



Horizontal lifelines

A horizontal lifeline consists of a synthetic or wire rope, or fixed rail, rigged between two substantial anchor points. Lifeline systems allow the worker to move horizontally along the work surface while being connected to the lifeline.

Horizontal lifelines and their anchors may be subject to extreme forces in the event of a fall. Therefore, all **permanently** installed horizontal lifeline systems must be certified by a professional engineer.

Temporary horizontal lifeline systems are acceptable if they are:

- Manufactured for commercial distribution, and installed and used according to the written instructions provided, OR
- Installed and used according to the written instructions of a professional engineer, OR
- Installed and used according to each of the following requirements:
 - The horizontal lifeline is a minimum 12 mm (1/2 in.) diameter wire rope with a breaking strength specified by the manufacturer of at least 89 kN (20,000 lb.).
 - The horizontal lifeline is free of splices except at the terminations.
 - Connection hardware, such as shackles and turnbuckles, has an ultimate load capacity of at least 71 kN (16,000 lb.).
 - The span is at least 6 m (20 ft.) and not more than 18 m (60 ft.).
 - End anchors have an ultimate load capacity of at least 71 kN (16,000 lb.).
 - The horizontal lifeline has an unloaded sag of approximately the span length divided by 60.
 - The elevation of the line at any point is at least 1 m (39 in.) above the working surface.
 - The free-fall distance is limited to 1.2 m (4 ft.).
 - A minimum of 3.5 m (12 ft.) of unobstructed clearance is available below the working surface.
 - No more than three workers are secured to the horizontal lifeline.
 - The horizontal lifeline is positioned so it does not impede the safe movement of workers.



Project: _____ Address: _____

Employer: _____ Supervisor: _____

Date: _____ Time: _____ Shift: _____

Number in crew: _____ Number attending: _____

Other safety issues or suggestions made by crew members:

Record of those attending:

Name: (please print)	Signature:	Company:
1.		
2.		
3.		
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14.		
15.		

Manager's remarks: _____

Manager: _____ Supervisor: _____

(signature)

(signature)



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