

SEPARATING PEOPLE FROM HAZARDS

Rooftop Safety Audit













- WORK WITH OUR FALL PREVENTION EXPERTS TO PERFORM A ROOFTOP SAFETY AUDIT
- RECOGNIZE HAZARDS THAT EXIST ON THE ROOF
- LEARN ABOUT KEE SAFETY SYSTEMS THAT PREVENT THE RISK OF FALL
- IMPROVE WORKER SAFETY WITH SOLUTIONS THAT EXCEED OSHA COMPLIANCE.



OSHA Code: 1910.28(b)(13)

Unprotected Edges

The edge of the roof is the most visible hazard, and typically the hazard most people want to protect first. Proximity to the roof edge is

a significant factor in identifying the likelihood of an accident occurring.

of an open roof edge, each worker must be protected from falling with a

guardrail system or other approved safety system. Frequently, a worker's

It is important to document if the equipment too close to an unprotected edge.

purpose for accessing the roof is to service a piece of equipment.

OSHA regulations cite that any building where work is performed within 15'

OSHA Code: 1910.28(b)(3)(i)

OSHA Code: 1910.28(b)(3)(iv)

Access Points

Access points are the most frequented hazard

on any rooftop. Workers are exposed to this risk

twice - every time they enter and exit the roof to

perform tasks. If a worker is required to access

all ladders and hatches be secured with a self-

closing gate and safety-compliant railing.

the roof 8 times per year, they are exposed to the

access point hazard 16 times. OSHA requires that

Rooftop Openings

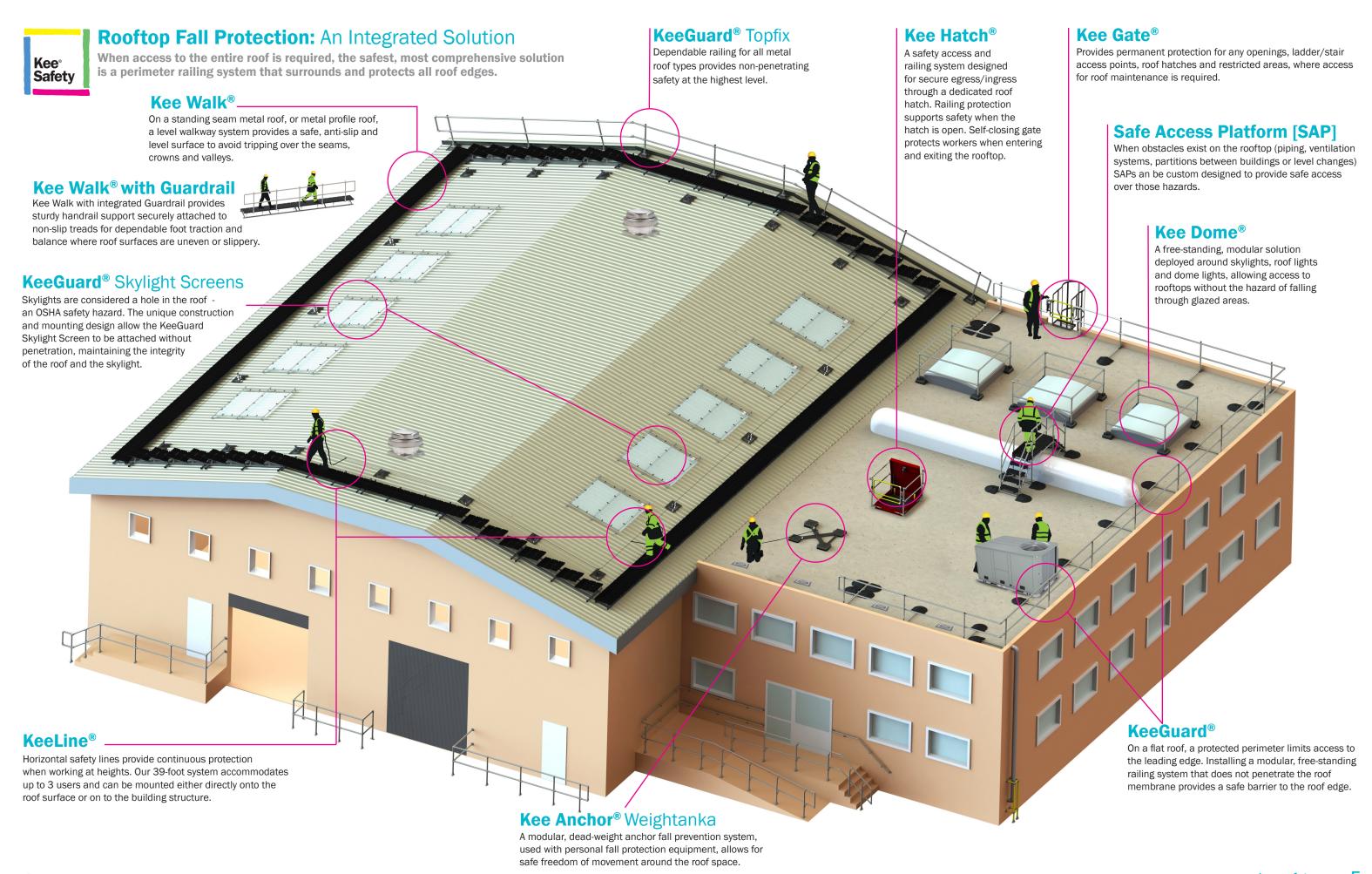
Openings are the most often overlooked hazard, so they are extremely critical to protect. OSHA considers skylights to be a hole in the rooftop which is why Kee Safety evaluates all rooftop openings as a serious risk concern.

