

Fall Protection – WELL Sheet

What Excellence Looks Like

WELL Sheet #:1007
Revision: 2025-02

Date:		Location:		
Permit:		<input type="checkbox"/> NB Power Workers	<input type="checkbox"/> Contractor Name:	
Observation team member:			Signature:	
Observation team member:			Signature:	
Fall Protection NBP standard HSEE-03-16. NB Regulation 91-191 sections 49.1 -50.5			Yes	No
1.	<p>Fall protection hierarchy of controls. <u>1.</u> Could working at heights be eliminated, like using a reach pole to change light bulbs at height? <u>2.</u> Can you install a physical barrier, like a guardrail around an unprotected edge? <u>3.</u> Can you use a travel restraint system, tethering a worker back just enough so they cannot reach a leading edge to fall? <u>4.</u> Use Fall arrest to reduce fall force and clearance margins within acceptable parameters when no other option is available.</p> <p>Whenever possible, use of guardrails, approved work platforms, scaffolds or elevated work platforms should be utilized to eliminate potential fall exposures. Verify perimeter guardrails, scaffolds, work platforms are installed correctly and properly protect workers from a fall.</p> <p><input type="checkbox"/> Guardrails</p> <p><input type="checkbox"/> Control Zone Warning line indicators for a low pitch roof (less than 3 in 12 pitch) with safety monitor / observer. Workers at all times must be 3meters or more from leading edge. (91-191 49(6))</p> <p><input type="checkbox"/> Travel Restraint system (Eliminates the possibility of worker falling to a lower level)</p> <p><input type="checkbox"/> Safety Nets</p> <p><input type="checkbox"/> Fall Arrest system (in the event of a fall is designed to stop a worker from hitting the level below the fall, minimizing injury. Typically harness, lanyard, anchor etc.)</p>			
2.	JHA, Safe Work Method, or documented procedure exists for work at heights and has been reviewed, is sufficiently detailed, and the control measures outlined are being followed.			
3.	Safety Nets. Are they installed and inspected by a competent person as per Safety Net Manufacturer's instructions. Meet regulation 91-191 49.8(1) and 49.8(2).			
4.	Travel Restraint. Must be designed to not allow the possibility of workers traveling beyond a leading edge where a potential to fall exists, otherwise a Fall Arrest system is required. (Travel Restraint system must be able to withstand 2 times maximum force as determined by a competent person) When it is used on a roof with a slope greater than 3 in 12, is attached to an anchor point that is capable of withstanding a 22 kN force or, if used under the direction of a competent person, four times the maximum load that may be generated in the fall-arresting system.			
5.	Is equipment appropriate for work environment? i.e. if hot work is being performed use metal cable systems and hot work specific harness <u>vs</u> synthetic lanyard.			
6.	<p>System components have been inspected by worker prior to use:</p> <p><input type="checkbox"/> Harness</p> <p><input type="checkbox"/> Lanyard</p> <p><input type="checkbox"/> Retractable</p> <p><input type="checkbox"/> Connectors</p> <p><input type="checkbox"/> Vertical Lifeline and Rope grab</p> <p><input type="checkbox"/> Other _____</p>			
7.	Fall Arrest system components (harness, lanyard, anchorage connectors etc.) have received an annual inspection by a competent person, and the annual inspection date is valid.			

