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Construction Ergonomics Checklist



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Scott Schneider, [Michael McCann](#)
 The Center to Protect Workers' Rights

To be filled out and updated jointly by contractors and union reps — every 2 weeks or as a site changes. This document is intended to help develop an "eye" for ergonomic problems and prevent injuries.

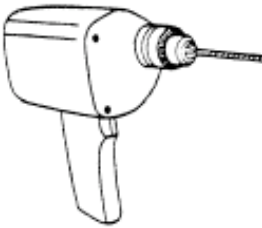
Date: _____ Site: _____ General contractor: _____
 Union rep: _____ Subcontractor: _____ Signature: _____
 (Person filling out this form)

Materials Handling

What heavy materials or equipment are being handled on site — drywall, rebar, concrete forms, anything over 20 pounds?	
	
Do any workers have to lift more than 50 pounds at one time without help?	Yes ___ No ___
Do workers have to lift more than 20 pounds often? If yes, how can this be changed?	Yes ___ No ___
Are there handles to help carry materials? If yes, are the handles easy to use and comfortable?	Yes ___ No ___ Yes ___ No ___
Are workers told to get someone's help to lift heavy materials? Are there carts, dollies, or other aids readily available for moving materials? If yes, are the carts being used? If no, why not?	Yes ___ No ___ Yes ___ No ___ Yes ___ No ___
If no, is the site clear enough to permit the use of carts?	Yes ___ No ___
Are materials delivered as close as possible to where they will be used? If no, how can this be changed?	Yes ___ No ___

On what jobs do workers have to lift overhead?	
How can this lifting be avoided?	
Are materials stored at floor or ground level? If yes , do workers have to bend down to lift materials? Can the materials be stored at waist height?	Yes ___ No ___ Yes ___ No ___ Yes ___ No ___
On which tasks do workers have to stretch to pick up or lift materials?	
Can the materials be kept closer?	Yes ___ No ___

Tools



Are tools sharp and in good condition?	Yes ___ No ___
Which tools are very heavy or not well balanced?	
Which tools vibrate too much?	
Which tools must be used while in a difficult position?	
Which tools have poor handle design?	
<ul style="list-style-type: none"> • grips too big or too small? • handles that are too short and dig into hands? • handles with ridges that dig into hands? • slippery handles? 	
Which tools require bending of wrists to use?	
Do gloves ever make it hard to grip tools?	Yes ___ No ___
Are there other tools with a better design? If yes , what are they?	Yes ___ No ___

Repetitive Work

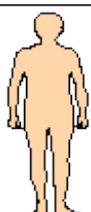
Which tasks or jobs use the same motion dozens of times an hour for more than 1 hour per day?
What are the motions?

Can the number of repetitions be reduced by job rotation or rest breaks?	Yes ___ No ___
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Awkward Postures

Which tasks involve work above the shoulders for more than 1 hour a day?	
Can scaffolds, platforms, or other equipment cut down on the need to work overhead?	Yes ___ No ___
Which tasks or jobs involve work at floor level or on knees for more than 1 hour a day?	
Are knee pads or cushions available and are they used?	Yes ___ No ___
Can equipment be used to reduce kneeling?	Yes ___ No ___
Which jobs require workers to stay in one position for a long time?	
Can rotation or rest breaks be used to reduce time in awkward postures?	Yes ___ No ___
Which jobs require a lot of twisting or turning?	
Which jobs require a lot of bending?	
How can the need to twist or bend be reduced?	

Standing

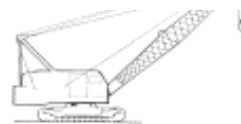
What jobs require workers to stand all day, especially on concrete floors?	
Can anti-fatigue matting be used?	Yes ___ No ___
Is it possible to use adjustable stools to allow workers to rest now and then?	Yes ___ No ___

Surfaces for Walking and Working

Are working and walking surfaces clean and dry?	Yes ___ No ___
Are the surfaces unobstructed?	Yes ___ No ___
Are the surfaces even?	Yes ___ No ___

Seating

What jobs require sitting all day?	
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Are the seats well-designed, easy to adjust, and comfortable?	Yes ___ No ___
In heavy equipment, do workers have to lean forward to see/do their work?	Yes ___ No ___
Does the seating in any heavy equipment vibrate a lot?	Yes ___ No ___

Production pressures

Do any workers work piece rate?	Yes ___ No ___
Have supervisors or workers been under production pressures that could lead to shortcuts and injuries?	Yes ___ No ___
How could this problem be reduced? More rest breaks? ___ More safety meetings? ___ A special safety rep on site? ___ Other ___	

Training

What training have workers had on ergonomics — preventing musculoskeletal disorders?

What training have supervisors had on ergonomics — preventing musculoskeletal disorders?

Musculoskeletal Symptoms

Do workers feel free to report symptoms?	Yes ___ No ___
Have any workers been reporting muscle pain, tingling, numbness, loss of strength, or loss of joint movement?	Yes ___ No ___
If yes, where? <ul style="list-style-type: none"> • Back ___ • Neck ___ • Shoulder ___ • Arm ___ • Wrist ___ • Knee ___ 	
Which trades have the most problems?	
And what may be the main cause(s)? <ul style="list-style-type: none"> • Repetitive motion ___ 	

- Awkward postures _____
- Fixed postures _____
- Heavy lifting _____
- Not enough rest breaks _____
- Other _____

Do workers often appear exhausted at the end of the day? Yes _____ No _____

Solutions

What jobs on site are the most hazardous for musculoskeletal injuries?

- Most hazardous jobs for musculoskeletal injuries**
- 1.
 - 2.
 - 3.
 - 4.
 - 5.

What has been done to get worker ideas to help reduce musculoskeletal injuries on the job?

What can be done working together to reduce these injuries?

What can be done to reduce the hazards or make the jobs easier?

Proposed solutions

Most Effective	Easiest to Implement	Least Expensive
<ol style="list-style-type: none"> 1. 2. 3. 4. 5. 		
Least Effective	Hardest to Implement	Most Expensive

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