GARGOYLE ROOFTOP GUARDRAIL SYSTEMS

FALL PROTECTION GUIDE

MADE IN AMERICA

MANUFACTURED BY **Fs FACTORY SUPPLY**.com

GARGOYLE IN ACTION

LEGEND

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rooftop guardrail

PASSIVE FALL PROTECTION THAT REQUIRES NO ADDITIONAL TRAINING WHEN INSTALLED

AN INVESTMENT IN FALL PROTECTION

On the leading edge of roof safety

- Meets or exceeds OSHA safety requirements with an engineered fall protection solution
- Reduces or eliminates extra PPE and training costs for staff and contractors
- Versatile, economic, and modular systems that fit any space
- Provides site-specific coverage (i.e. single HVAC unit) or full or partial perimeter coverage on a rooftop
- Quick and easy to install
- No direct or permanent attachments to the rooftop, eliminating the need for resealing and stopping unexpected leaks
- Lightweight (under 40 lb components), customizable, modular design that fits any space and reduces shipping costs

Gargoyle Rooftop Guardrail systems are non-penetrating, counter-weighted systems used to eliminate potential hazards from rooftop falls. They were engineered with a simple, modular design to facilitate quick and easy installations without the need for welding, drilling or bolting into the actual roof structure. Without direct or permanent attachments to the rooftop, resealing is not required, ensuring that unexpected leaks do not occur.

Consists of aluminum pipe, magnesium alloy fittings, and our all-new, redesigned, lightweight, stackable cast steel baseplates. Gargoyle systems are stable on almost all roof surfaces, inexpensive to ship, and fully customizable. Gargoyle systems can be reconfigured during installation to work in almost any situation and allow you to be in full compliance with the working at heights regulations in your jurisdiction.

Gargoyle Rooftop Guardrail, Hatch Guardrail, Ladder Series, Crossover Series, Skylight Guardrail, and Ladder Guardrail come in convenient kit formats that meet standard measurement requirements; however, being modular and fully customizable, Gargoyle products can be sized to fit any configuration and come with a sign-off from our in-house engineering team.

GARGOYLE ROOFTOP GUARDRAIL SYSTEMS

Rooftop Guardrail Systems

Modular guardrail system designed to protect employees and contractors that have to perform job functions at, or near the leading edge of a rooftop.

Available in standard kits or custom-designed systems by our in-house engineering team.

Skylight Guardrail Systems

Non-penetrating, free-standing systems that create a protective barrier around your skylights, roof lights, and dome lights. This passive solution prevents workers and contractors from falling into these (sometimes) hidden fall hazards.

Available in standard and customized dimensions.

Hatch Guardrail Systems

Designed to ensure that employees and contractors can easily enter and exit your rooftop safely by creating a spring-loaded and self-closing, gated barrier around any potential open access holes.

Available in standard and customized dimensions.

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CUSTOMIZABLE AND EASY TO ASSEMBLE

See page 7 for a full regulatory compliance guide

Fixed Access Ladder Systems

Permanent solution to provide easy access to roofs, mezzanines, or loading docks including exterior roof access and interior access to roof hatches and platforms. Designed for maximum climbing comfort and user confidence, allowing safe, compliant access to higher levels.

Available in standard and customized dimensions.

Rooftop Crossover Series

Robust and durable rooftop crossover systems that help ensure that workers and contractors are safe from rooftop trip hazards such as piping and other rooftop obstructions. Each system can be customized to fit your specific regulatory and access needs.

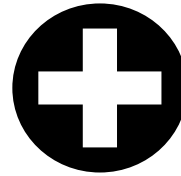Available in standard and customized dimensions.

