

BC BUILDING CODE INTERPRETATION COMMITTEE

A joint committee with members representing
AIBC, APEGBC, BOABC, POABC

File No: 06-0098

INTERPRETATION

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Interpretation Date:	Oct 18, 2011
Building Code Edition:	BC Building Code 2006
Subject:	Elevator Pit Drains
Keywords:	Elevator Pit , Drains
Building Code Reference(s):	7.4.3.6.(1)(a)(b) ; 7.5.5.2. ; 7.5.6.3.

Question:

1. Does the BCBC permit the installation of a gravity drain system serving an elevator pit?
2. If so, can the drain system be connected to a sump located outside of the building over 30m away from the elevator?

Interpretation:

1. YES

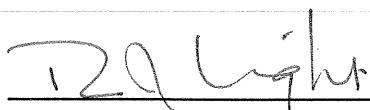
Where a trapped drain complete with a trap primer is installed Clause 7.4.3.6.(1)(a) indicates the drain must connect directly to a sump located outside of the elevator pit. The drain piping from the elevator drain and the sump including the sump itself, cannot receive drainage from any other sources The outlet pipe of the sump shall be vented and connected to the sanitary drainage system and Clause 7.4.3.6.(1)(b) requires a backwater valve be installed on the outlet pipe of the sump.

2. YES

If the developed length of the drain pipe between the elevator pit and the sump exceeds the lengths permitted in Table 7.5.6.3. a 40mm vent must be installed on the trap arm within the permitted maximum lengths noted in Table 7.5.6.3. Further to this Clause 7.5.6.3.(1)(b) indicates that the elevation change in the trap arm cannot exceed the internal diameter of the trap arm pipe.

Also note that where the elevator drain serves a Hydraulic Elevator an oil interceptor vented in accordance with Article 7.5.5.2. must be installed on the outlet piping from the sump prior to the connection to the sanitary drainage system.(See BCIC Interpretation # 06-0088)

See also Clauses 2.2.2.4.and 2.2.2.5. of the B44-07 Safety Code for Elevators and ASME A17.1 2007/CSA B44-07 Safety Code for Elevators and Escalators and the Elevating Device Safety Bulletin dated May 14, 2009



R. J. Light, Committee Chair

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