

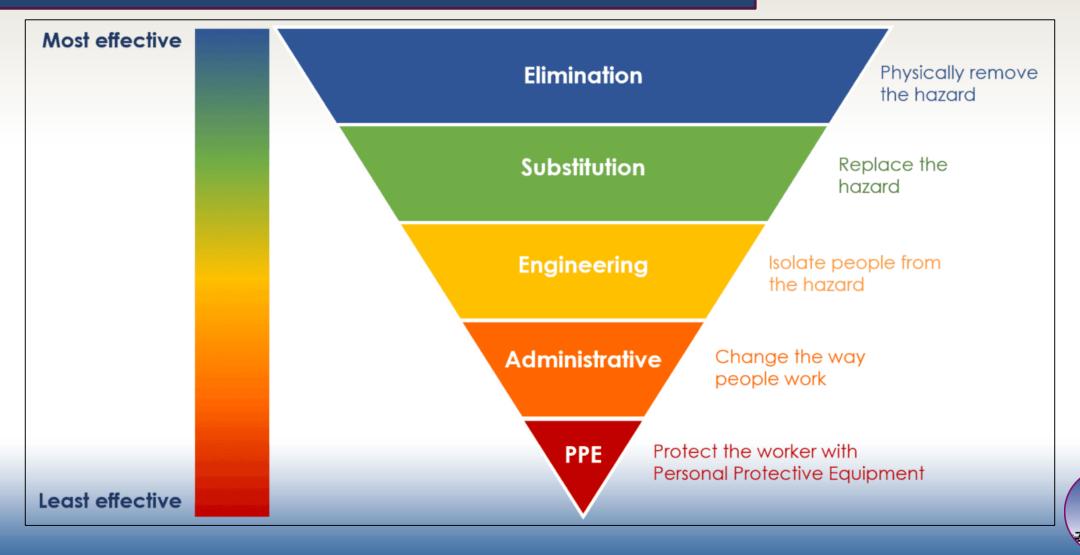
Lighthouse Safety

Specialists in Fall Protection, Rescue and Confined Spaces

Fall Protection

PROJECT DETAILS

Hierarchy of Controls



Risk Assessment Matrix

CONSEQUENCE (see pages below for further explanation)						INCREASING LIKELIHOOD >>>				
SEVERITY		PEOPLE	ENVIRONM ENT	ASSETS	REPUTATIO N	1 Rare	2 Unlikelq	3 Possible	4 Likely	5 Almost
						Never heard of in industry	Heard of in industry	Has happened in the organisation or more than once per year in industry	Has happened at the location or more than once per year in the organisation	Has happened more than once per year in the location
1	Slight	Slight injury or health effect	No or minimal consequences	Slight damage	Slight impact	LOW	LOW	LOW	LOW	LOW
2	Minor	Minor injury or health effect	Minor effect	Minor damage	Minor impact	LOW	LOW	LOW	MEDIUM	MEDIUM
3	Moderate	Major injury or health effect	Moderate effect	Moderate damage	Moderate impact	LOW	LOW	MEDIUM	MEDIUM	HIGH
4	Major	Permanent Total Disability (PTD)	Major effect	Major damage	Major impact	LOW	MEDIUM	MEDIUM	HIGH	HIGH
5	Catastrophi c	One or more Fatalities (F)	Massive effect	Massive damage	Massive impact	MEDIUM	MEDIUM	HIGH	HIGH	HIGH
CONSEQUENCE (see pages below for further explanation)						INCREASING LIKELIHOOD >>>				



Hatch & Skylight Fall Protection

- OSHA 1910.28(b)(3)(i)
 - Each employee is protected from fall through any hole (including skylights) that is 4 feet or more above a lower level by one more of the following: covers, guardrail systems, travel restraint systems, or personal fall arrest systems.
- OSHA 1910.28(b)(3)(ii)
 - Each employee is protected from tripping into or stepping into or through any hole that is less than 4 feet above a lower level by covers or guardrail systems.
- OSHA 1910.28(b)(3)(v)
 - Each employee is protected from fall through a hatchway and chutefloor hole



