

BC BUILDING CODE INTERPRETATION COMMITTEE

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

File No: 06-0096

INTERPRETATION

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Interpretation Date:	Oct 18, 2011
Building Code Edition:	BC Building Code 2006
Subject:	Macerating Toilet Systems
Keywords:	Macerating Systems
Building Code Reference(s):	7.2.2.2.(8) ; 7.4.2.1.(1) ; 7.4.3.5.(1) ; 7.4.6.3. ; 7.4.9.2.(4) ; 7.5.7.7.(3)

Question:

1. Can a macerating toilet system be installed at any floor level that is above the elevation of the gravity sanitary sewer connection serving the building?
2. Can a macerating toilet system be installed at a floor level that is below the lowest gravity sanitary sewer system or private sewer disposal system serving the building?

Interpretation:

1. NO (See Location A – Page 2 Drawing)

Sentence 7.2.2.2.(8) indicates that macerating toilet systems serving a single bathroom must conform to CAN/CSA-B45.9 and Sentence 7.4.3.5.(1) permits the installation only where no connection to a gravity sanitary drainage system is available for the floor level that is below the elevation of the gravity sanitary sewer system serving the building.

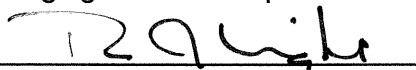
2. YES (See Location B – Page 2 Drawing)

Sentence 7.4.3.5(1) indicates the installation of these certified systems are permitted at floor levels that are below the gravity sanitary sewer serving the building.

Also, this is consistent with Sentence 7.4.6.3.(1) that permits a sump or receiving tank with a pumped discharge where the piping is too low to drain into a building sewer by gravity. The installation is also subject to the requirements of Article 7.4.6.3. with respect to the permitted connection locations of the pumped discharge piping.

Sentence 7.4.9.2.(4) states that the discharge pipe serving a macerating toilet shall be not less than 3/4 inch in size with a hydraulic load of 4 fixture units.

Sentence 7.5.7.7.(3) states the size of a vent pipe for a macerating toilet system with a sump shall be not less than 1 1/2 inch in size which would include the continuous vent serving the fixtures discharging into the sump or receiving tank.



R. J. Light, Committee Chair

The views expressed are the consensus of the joint committee with members representing AIBC, APEGBC, BOABC, and POABC, which form the BC Building Code Interpretation Committee. The purpose of the committee is to encourage uniform province wide interpretation of the BC Building Code. These views should not be considered as the official interpretation of legislated requirements based on the BC Building Code, as final responsibility for an interpretation rests with the local Authority Having Jurisdiction. The views of the joint committee should not be construed as legal advice.

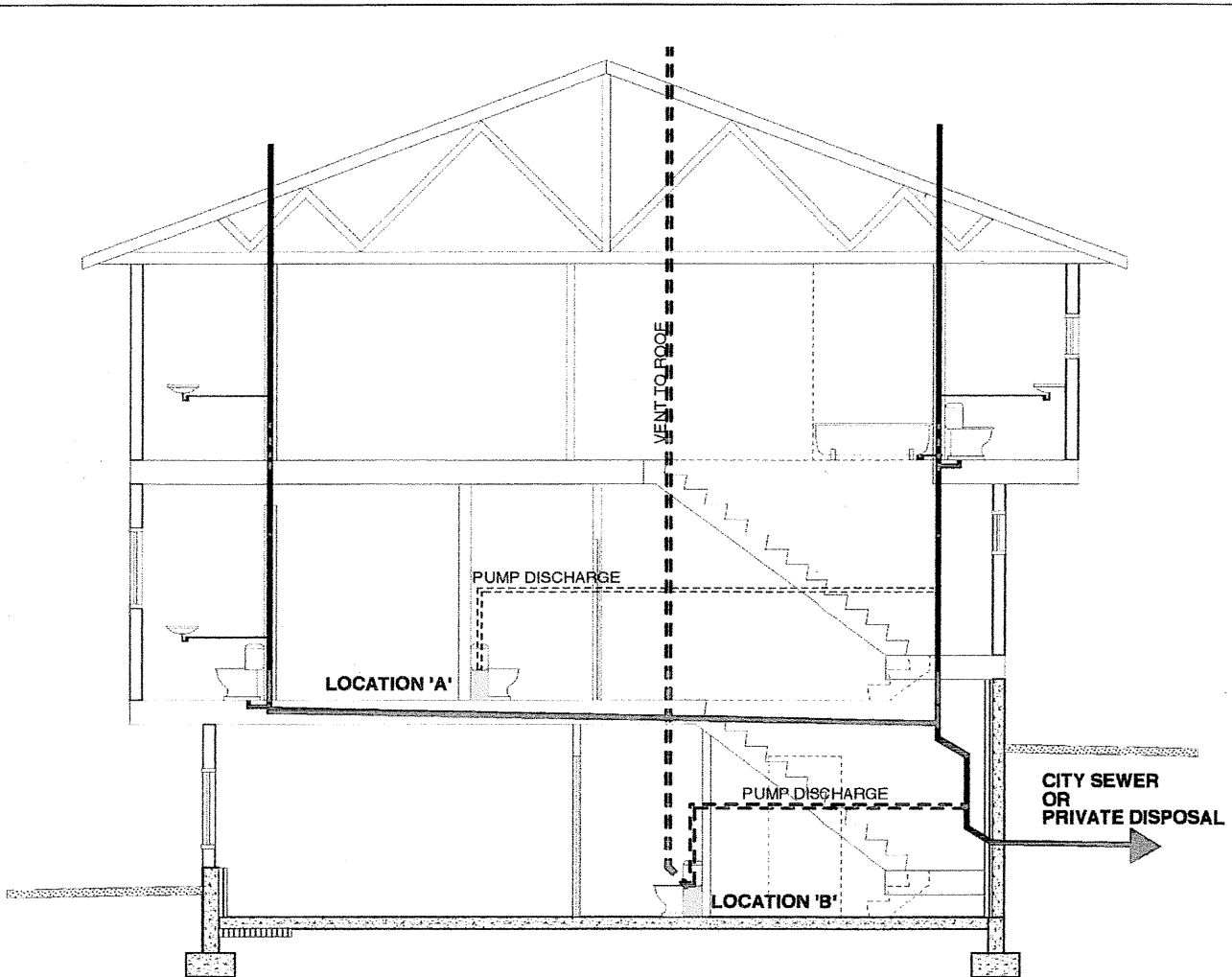
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LEGEND

LOCATION 'A' Macerating Toilet System at floor level above the gravity sanitary sewer elevation (installation not permitted)

LOCATION 'B' Macerating Toilet System at floor level below the gravity sanitary sewer elevation (installation permitted)

R. J. Light, Committee Chair

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