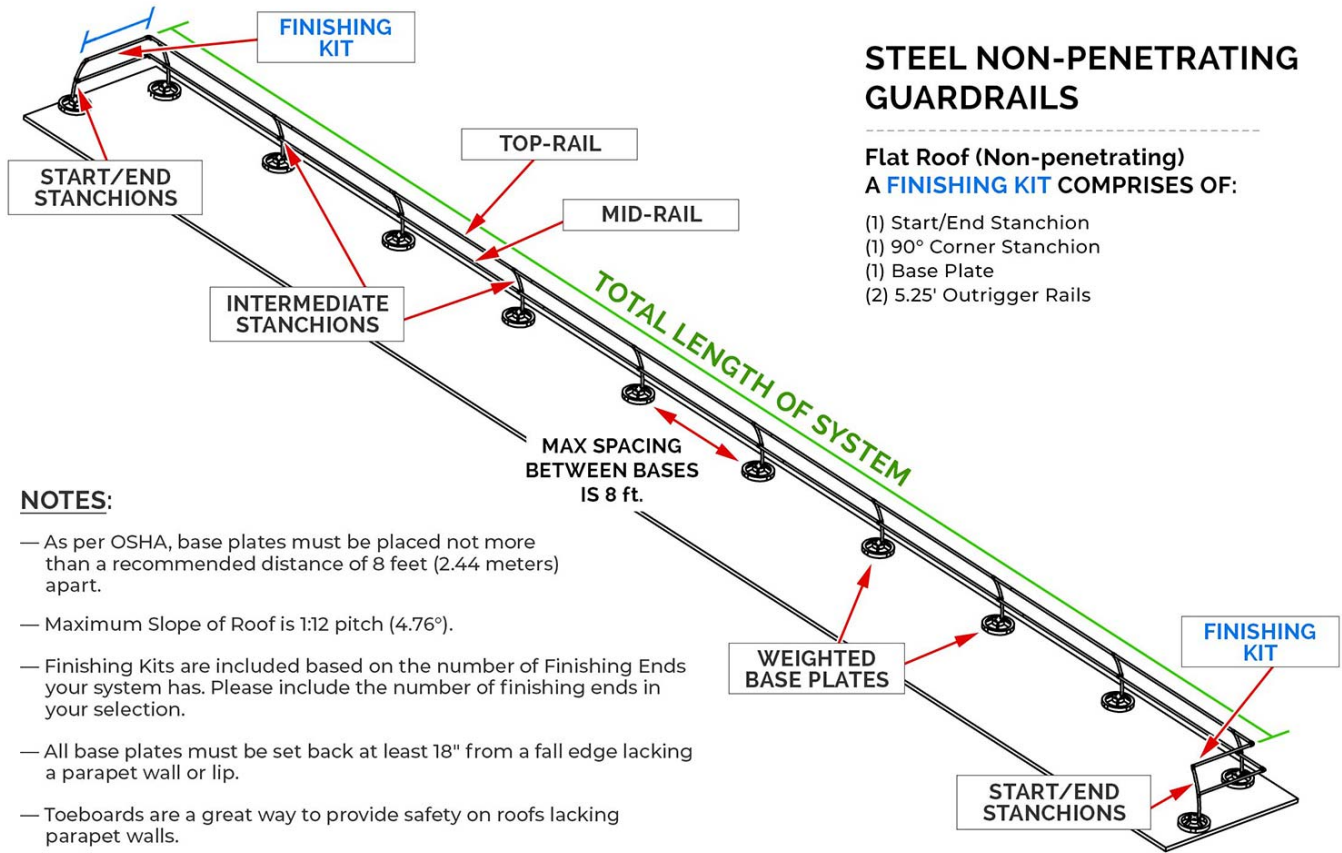
Highly effective as OSHA compliant hazard barrier. Commonly used for rooftop fall protection, new building construction, mezzanines, in-plant guarding, and more.

➤ **EASE OF INSTALL**

Installing our steel modular guardrail systems could not be easier. It takes little effort and hardly any time. The main components simply click into place and the rest can be installed using standard tools. The freestanding design also means there is no need to fix rails to the roof.

Components

NON-PENETRATING SYSTEM



STEEL NON-PENETRATING GUARDRAILS

Flat Roof (Non-penetrating)
A FINISHING KIT COMPRISES OF:

- (1) Start/End Stanchion
- (1) 90° Corner Stanchion
- (1) Base Plate
- (2) 5.25' Outrigger Rails

NOTES:

- As per OSHA, base plates must be placed not more than a recommended distance of 8 feet (2.44 meters) apart.
- Maximum Slope of Roof is 1:12 pitch (4.76°).
- Finishing Kits are included based on the number of Finishing Ends your system has. Please include the number of finishing ends in your selection.
- All base plates must be set back at least 18" from a fall edge lacking a parapet wall or lip.
- Toeboards are a great way to provide safety on roofs lacking parapet walls.