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8.	Fall Arrest Anchor points are inspected by a competent person before initial use, as recommended by manufacturer, installer, or an engineer at least every 12 months as per regulation 91.191 section 49.3(1)(2)(3)(4)(5)			
9.	Anchor type being used: <input type="checkbox"/> Certified permanent engineer approved anchor point <input type="checkbox"/> Non-Certified anchor point that is selected by a competent person after a visual inspection of the location. Competent person must visually inspect and decide whether or not that area is capable of supporting 5000lbs. <input type="checkbox"/> Beam clamp <input type="checkbox"/> Tie off adapter sling <input type="checkbox"/> Steel beam <input type="checkbox"/> Other _____			
10.	Worker(s) is trained in fall protection and training is valid.			
11.	Fall Arrest code of practice document is required / available as per regulation 91-19 section 50.2(1)(2)(3)(4) when: <input type="checkbox"/> The worker(s) is working from a height of 7.5 meters (25ft) or more, <input type="checkbox"/> An officer (WSNB) requires a code of practice be written.			
12.	For Fall Arrest, has worker(s) considered: <input type="checkbox"/> Height of tie-off location (less free fall the better, tie-off above shoulder, not at feet) <input type="checkbox"/> Distance to level below (will worker hit an obstruction if they fall) <input type="checkbox"/> Swing fall kept to a minimum <input type="checkbox"/> Adequate distance for deployment of lanyard or retractable (see fall clearance calculation on page 3 of WELL Sheet)			
13.	For Fall Arrest, harness has suspension trauma safety straps and worker(s) understands how to deploy them?			
14.	For Fall Arrest, a rescue plan has been developed / communicated and understood. Means for summoning assistance is in place and required personnel and equipment is available.			
15.	Horizontal lifelines are designed and certified by an Engineer to meet the requirements of CSAZ259.16-04 <u>or</u> pre-engineered by an equipment manufacturer. If not pre-engineered / manufactured it must be constructed to regulation 91-191 section 49.7(1)			
16.	Horizontal lifelines are installed by a competent person as per regulation 91-191 section 49.6 (link to 17)			
17.	Vertical lifelines shall be used for its intended purpose only and shall only be used by one employee at a time as per regulation 91-191 sections 49.4(1)(2). <input type="checkbox"/> Properly anchored <input type="checkbox"/> Free of imperfections <input type="checkbox"/> Provided with protective devices at sharp edges or corners <input type="checkbox"/> Be clearly identified as a lifeline by color coding or other means such as tagging to prevent using for another purpose like hoisting material. <input type="checkbox"/> Rope grab in proper orientation (arrow up) , and rope grab is compatible with size of rope			

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NOTES:

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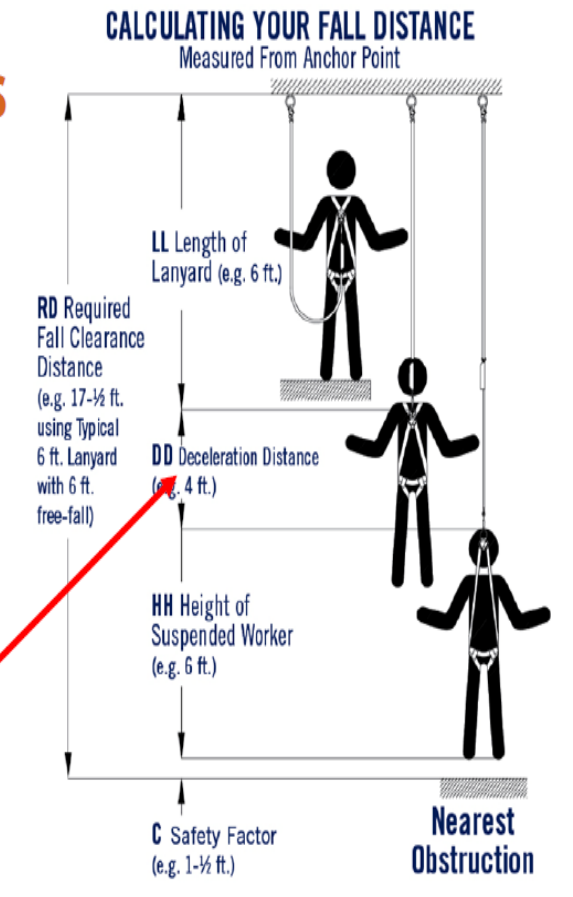
Fall Clearance Calculations

P.9

What are the considerations for calculating your fall distance from the anchor point?

$$RD = LL + DD + HH + C$$

Be mindful if you are using the newest lanyard standard that deployment may not be 4'



$$RD = LL + DD + HH + C$$

- 1) Add 1 ft. to **DD** for free-fall over 6 ft. up to 12 ft. or for person over 310 lbs. up to 420 lbs. with 6 ft. max. free-fall.
- 2) Add 1.7 ft. to **DD** for Canadian CSA Z259.11-05 (E6) compliant lanyard.
- 3) D-ring slide and harness stretch factors are built into **HH** and **C**.
- 4) **DD** shown in e.g. assumes maximum allowable amounts.
- 5) See User Instruction Manual for additional information.

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Code of Practice must be established when employees are required to work from a height of 7.5 meters (25 feet) or more, where a safety monitor and work procedure is used while weatherproofing, or as required by an officer.



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EMPLOYEES ATTENDANCE / TRAINING REQUIREMENTS				
Print Name	Initial	Have you been trained in your personal fall protection? (harness/lanyard)	Do you understand the fall protection equipment and systems being used on this job?	Do you understand the rescue plan?
RESCUE PLAN (equipment / procedures/ description of possible hazardous situations)				
SKETCH (optional)				