

**From:** McCune, Larry@DIR <LMcCune@dir.ca.gov>

**To:** Joe Aujay <elevatorllc@aol.com>

**Cc:** Bell, Patrick@DIR <PBell@dir.ca.gov>

**Subject:** RE: swing stage use in proximity to a construction elevator (manlift)

**Date:** Thu, Mar 21, 2013 1:14 pm

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Joe,

I did get your email and was looking into the issue--just working part time.

I agree that swing stages need stabilization and hoist tail lines/safety lines need to be secured from contacting a moving construction personnel hoist (CPH) when it is operating. There is not a specific distance in the regulations.

Section 1658(b) states: All scaffolds shall be fastened or hung so as to avoid swaying from the building or structure. Window cleaners' anchors shall not be used for this purpose. Supporting cables shall be vertical for their entire length, unless otherwise designed by a currently registered civil engineer in California. The baskets of single-unit, power-driven suspended scaffolds shall not be swayed nor shall support cables be fixed to intermediate points to change the original paths of travel.

Section 1604.5(c) Hoistway Enclosures. (1) Hoists Located Outside of Structures. For hoists located outside of structures, the enclosures, except those at the lowest landing, may be omitted on the sides where there is no floor or scaffold adjacent to the hoistway. Enclosures on the building side of the hoistway shall be full height or a minimum of 8 feet at each floor landing. Enclosure at the pit shall be not less than 8 feet on all sides.

The CPH hoistway would have to be enclosed if the CPH was operated where it would contact a suspended scaffold or workers on the scaffold. That specific distance is not specified in the safety orders. If the suspended scaffold was secured from swaying that distance would fall under guarding requirements such as section 4002(a):

§4002. Moving Parts of Machinery or Equipment.

(a) All machines, parts of machines, or component parts of machines which create hazardous revolving, reciprocating, running, shearing, punching, pressing, squeezing, drawing, cutting, rolling, mixing or similar action, including pinch points and shear points, not guarded by the frame of the machine(s) or by location, shall be guarded.

That distance, requiring guarding, refers to a fixed condition and one would need to consider that distance (an arms length) plus the scaffold sway. I would consider a suspended scaffold length to be a reasonable distance for a scaffold utilizing sway stabilization and when the hoist tail lines and safety lines are secured. If that distance cannot be maintained from an operating CPH they should not be operated at the same time.

Larry

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From: Joe Aujay [elevatorllc@aol.com]

Sent: Thursday, March 21, 2013 12:13 PM

To: McCune, Larry@DIR

Subject: Fwd: swing stage use in proximity to a construction elevator (manlift)

Larry haven't heard from U. did you get this and where do we go from here?