ALL BASE PLATES MUST BE SET BACK AT LEAST 18" FROM A FALL EDGE LACKING A PARAPET WALL OR LIP.

BASE PLATES HAVE TO BE PLACED NOT MORE THAN A RECOMMENDED DISTANCE OF 8 FEET (2.44 METERS) APART.

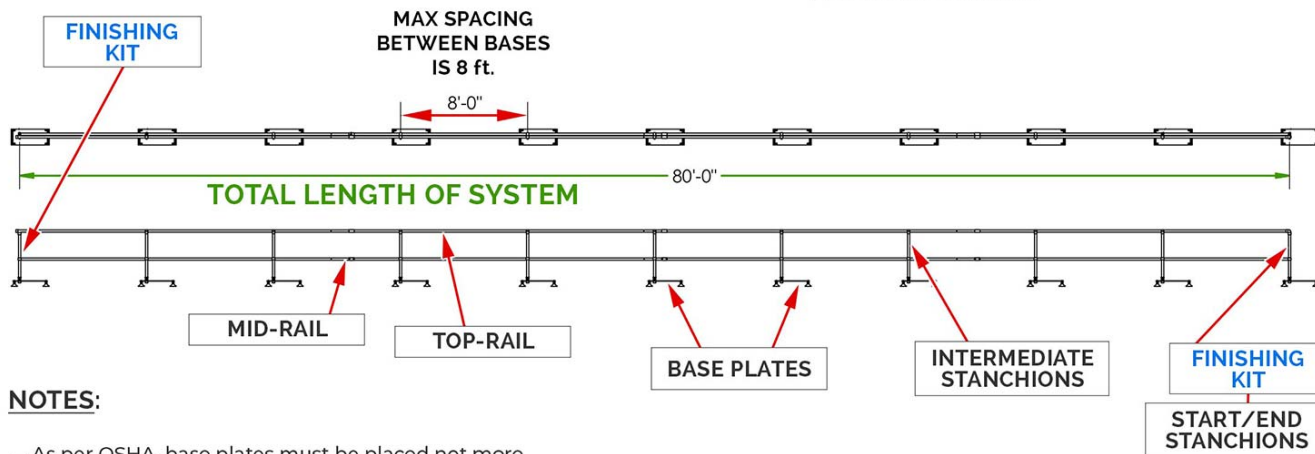
FIXED SYSTEM

(EXAMPLE)
TOTAL LENGTH
OF SYSTEM
= 80 ft.

STEEL FIXED GUARDRAILS

Standing Seam, R-Panel, Corrugated Roofs
A FINISHING KIT COMPRISES OF:

(1) Start/End Stanchion



NOTES:

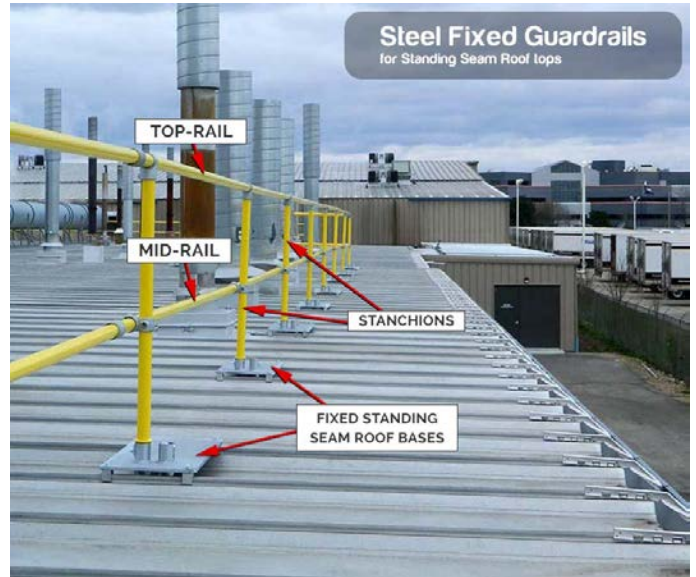
- As per OSHA, base plates must be placed not more than a recommended distance of 8 feet (2.44 meters) apart.
- Maximum Slope of Roof is 1:12 pitch (4.76°).
- Finishing Kits are included based on the number of Finishing Ends your system has. Please include the number of finishing ends in your selection.
- Toeboards are a great way to provide safety on roofs lacking parapet walls.

