



Department of Commerce

Safety & Buildings Division

201 West Washington Avenue

P.O. Box 2658

Madison, WI 53701-2658

Evaluation #

200320-A

Wisconsin Alternate Standard Evaluation

Standard

Table 2306.2
International Fire Code [IFC] - 2003

SCOPE OF EVALUATION

The alternate Table 2306.2, from the 2003 version of the International Fire Code, has been evaluated for compliance with certain fire protection system requirements of the current **Wisconsin Commercial Building Code (WCBC), Chapters Comm 61-65**. Pursuant to s. Comm 61.61 the alternate standard and methodology as described below is approved for use in the State of Wisconsin to satisfy the intent and the smoke and heat vent requirements of **IBC s. 910.2 of the Wisconsin Commercial Building Code**.

This evaluation does not include the review for compliance to provisions of the current **Wisconsin Commercial Building Code (WCBC)**, other than those specifically referenced above.

The use of this alternate standard and methodology is subject to the description, limitations and conditions described in this evaluation.

DESCRIPTION AND USE

IBC Section 910.2 of the Wisconsin Commercial Building Code requires smoke and heat removal (smoke and heat vents) in buildings when specific uses and imitations have been met or exceeded. The specifics include:

- S-1 Occupancies that are over 50,000 S.F. in undivided area [IBC s. 910.2.1]
- Group H occupancies in accordance with s. 415.6 [IBC s. 910.2.2]
- High piled combustible storage in accordance with s. 413 and the IFC [IBC s. 910.2.3]
- F-1 or S-1 uses where an increase in exit distance has been taken in accordance with s. 1004.2.4.1 [IBC s. 910.2.4].

The provisions found in Table 2306.2 of the International Fire Code – 2003 Edition, indicate that in high-piled combustible storage buildings, smoke and heat removal [smoke and heat vents] is not required for storage areas protected by an early-suppression fast response (ESFR) automatic sprinkler system.

Based on the available information, smoke and heat vents will not be required for high-piled combustible storage areas that are protected by an ESFR automatic sprinkler system.

LIMITATIONS/CONDITIONS

When this alternative methodology has been utilized in the design of a project, a statement identifying that use shall be included with the project construction documents, including the Wisconsin Alternative Standard Evaluation number referenced above.

Pursuant to s. Comm 61.61(7), the department may reexamine an approval and issue a revised approval at any time.

This approval will be valid through August 8, 2008, unless modifications are made to the alternate standard and methodology or a re-examination is deemed necessary by the department.

DISCLAIMER

This approval addresses only the specified applications for the alternate standard and does not waive any code requirement not specified in this document.

Approval Date: August 8, 2003. By: _____

James B. Smith, P.E.
Program Manager
Safety and Buildings Division