

BC BUILDING CODE INTERPRETATION COMMITTEE
AIBC, APEGBC, BOABC, POABC

File No: 98-0076

INTERPRETATION

Page 1 of 1

Interpretation Date: May 21, 2003

Building Code Edition: BC Building Code 1998

Subject: Special Waste System

Keywords: Food Display

Building Code Reference(s): 7.3.3.12. (1) (2) 7.4.2.1. (1) (e) (i) (iii)

Question:

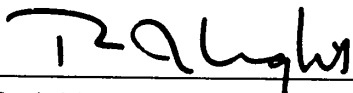
Is there a recommended method of achieving an acceptable drain waste and vent installation for food display equipment?

Interpretation:

Yes --- A proven and commonly used special waste system identified as POABC Interpretation # 4066 provides compliance with the requirements of Part 7 of the BC Building Code is attached to this interpretation.

The 1998 BC Building Code Subclauses 7.4.2.1.(1) (e) (i) (iii) requires indirect waste connections installed in accordance with Sentences 7.3.3.12. (1) (2) for all food display equipment outlets located in display areas. A special waste system layout is not included in the Appendix for Part 7 of the BC Building Code.

Special waste systems must be designed to permit safe installations for indirect connections to hub drains and floor drains in food display areas. Special considerations must be given to provide a special waste system that would not require separately venting hub drains and floor drains in this unique design. (see attachment)



R. J. Light, Committee Chair

The views expressed are the consensus of the joint committee of 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.

OBTAINED FROM POABC INTERPRETATION # 4066

1. Systems restricted to discharge from products display cases, ice machines, cooler condensate and emergency discharge from heat reclaim pumps.
2. The hydraulic loads for traps (min 3") in special system shall be:
 - (a) 3 F.U. for 3" trap
 - (b) 4 F.U. for 4" trap
3. All drainage branches shall be graded a minimum 1 in 50 for pipes up to 3" size and 1 in 100 for 4" and over.
4. Trap arms shall have a downward slope in the direction of flow of minimum 1 in 50 and shall not exceed pipe diameter.
5. The hydraulic load drained to branches shall conform to Table 7.4.10.6.B.
6. Fixture outlet pipes shall have a developed length not greater than 1200 mm.
7. Cleanouts shall be installed in accordance with Subsection 7.4.7. and shall be readily accessible.
8. A reduction of pipe size on a horizontal branch requires a vent at the point of reduction.
9. All vents to be minimum 2" and sized in accordance with note #13 below. Vents shall not be connected to any other venting system.
10. Any dry vents shall roll off the top of horizontal waste pipes where possible.
11. Heat reclaim trenches shall have an emergency pumped drain with alarm system.
12. Special system sump shall be minimum 24" square up to 48" in depth. Larger sumps required for greater depths. Sump to have 18" liquid depth and be provided with backwater valve on outlet.
13. The load on vent pipes serving branches connected to special waste systems shall include all fixtures connected to each individual branch and be sized in accordance with Table 7.5.8.3.
14. Drains for food display cases and other traps receiving frequent discharges do not require trap primers.
15. Size sump vent to Article 7.5.7.6. (minimum 2" size).