Fall Arrest Systems

Non-penetrating systems that allow users the flexibility to place anchor points exactly where they need them. These systems allow for safe work near the roof edge and attach to the users lanyard. Stackable 40 lb baseplates in different configurations create fall arrest anchors that meet or exceed the regulatory requirements in your jurisdiction.
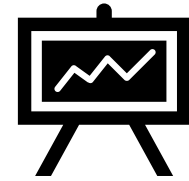
SAFETY IN NUMBERS

"Falls are the second leading cause of accidental or unintentional injuries and deaths worldwide. Each year an estimated 646,000 individuals die from falls globally. Prevention strategies should emphasize education, training, creating safer environments, prioritizing fall-related research and establishing effective policies to reduce risk." - *World Health Organization (2018)*

100% Preventable Injuries
An average of 233,176 workers were injured each year from fall related accidents from 2011 to 2019.
- *Bureau of Labor Statistics*

Direct Costs
Direct costs from fall related workplace injuries average $46,592 per injury. This does not include lost time and profit.
- *National Council on Compensation Insurance*

Lost Time
Fall injuries are the primary cause of lost time at work. Fall victims miss an average of 11 days of work and 22% of falls result in more than 31 days of missed work.
- *Bureau of Labor Statistics*

Fatalities
The second leading cause of workplace fatalities was due to falls. This amounts to an average of 15.83% of workplace fatalities per year from 2009 to 2018.
- *National Safety Council*

Is cutting corners on safety requirements worth the risk?

Gargoyle Rooftop Guardrail is an investment in protecting your workforce that ends up saving you time, money, and liability. Short of eliminating rooftop hazards altogether, Gargoyle is an engineering control that meets or exceeds OSHA requirements.

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WHEN IS GARGOYLE REQUIRED?

	ROOFTOP GUARDRAIL	HATCH GUARDRAIL	SKYLIGHT GUARDRAIL	LADDER RAILING	ARREST ANCHOR
UNITED STATES - CONSTRUCTION ACTIVITIES LEGISLATION					
OSHA 1926 Subpart M: Fall Protection - 1926.501(b)(2)(ii) Each employee on a walking/working surface 6 feet (1.8 m) or more above a lower level where leading edges are under construction, but who is not engaged in the leading edge work, shall be protected from falling by a guardrail system, safety net system, or personal fall arrest system. If a guardrail system is chosen to provide the fall protection, and a controlled access zone has already been established for leading edge work, the control line may be used in lieu of a guardrail along the edge that parallels the leading edge.	✔		✔	✔	✔
OSHA 1926 Subpart M: Fall Protection - 1926.501(b)(4)(i) Each employee on walking/working surfaces shall be protected from falling through holes (including skylights) more than 6 feet (1.8 m) above lower levels, by personal fall arrest systems, covers, or guardrail systems erected around such holes.		✔	✔		
UNITED STATES - INDUSTRIAL ACTIVITIES LEGISLATION					
OSHA 1910 Subpart D - Walking-Working Surfaces - 1910.28(b)(1)(i) Except as provided elsewhere in this section, the employer must ensure that each employee on a walking-working surface with an unprotected side or edge that is 4 feet (1.2 m) or more above a lower level is protected from falling by one or more of the following: 1910.28(b)(1)(i)(A) - Guardrail systems; 1910.28(b)(1)(i)(B) - Safety net systems; or 1910.28(b)(1)(i)(C) - Personal fall protection systems, such as personal fall arrest, travel restraint, or positioning systems.	✔		✔	✔	✔
OSHA 1910 Subpart D - Walking-Working Surfaces - 1910.28(b)(7) Openings. The employer must ensure that each employee on a walking-working surface near an opening, including one with a chute attached, where the inside bottom edge of the opening is less than 39 inches (99 cm) above that walking-working surface and the outside bottom edge of the opening is 4 feet (1.2 m) or more above a lower level is protected from falling by the use of: 1910.28(b)(7)(i) - Guardrail systems; 1910.28(b)(7)(ii) - Safety net systems; 1910.28(b)(7)(iii) - Travel restraint systems; or, 1910.28(b)(7)(iv) - Personal fall arrest systems.		✔	✔		✔