

THE RESPONSE GROUP INC.
DAVE McCASHIN
MANAGING FALL HAZARDS



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MANAGING FALL HAZARDS

- What is a fall hazard?
- How are hazards controlled?
- What are special fall arrest considerations?
- What your responsibilities?



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HAZARD ASSESSMENT

- must the worker climb to the work area?
- where is the work conducted?
- what factors would contribute to a fall?

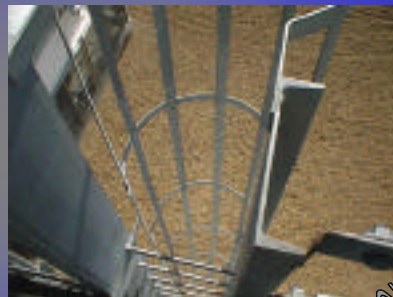


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FIXED LADDERS

- transitions to platforms
- rung spacing and obstructions
- rest platforms and cages
- proper securing



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hazard assessment

PERMANENT PLATFORMS

- guardrail height
- position of work surface
- midrails and openings
- protection at the top of ladders



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hazard assessment

OTHER WORK SURFACES

- strength
- trip hazards
- holes and openings
- distance from openings
- potential fall distances



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hazard assessment

TEMPORARY WORK PLATFORMS

- ladder stands
- scaffolding
- scaffold erection procedure
- manlifts
- other improvised work platforms



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PORTABLE LADDERS

- appropriate applications
- written procedures
- use as a work platform
- applications where ladder cannot be secured properly



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ROOF ACCESS

- method of access
- slope
- openings
- type of work required



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HAZARD CONTROL

- plan in advance
- investigate work procedures
- ensure fall arrest procedures are adequate



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PLANNING / ENGINEERING

- restrict access to hazardous areas
- plan for use of scaffolding or manlifts
- engineer access and work platforms for frequent or awkward work

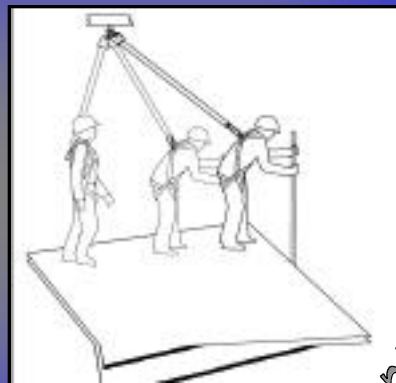


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WORK RESTRAINT

- purchase appropriate equipment
- position permanent engineered anchors
- develop procedures for use



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FALL ARREST

- purchase appropriate equipment
- establish anchoring locations
- develop fall protection plans
- training



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hazard control

HARNESSES SUSPENSION



- restricts circulation
- positioning can complicate shock
- self rescue should be encouraged
- rescue plan is critical

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fall arrest

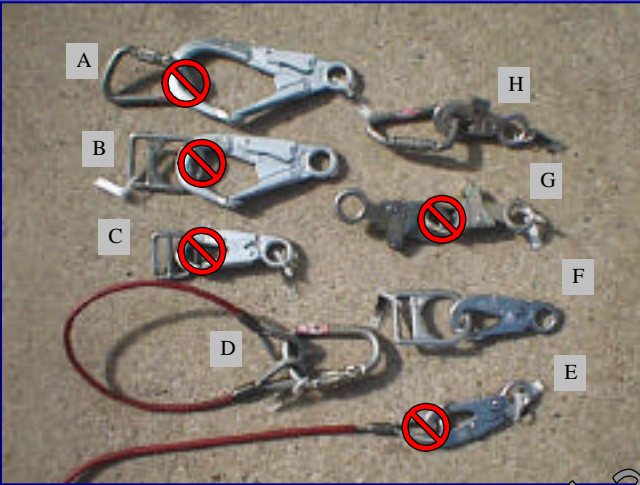
SHOCK ABSORPTION



- even more critical with low stretch lanyards
- shock absorbers must be in good condition

fall arrest

COMPATIBLE HARDWARE



Which combinations would you use

fall arrest

HARNESSES FITTING



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fall arrest

FALL PROTECTION PLAN



- encourages proper planning
- usually required when there is no guardrails
- document hazards
- methods for mitigating hazards
- written rescue plan

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fall arrest

RESPONSIBILITY OF SAFETY PERSONNEL



- regulations
- CSA standards
- conduct risk assessments
- develop procedures
- procure equipment
- audit work site
- authorize worker training

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WHAT DOES A WORKER NEED TO KNOW?



- recognize a fall hazard
- choose basic equipment
- fit a harness correctly
- inspect equipment
- assess anchors
- limit free fall
- ensure sufficient clearance

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SUMMARY

1. A fall hazard is determined by:

- type of work surface
- guardrail / cage design
- distance from edge
- fall distance
- landing surface



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SUMMARY

2. Manage fall hazards with:

- informed personnel
- passive methods first
- work restraint if possible
- fall arrest



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SUMMARY

3. Choose equipment carefully:

- easy to use
- appropriate for the application
- CSA approved or
- tested with documentation or
- engineered



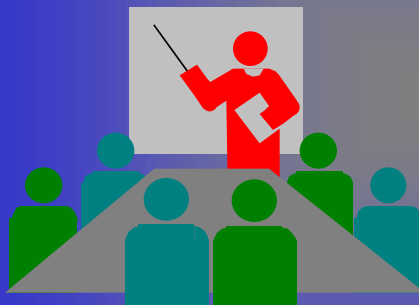
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SUMMARY

4. Proper preplanning:

- plan fall protection prior to the job
- relevant training
- access to good equipment
- audit work in areas with fall hazards



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Dave McCashin

974 Ogilvie Blvd
Edmonton, AB, Canada
voice • (780) 439-6400
fax • (780) 439-2793
[www. responsegroup.ca](http://www.responsegroup.ca)

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