

## MAST CLIMBING WORK PLATFORM SAFETY TIP SHEET: JOB SURVEY

Mast Climbing Work Platform (MCWP) safety begins with an effective job survey, completed by a qualified person. It should identify the most effective installation plan AND identify the existing and predictable hazards to be resolved. This Safety Tip Sheet is designed to assist in identifying many of the main aspects to be considered.

- ✓ **PRIMARY PURPOSE** – Establishing the primary purpose for the equipment can help identify answers to the following:
  - What capacity is required?
  - What travel speed is required?
  - What platform configuration(s) are required?
  - How many initial installations, how many repositions, and likely duration?
  - What planking is required?
  
- ✓ **GROUND CONDITIONS:**
  - Can the ground take the weight of the units being proposed?
  - Are there any underground protrusions like basements, parking structures, which may require shoring?
  - Is there any drainage or trenching work scheduled in the vicinity of the MCWP base?
  - **REFER TO THE SAIA/OSHA ALLIANCE TIP SHEET – GROUND CONDITIONS**, for further information.
  
- ✓ **MAST PLACEMENT:**
  - Will any of the mast positions block emergency egress from the structure?
  - Are there any voids, balconies, step-ins which will affect the mast positions?
  - Are there any overhead power lines near the intended equipment positions?
  - Are there any future crane or hoist installations planned which may interfere with mast positions?
  
- ✓ **MAST ATTACHMENT:**
  - How will the mast be attached to the structure?
  - What will the tie intervals be? Do they meet manufacturers' requirements?
  - Is there reinforcement/post tension cables present in the slab which could affect anchor depth?
  - Is the parapet suitable for mast anchorage?
  - **REFER TO THE SAIA/OSHA ALLIANCE TIP SHEET – TYING TO THE STRUCTURE** for more detail.

This was prepared by members of the Scaffold & Access Industry Association MCWP Council.

The MCWP Council focuses on engineering and safety aspects of scope products.

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- ✓ **GENERAL SITE CONDITIONS:**
  - Is there an identified lay-down and storage area on the site?
  - Is there available access for delivery trucks and company vehicles?
  - Are any of the mast positions near the site entrance or high traffic areas?
  - Is there an orientation process required for operational staff?
  - What are the site rules for Fall Protection?
  - Are there site requirements for certification e.g. OSHA 30, Forklift License, Rigging and Signaling?
  - What are the chemical control requirements e.g. spill kits, SDS?
  
- ✓ **DISMANTLE PHASE:**
  - Will the tower crane be available?
  - What effect will anchor removal have on stability?
  - Will there be truck access for equipment removal?
  
- ✓ **TRAINING:**
  - What will the training requirements be throughout the project duration? (e.g. How many user companies?)
  - What type of training will be required? (e.g. Operator, Installer?)

Although not an all-inclusive list, this Tip Sheet provides general considerations necessary to be able to fully complete an installation plan. Additional specific job site conditions may require further analysis/consideration.

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