BASE PLATES HAVE TO BE PLACED NOT MORE THAN A RECOMMENDED DISTANCE OF 8 FEET (2.44 METERS) APART.

Types of Roofs



**Flat Roof
(Non-penetrating)**



**Standing Seam Roof
(Fixed)**



**Corrugated Roof
(Fixed)**



**R-Panel Roof
(Fixed)**

Types of Guardrail Systems

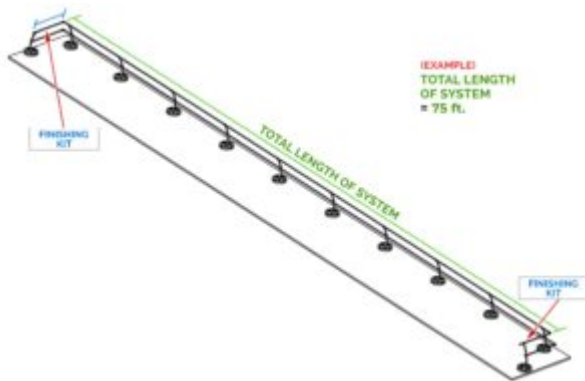


STRAIGHT GUARDRAILS



CURVED GUARDRAILS

Selections Explained



(click to enlarge)

Total Length of System (in ft.)

This is the total span of your system from start to end.

Excluding finishing kits for the Non-penetrating system. Finishing Kits are not included in calculating total length of the guardrail system.



(click to enlarge)

90° Corners

To bend the guardrail system at a 90 degree angle.

This includes adding a 90 degree corner stanchion.



(click to enlarge)

Number of Finishing Ends

Number of open ends that require to be closed with a finishing kit.

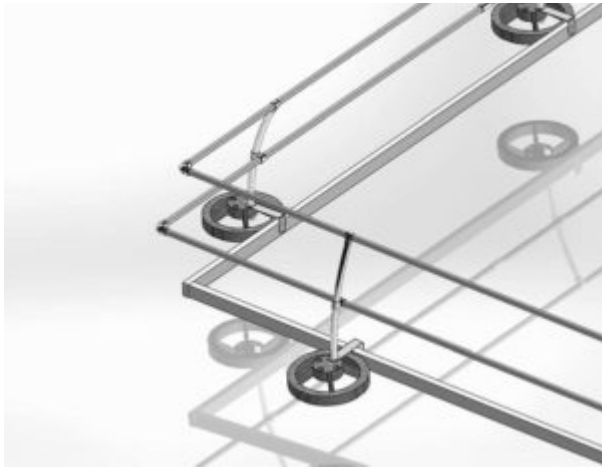
If no selection is made, a finishing kit will not be included with the system and your system will have open ends.



(click to enlarge)

Adjustable Corners (other than 90°)

To bend the guardrail system at any angle other than a 90 degree angle.



(click to enlarge)

Toeboards

Toeboards are necessary when there is no parapet on the roof.

Correct Usage

Non-penetrating System

PARAMETERS OF USE (!! IMPORTANT !!)

- Base plates must be placed not more than a **recommended distance of 8 feet (2.44 meters)** apart.
- Finishing Kits are included based on the number of Finishing Ends your system has. Please include the number of **finishing ends** in your selection.
- All base plates must be set back **at least 18" from a fall edge** lacking a parapet wall or lip. Toeboards are a great way to provide safety from roofs lacking parapet walls.
- Maximum **Slope of Roof** is 1:12 pitch (4.76°).
- **Adding Toeboards:** The Steel Galvanized Guardrail Toeboard is necessary when there is no parapet on the roof. The toeboard can be installed by clicking it onto the Toeboard Bracket and tightening it with a screw.

Fixed System

PARAMETERS OF USE (!! IMPORTANT !!)

- Base plates must be placed not more than a **recommended distance of 8 feet (2.44 meters)** apart.
- Finishing Kits are included based on the number of Finishing Ends your system has. Please include the number of **finishing ends** in your selection.
- All base plates must be set back **at least 18" from a fall edge** lacking a parapet wall or lip. Toeboards are a great way to provide safety from roofs lacking parapet walls.
- Maximum **Slope of Roof** is 4:12 pitch (18.43°).
- **Adding Toeboards:** The Steel Galvanized Guardrail Toeboard is necessary when there is no parapet on the roof. The toeboard can be installed by clicking it onto the Toeboard Bracket and tightening it with a screw.

Need a Quote?

By providing some basic information we can provide you with a custom proposal. Pictures and sketches are very helpful and if you prefer to speak with a fall protection expert just call or send us an e-mail. Fill out our [Request a Quote](#) form to send us your information.



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Some of our Clientele



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FLUOR