Hatch & Skylight Fall Protection Examples











Hatch & Skylight Fall Protection Examples











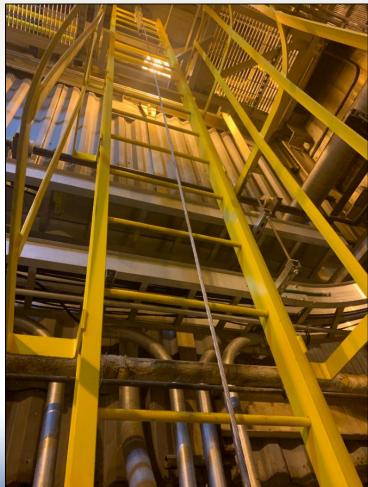


Ladder Fall Protection

- OSHA 1910.28(b)(3)(iv)
 - Each employee is protected form falling into a ladderway floor hole or ladderway platform hole by a guardrail system and toeboards erected on all exposed sides, except at the entrance to the hole, where a self-closing gate must be used.
- OSHA1910.28(b)(9)
 - For fixed ladders that extend more than 24 feet above a lower level, the employer must ensure: (A) Each fixed ladder installed before November 19, 2018 is equipped with a personal fall arrest system, ladder safety system, cage, or well; (B) Each fixed ladder installed on or after November 19, 2018 is equipped with a personal fall arrest system or ladder safety system; (C) When a fixed ladder, cage, or well, or any portion of a section thereof, is replaced, a personal fall arrest system of ladder safety system is installed in at least that section of the fixed ladder, care, or well where the replacement is located; and (D) On and after November 18, 2036, all fixed ladders are equipped with personal fall arrest systems or ladder safety systems.

Ladder Fall Protection Examples









Ladder Fall Protection Examples











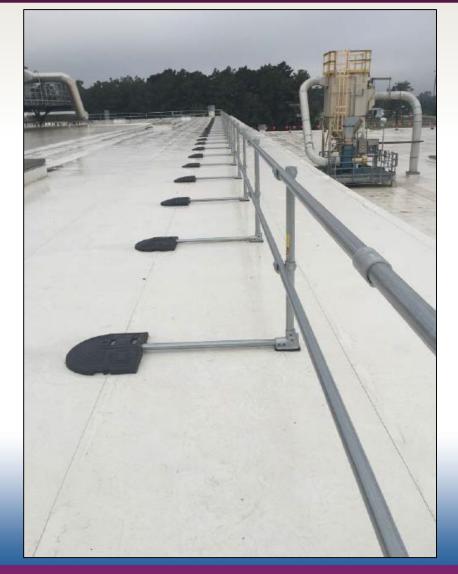
Rooftop Fall Protection

OSHA 1910.28(b)(13) Work on Low Sloped Roofs

- 1910.28(b)(13)(i) When work is performed less than 6 feet from the roof edge, the employer must ensure each employee is protected form 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.
- 1910.28(b)(13)(ii) When work is performed at least 6 feet but less than 15 feet 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.
- 1910.28(b)(13)(iii) When work is performed 15 feet or more from roof edge, the employer must: (A) 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 (B) Implement and enforce a work rule prohibiting employees from going within 15 feet of the roof edge without using fall protection in accordance with paragraphs (b)(13)(i) and (ii) or this section.

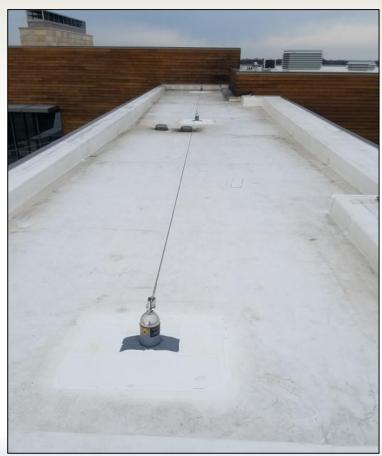


Fall Protection Examples











Fall Protection Examples













Fall Protection Examples











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