Subject: SIGNS REQUIRED IF COUNTERWEIGHT RUNBY ON ELEVATORS IS NOT THE MAXIMUM ALLOWED BY THE B44

Sent to: ELEVATOR CONTRACTORS IN SCOPE A1 & F1

Item 1: ORDER TO CONTRACTORS INSTALLING NEW ELEVATORS

If the MAXIMUM BOTTOM COUNTERWEIGHT RUN BY (as indicated in box 62 of the Specification Sheet #ID-29410) is limited to less than 914mm (36") for any reason, typically in order to ensure that the minimum top-car clearance (as specified in box 71 of the Specification Sheet) conforms to the Code, the following sign, with letters a minimum of 25mm (1") in height, must be permanently attached to, or printed on, the hoistway wall in the vicinity of the counterweight buffers:

"WARNING: MAXIMUM BOTTOM COUNTERWEIGHT RUN BY IS…………… "

Item 2: ORDER TO CONTRACTORS MAINTAINING ELEVATORS

When changing or shortening ropes on elevators, you must ensure that top-car clearances are in accordance with clause 2.8.1.5 of CSA/B44 Code (1975). If you find that the maximum bottom counterweight clearance is required to be less than 914mm (36"), you are advised to post the sign mentioned in 1. above.

Item 3: REASON

Clause 2.8.1.4 of the CSA/B44 Code (1975) limits the maximum counterweight bottom run by to 914mm (36"), and therefore permits the maximum run by to be less than 914mm, generally to accommodate a “short hoistway overhead”.

However, at the time of re-roping, the mechanic may not be aware of the run by limitation and if he fails to check the top-car clearances, he may routinely set the counterweight bottom run by to 914mm (36"), therefore violating the Code requirements with respect to the top-car clearances and creating unsafe conditions in the car overhead.

T. Gordon Smith, P. Eng. -Director