ENB-15.23 - Automatic Smoke and Heat Vents: Design Loads - UBC/9/#1

AUTOMATIC SMOKE AND HEAT VENTS: DESIGN LOADS
Administrative Rule Adopted by Bureau Pursuant to Rule-Making Authority
ARB-ENB-15.23

TOPIC: Fire Protection Systems - UBC/9/#1

CODE: Structural Specialty Code - 1998 Edition

REVISED: March 1, 1999

REFERENCE: Section 906 - Structural Specialty Code
U.B.C. Standard No. 15-7

SUBJECT: Automatic Smoke and Heat Vents: Design Loads

QUESTION: What are the design load requirements for automatic smoke and heat vents installed in roofs? Do the same standards apply to melt-out vents?

RESPONSE: Automatic smoke and heat vents shall be capable of opening freely and fully against a live load or a snow load of 10 pounds per square foot.

These vents shall also be capable of supporting the appropriate snow load. The minimum snow load assumed in a design shall be 25 pounds per square foot. This load may be higher under drifting conditions.

"Skylights" designed to function as smoke and heat vents which "melt out" at a specific temperature to provide smoke and heat dissipation shall also comply with these design load standards.

HISTORY
Updates July 1, 1996 edition
Replaces Code Guide UBC/32/#1 which replaced
Policy & Procedure #'s D-69 and D-22.
Revised March 1, 1999
Filed for inclusion in PPD September 29, 2004