

Fall protection work plan

Fall protection is required at four feet; however, a written plan is required at or above 10 feet

Department		Site location			
J	Job task				
Job location and description					
Р	Plan prepared by Date				
	This fall protection work plan must be po	osted	at the worksite for the duration of work		
•	 Workers must review and sign this fall p 	rotec	ction work plan prior to starting work.		
			ained in fall protection and the systemsand		
	equipment that will be used.				
1 1	dentify potential fall hazards – check all	that	annly		
<u> </u>	Mobile elevating work platforms		Stairways		
	Excavations/trenches		Roof steep slope (greater than 4:12)		
	Floor openings		Roof low slope (4:12 or less)		
_	Wall openings	П	Swing fall		
]	Skylight openings		Hazardous process/equipment		
	Roof openings	П	Debris/objects falling to lower level		
	Elevator shaft		Sharp edges		
	Ladders (fixed or portable)	П	Reinforcing steel installation		
	Scaffold		Other:		
2. I	Describe the fall hazards details				
	dentify fall protection systems to be use	ed			
	Guardrail system		Aerial lift		
	Covers (holes and openings)		Horizontal lifeline		
	Appropriate anchors for systems used		Vertical lifeline and rope grab		
	Personal fall arrest system		Warning line		

□ Positioning device system □ Safety watch □ Scaffold with guardrail □ Other: Scissor lift □ Other: 4. Describe procedures for assembly, maintenance, inspection, disassembly of fallprotection system to be used 5. Describe procedures for handling, storage, securing tools and materials 6. Identify methods of overhead protection for workers who may be in, or pass through thearea below worksite □ Barricading □ Toeboards/screens on scaffolds □ Hard hats required □ Toeboards/screens on guardrails □ Warning signs □ Sceure large tools □ Tool belts □ Other: □ Tool lanyards □ Other: 7. Identify method for prompt, safe removal of injured workers – call 911 if fall occurs □ Written agreement with: □ Other: □ Site first aid □ Other: □ Site first aid □ Other: □ Elevator/stairs □ Other: □ Evaluation by professional engineer □ Existing engineering/design documents □ Manufacturer's data □ Other: 9. Describe and identify locations of anchorage points		Personal fall restraint system		Safety monitor		
Catch net Catch		Positioning device system		Safety watch		
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☐ Manufacturer's data ☐ Other:	8. I	<u>. </u>	uacy			
		, , , , , , , , , , , , , , , , , , ,		Existing engineering/design documents		
9. Describe and identify locations of anchorage points		Manufacturer's data		Other:		
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10. Select system components	10					

	Full body harness		Choker	
	Vertical lifeline		Carabiner	
	Horizontal lifeline		Rope grab	
	Lanyard		Personal shock absorber	
	Boatswains chair		Beamer	
	Connecting devices (identify)	П	Anchorage points (identify)	
	Oth and		Oth - ···	
	Other:		Other:	
11.	Distance from anchor to ground, low	er leve	el or obstruction (see page 4	4 chart)
	g. cama, ion		or o	. •
12.	Calculated minimum fall clearance -	see pa	ge 4 chart	
		<u> </u>	-	
13.	Inspection Checklist			
	Identification tags			
	Horizontal lifeline tension is correct			
	Integrity of stitching in shock absorber			
	Integrity of stitching in harness/lanyard			
	Manufacturers assembly/disassembly instructions			
	Locking capability of retractable lanyards assured			
	Locking capability of carabiners assured			
	Locking capability of snap hooks assured			
	Knots and other connection methods do not weaken lifeline			
	Lifelines installed and protected from cuts or abrasions			
	Rope – wear, fraying, damage, mildew			
	Lanyards – wear, fraying, damage, mildew D-rings have adequate strength, are not cracked or deformed			
	Guardrails are sound and of adequate strength			
	Devices that are used to connect to horizontal lifelines lock in both directions			
	Anchorage points provide adequate strength and are capable of meeting requirements			
	Hole covers are secured, marked and capable of withstanding anticipated weight loads			
	Warning line meets strength and other requirements			
	Safety Monitor is Competent Person, can see workers, is close enough to communicate, has no other duties			
	Safety Watch is Competent Person, can see worker, is close enough to communicate, has no other duties			
	Other			
	Employee(s) trained to work under th			
Na	me, print Si	ignatu	ire	Date
				Click to enter date
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		Click to enter date			
		Click to enter date			
		Click to enter date			
Name/title of competent person who provided training under this plan					
15. Work plan approval(s)					
Name of lead worker or supervisor	Signature	Date			
		Click to enter date			
Name of competent person. If engineered system: name of qualified person					
		Click to enter date			
	·				
If administrative controls: name of de	·				
If administrative controls: name of dep	·				

Fall clearance is the minimum vertical distance needed between the anchor point and alower level, this can be the ground or lower obstruction, with a safety factor to prevent the worker from hitting the lower level in a fall.

What is the distance from the anchor point to the ground or lower level where aworker would fall?

If a worker falls, when wearing a fall protection system, what is the **minimum fall clearance** from the anchor point to the worker's feet including a 3 ft. safety factor?

Calculate as shown below.

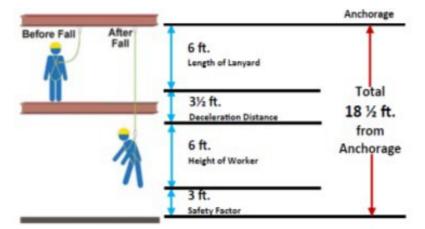
The calculated minimum fall clearance of a specific fall protection system may **never** beequal or greater than the distance between the anchor point and the lower level.

Description	Distance in ft.
Lanyard length or free fall distance forself-retracting lifeline	
Maximum allowable decelerationdistance	3½ ft.
Workers height	
Other component if applies	
Safety factor	3
Minimum fall clearance. Sum ofabove.	

Calculating fall clearance using a shock absorbing lanyard

Example:

- Add the length of the shock absorbing lanyard (6 ft.) to the maximum elongation of the shock absorber during deceleration (3½ ft.) to the average height of a worker (6ft.).
- 2. Then, add a safety factor of 3 ft. to allow for the possibility of an improperly fit harness, a taller than average worker and/or a miscalculation of distance.
- 3. The total, 18½ ft. is the suggested safe fall clearance for this example.

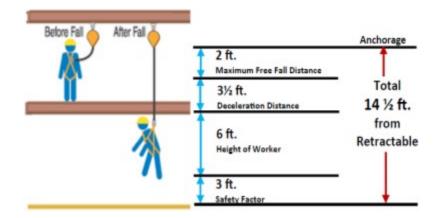


Note: Should the shock absorbing lanyard be used in conjunction with a cross-arm anchorage connector or other, the additional length of the anchorage connector must be taken into consideration.

Calculating fall clearance using a self-retracting lifeline

Example:

- 1. Add the maximum free fall distance (2ft.) with a retractable lifeline to the maximum deceleration distance (3½ ft.) to the average height of a worker (6ft).
- Add a safety factor of 3ft. to allow for the possibility of an improperly fit harness, a taller than average worker and/ or a miscalculation distance.
- 3. The total 14½ ft. is the suggested safe fall clearance distance for this example.



Note: When using a retractable lifeline, the distance is calculated from the point wherethe retractable attaches to the back D-ring of the worker's harness.