ELEVATING DEVICE SAFETY BULLETIN

May 14, 2009

OIL SEPARATOR & OPTIONS

This Bulletin is being issued by Public Works and Services to inform you of as of September 01, 2009, the Electrical Protection Regulations will adopt the latest edition of the CSA B-44-07 Safety Code for Elevators, Escalators and Moving Walks.

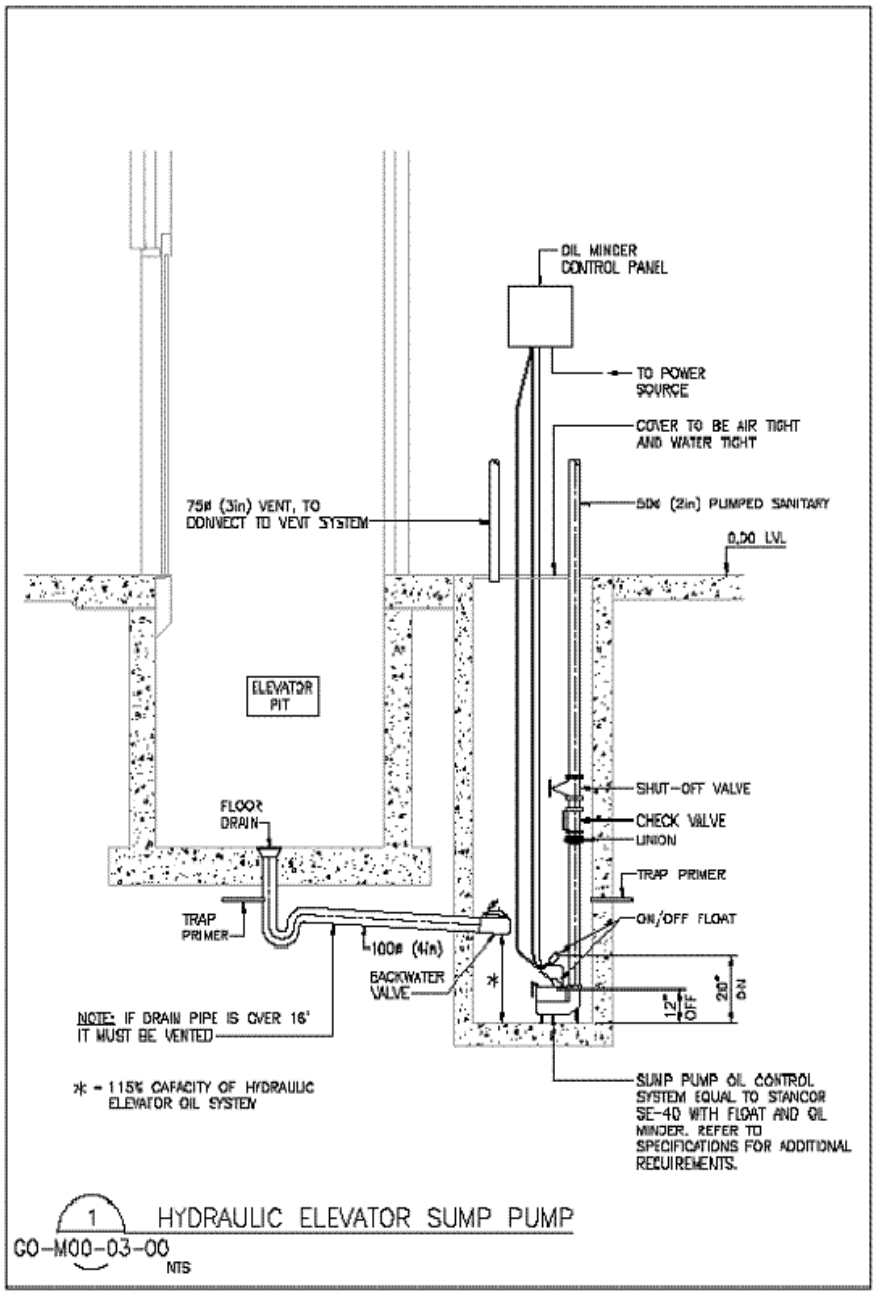
A new requirement (2.2.2.5) is that all elevators penetrating a floor shall be equipped with Firefighter Emergency Operation. This also means that a pit drain leading to a sump pit shall be provided with a sump pump with the capacity to remove 3000gph per elevator. A positive means to prevent entry of liquids, gases and odours into the hoistway shall be provided.

In the case of Hydraulic Elevators please note the additional requirements remain.

1. The sump pit shall be sized to hold 115% of the hydraulic oil system below the inlet from the pit drain.
2. The pit floor drain shall be equipped with a primed trap operated by a solenoid valve.
3. The pit drain shall be equipped with a back water valve.
4. If the pit drain pipe is longer than 16’ – 0” it shall be vented.
5. The pit drain pipe shall be a minimum of 4” diameter.
6. The sump pump shall have the capacity of removing 3000 gph per elevator.
7. The sump pump if equipped with an oil sensor, should have the sensor submerged in 12” of water at all times.
8. The sump pit cover shall be air tight and water tight.
9. The sump pit shall be vented (3”)
10. The sump pump discharge line shall be equipped with a union, check valve and shut off valve.

Note 1: A sample sketch of a pit drain system for a traction elevator and a hydraulic elevator that is acceptable is attached.

Note 2: The sketch for the "Hydraulic Elevator Sump Pump" is another acceptable alternative for oil interception associated with the installation of hydraulic elevator pit drains and is not intended as a promotion of Stancor's SE-40 system.



1 HYDRAULIC ELEVATOR SUMP PUMP

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