

# SAFETY MEETING

Company Name: Superior Waterproofing

Tool Talk #16

Date: 4/22/2022

## TWO-POINT SUSPENDED SWING SCAFFOLDS

When working on a wire rope suspended scaffold the failure of the wire rope or other components presents a true “free fall” hazard. Therefore, it is imperative that each worker **KNOW AND UNDERSTAND** the following items:

The scaffold must be sufficiently supported. Outrigger beams must be set up and counterweighted so that they will support at least ***four times the torque capacity of the climbing motors.*** Counterweights and outrigger beams must be **inspected daily before each use.**

Wire ropes must be made up properly, oiled and kept free of dirt, sand, cement, etc. Chafing of cables will be prevented by using anti-chafing protection such as burlap, lumber, or rubber hose. The correct number of **J-clamps** must be used (**at least 3**) on each rope, and thimbles must be used at connecting points. Also, the proper type of shackle must be used. Wire rope must be insulated if welding is to be done from the platform or if the rope is to be exposed to welding arc. Wire rope and attachments must be **inspected daily.**

Each person working on the suspended scaffold **must have his own independent life line.** Each lifeline must be connected to an anchor point which is capable of sustaining a 5,400 pound load. Lifelines may be wire rope or artificial fiber rope, such as nylon or polyester. Natural fiber ropes are not permitted. **Lifelines must be inspected daily for damage or deterioration.** Ultra-violet light from the sun has a damaging effect on most rope unless it is specially treated. If you bend a section of polyester rope and it sheds then it is due for replacement as a lifeline. Use 5/8” or 3/4” rope which is designed for lifelines. Persons on suspended scaffolds should be protected from falling by a **full body harness** which must be worn at all times and while getting on/off and working on scaffold. Make sure that the rope grabs are correct for the lifeline in use and attached as high above the worker as possible, limit fall to 6 feet.

All **scaffolds that are rigged over the side of the building** must have:

- End frames or stirrups with toe boards. Where the scaffold is over pedestrian traffic, 1/2 inch hardware cloth or netting of the same rating and size will be required on the scaffold.
- Guardrail supports with a maximum spacing of 8 feet between supports.
- Two guardrails, one which will serve as top rail 42 inches above the deck of the work platform, and one which will serve as mid rail 24 inches above the work platform. These rails will be fastened to all center irons.
- One toe board on the bottom platform resting on top of the platform and fastened to all center irons so as to leave no space between the platform and bottom of toe board. Toe boards must be a minimum of 4 inches high. Hardware cloth (1/2 inch square size), or netting of same rating and size, will be securely fastened to outside of guardrails and toe boards so as to prevent objects from falling from the scaffold.

Warning signs and barricades will be used for public protection. No one, other than trained employees, should ride or work from swing scaffold.

**Electrical scaffolds** – The circuit should be grounded so that any power tool used on the scaffold, and the power that comes from the scaffold, is also properly grounded. All electrical connections should use waterproof connections. Excess cable must be coiled at roof level. The lower end should be left free to twist as the machine operates.

**At the end of each workday,** all scaffolds will be secured to the building and all tools and pails will be lashed to the scaffold. On rope fall scaffolds, secured night hitches will be installed. All excess fall lines will be hauled up and coiled neatly on the work platform. On electric scaffolds, all safety lines and cables should be secured and electrical outlets shut off.

**QUESTION:** I have read and understand the above information. YES NO

***WHAT UNSAFE OPERATIONS DID YOU OBSERVE ON YOUR JOBSITE THIS WEEK?***

*What Corrective action was taken?* \_\_\_\_\_

Meeting Attended By \_\_\_\_\_

Supervisor's Signature \_\_\_\_\_