Statistically, more people fall through skylights than over the open edge of a roof. As a worker is traversing the middle of the rooftop, they have a false sense of security. Operating far from the roof edge, carrying equipment, or focused on the job at hand, it is easy to misstep and fall through an unprotected skylight opening.

Obstacles

Understanding the path that workers take across the roof is necessary for a complete fall protection assessment. Obstacles on the roof force workers to unsafely climb over or step around the obstructions, often placing workers at risk by walking too close to the roof edge and slipping off.

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Hierarchy of Fall Protection

Depend on the Experts at Kee Safety

A truly comprehensive rooftop solution follows the Hierarchy of Fall Protection, the gold-standard of safety procedures. Our experts start by inspecting the roof site for potential fall hazards. From there, a complete system solution and recommendations that descend down the four levels of the hierarchy—from simple, sensible approaches for eliminating risks - all the way down to lifesaving personal protection systems.

ELIMINATE HAZARDS

The preferred solution to all fall hazards is elimination of the danger.



COLLECTIVE

This solution "collectively" protects everyone.

Rooftop perimeter guardrail is the most common example of collective fall protection



WORK RESTRAINT

Prevents a fall from occurring by using personal fall arrest equipment so that the user cannot reach the roof edge



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FALL ARREST SYSTEM

A fall is possible, but the fall is "arrested" or interrupted within an acceptable force and fall distance

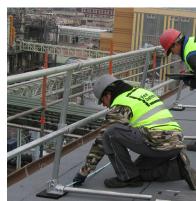


Kee Safety uses the Hierarchy of Fall Protection to reduce risk on the roof. Originated by OSHA, the goal is to expertly evaluate, provide a comprehensive strategy, and install a rooftop solution to successfully and safely separate people from hazards.

Collective Systems require no additional training to use. Work Restraint and Fall Arrest Systems both require a high level of user competency, training and additional inspection to be used effectively.







OSHA Industry Standards

OSHA standards have been updated to reflect industry fall protection requirements. Fall Protection OSHA standards are central to the use of this Rooftop Safety Audit.



Discussions on roof safety can be overwhelming regarding OSHA regulations, inspections, and regional standards. Kee Safety can assist you with a full understanding of the OSHA codes that are applicable to your specific rooftop safety concerns.

Access Points: 1910.28(b)(3)(iv)

Each employee is protected from falling into a ladder way, floor hole, or ladder way platform hole by a guardrail system and toe boards erected on all exposed sides, except at the entrance to the hole, where a self-closing gate or an offset must be used*

*Chains are no longer permitted for use as a fall protection system on rooftop access points.

Rooftop Openings: 1910.28(b)(3)(i)

Each employee is protected from falling through any hole (including skylights) that is 4 feet (1.2 m) or more above a lower level by one or more of the following:

- Covers
- Guardrail Systems
- Travel Restraint Systems
- · Personal Fall Arrest System

Unprotected Edges: 1910.28(b)(13)

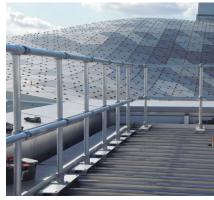
When work is performed less than 6 feet (1.6 m) from the roof edge, the employer must ensure each employee is protected from falling by a guardrail system, safety net system, travel restraint system, or personal fall arrest system.

When work is performed at least 6 feet (1.6 m) but less than 15 feet (4.6 m) from the roof edge, the employer must ensure each employee is protected from falling by using a guardrail system, safety net system, travel restraint system, or personal fall arrest system. The employer may use a designated area when performing work that is both infrequent and temporary.

When work is performed 15 feet (4.6 m) or more from the roof edge, the employer must: protect each employee from falling by a guardrail system, safety net system, travel restraint system, or personal fall arrest system or a designated area.

The employer is not required to provide any fall protection. provided the work is both infrequent and temporary; and implement and enforce a work rule prohibiting employees from going within 15 feet (4.6 m) of the roof edge without using fall protection in accordance with paragraphs (b)(13)(i) and (ii) of this section.









Benefits of a Rooftop Safety Audit with Kee Safety

- We provide you with a detailed action plan, prioritizing the areas deemed as "critical"
- Our experts create a customized solution that fits the exact needs of your facility
- Kee Safety fully documents your fall protection requirements for presentation to your peers, upper management, or budget approval board
 - · Organizes your budget requests
 - Presents a coordinated plan to inspectors
- Only Kee Safety offers a solution-designed proposal using products that:
 - Will not puncture your roof, cause roof leaks, or void your roof warranty
 - Are third-party tested to meet OSHA and ANSI Standards
 - Are extremely long-lasting (20-30 year life expectancy)
 - · Can be easily installed by your crew or local contractor



Installation

You can rely on Kee Safety and our worldwide network of certified installers to ensure compliance with all major standards and regulatory requirements. Our dedicated technical service team can provide a turn-key solution including on-site analysis, professional installation, advise on project costs and manage deadlines.

Kee Safety: Your Fall Protection Experts



Kee Safety is the leading expert and global manufacturer of safety components and fall protection systems. We are fully committed to Separating People from Hazards.

Established in 1934, Kee Safety has a proud history of engineering, manufacturing, and supplying the most trusted fall protection solutions, safety railing systems, and safe access equipment for working at height.

Please contact one of our qualified Fall Protection Experts to schedule a rooftop safety assessment today!



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