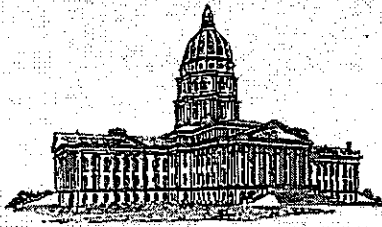


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AGRICULTURE & NATURAL RESOURCES
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TRANSPORTATION

Chairman Huebert and members of the committee, I thank you for your time this afternoon. I appear before you today on HB 2776. This bill will repeal some of the provisions in the Kansas Fire Prevention Codes that were revised and published in the KANSAS REGISTER Vol. 30, No. 3, January 20, 2011. It is my understanding that some of these provisions were not reviewed adequately before adoption. I have attached some documentation for your review as part of our dialogue to help resolve this problem that faces most Kansas Cities, Townships and Counties. I have found that this is a very complicated issue and I am trying to fix it in the least harmful way to the current Fire and Safety codes we need to promulgate and enforce.

In light of the urgency of the need to promote Kansas as the state to move your business to and encourage construction, growth of existing companies and a favorable business climate I hope you will work this bill as soon as possible.

Thank you again for your time, and I would be pleased to stand for questions.



Kansas Register

Kris W. Kobach, Secretary of State

Vol. 30, No. 3

January 20, 2011

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Kansas State Fire Marshal

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News:

Welcome to the new home for the Kansas State Fire Marshal Office.

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Codes, Rules & Laws

Regulations have been amended

On February 3, 2011, the Office of the Kansas State Fire Marshal was notified that the revisions made to the Kansas Fire Prevention Code have been formally adopted and published in the Kansas Registrar. See here for a copy of the [Kansas Registrar](#)

Regulations Overview

K.A.R 31-133 mandates that the Kansas State Fire Marshal adopts reasonable rules and regulations for the safeguarding of life and property from fire, explosion and hazardous materials.

K.A.R 31-139 grants the Kansas State Fire Marshal, deputies of the fire marshal, and local organized fire department personnel authority to enter all buildings and premises, other than one and two family dwellings, for the purpose of inspecting compliance with the rules and regulations.

Resources

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APPENDIX B

FIRE-FLOW REQUIREMENTS FOR BUILDINGS

SECTION B101 GENERAL

B101.1 Scope. The procedure for determining fire-flow requirements for buildings or portions of buildings hereafter constructed shall be in accordance with this appendix. This appendix does not apply to structures other than buildings.

SECTION B102 DEFINITIONS

B102.1 Definitions. For the purpose of this appendix, certain terms are defined as follows:

FIRE-FLOW. The flow rate of a water supply, measured at 20 pounds per square inch (psi) (138 kPa) residual pressure, that is available for fire fighting.

FIRE-FLOW CALCULATION AREA. The floor area, in square feet (m²), used to determine the required fire flow.

SECTION B103 MODIFICATIONS

B103.1 Decreases. The Fire Code Official is authorized to reduce the fire-flow requirements for isolated buildings or a group of buildings in rural areas or small communities where the development of full fire-flow requirements is impractical.

B103.2 Increases. The Fire Code Official is authorized to increase the fire-flow requirements where conditions indicate an unusual susceptibility to group fires or conflagrations. An increase shall not be more than twice that required for the building under consideration.

B103.3 Areas without water supply systems. For information regarding water supplies for fire-fighting purposes in rural and suburban areas in which adequate and reliable water supply systems do not exist, the Fire Code Official is authorized to utilize NFPA 1142 or the International Wildland-Urban Interface Code.

B103.4 Outside storage use. The Fire Code Official is authorized to require a fire flow of no less than 2,000 gpm (7570 l/min) where combustible materials, hazardous materials and other items are stored or used outside.

SECTION B104 FIRE-FLOW CALCULATION AREA

B104.1 General. The fire-flow calculation area shall be the total floor area of all floor levels within the exterior walls, and under the horizontal projections of the roof of a building, except as modified in Section B104.3.

B104.2 Area separation. Portions of buildings which are separated by fire walls without openings, constructed in accor-

dance with the International Building Code, are allowed to be considered as separate fire-flow calculation areas.

B104.3 Type IA and Type III construction. The fire-flow calculation area of buildings constructed of Type IA and Type III construction shall be the area of the three largest successive floors.

Exception: Fire-flow calculation area for open parking garages shall be determined by the area of the largest floor.

SECTION B105 FIRE-FLOW REQUIREMENTS FOR BUILDINGS

B105.1 One- and two-family dwellings. The minimum fire-flow requirements for one- and two-family dwellings having a fire-flow calculation area which does not exceed 3,600 square feet (344.5 m²) shall be 1,000 gallons per minute (3785.4 l/min). Fire-flow and flow duration for dwellings having a fire-flow calculation area in excess of 3,600 square feet (344.5 m²) shall not be less than that specified in Table B105.1.

Exception: A reduction in required fire flow of 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system.

B105.2 Buildings other than one- and two-family dwellings. The minimum fire-flow and flow duration for buildings other than one- and two-family dwellings shall be as specified in Table B105.1.

Exception: A reduction in required fire flow of up to 50 percent, as approved, is allowed when the building is provided with an approved NFPA 13 automatic sprinkler system installed in accordance with Section 903.3.1.1. The resulting fire flow shall not be less than 1,500 gallons per minute (5678 l/min) for the prescribed duration as specified in Table B105.1. No reductions are allowed for NFPA 13D or 13R systems.

SECTION B106 REFERENCED STANDARDS

B106.1 See Chapter 3 of this code for additional requirements.

ICC	IBC-04	International Building Code	B101.2 Table B105.1
ICC	14330-05	International Wildland-Urban Interface Code	B103.3
NFPA	1142-01	Standard for Water Supplies for Suburban and Rural Fire Fighting	B103.3

APPENDIX B

TABLE B105.1
MINIMUM REQUIRED FIRE-FLOW AND FLOW DURATION FOR BUILDINGS^a

FIRE-FLOW CALCULATION AREA (square feet)					FIRE-FLOW (gallons per minute)	FLOW DURATION (hours)
Type IA and IB ^b	Type IIA and IIIA ^b	Type IV and V-A ^b	Type IIB and IIIB ^b	Type V-B ^b		
0-22,700	0-12,700	0-8,200	0-5,900	0-3,600	1,500	2
22,701-30,200	12,701-17,000	8,201-10,900	5,901-7,900	3,601-4,800	1,750	
30,201-38,700	17,001-21,800	10,901-12,900	7,901-9,800	4,801-6,200	2,000	
38,701-48,300	21,801-24,200	12,901-17,400	9,801-12,600	6,201-7,700	2,250	
48,301-59,000	24,201-33,200	17,401-21,300	12,601-15,400	7,701-9,400	2,500	
59,001-70,900	33,201-39,700	21,301-25,500	15,401-18,400	9,401-11,300	2,750	
70,901-83,700	39,701-47,100	25,501-30,100	18,401-21,800	11,301-13,400	3,000	3
83,701-97,700	47,101-54,900	30,101-35,200	21,801-25,900	13,401-15,600	3,250	
97,701-112,700	54,901-63,400	35,201-40,600	25,901-29,300	15,601-18,000	3,500	
112,701-128,700	63,401-72,400	40,601-46,400	29,301-33,500	18,001-20,600	3,750	
128,701-145,900	72,401-82,100	46,401-52,500	33,501-37,900	20,601-23,300	4,000	
145,901-164,200	82,101-92,400	52,501-59,100	37,901-42,700	23,301-26,300	4,250	
164,201-183,400	92,401-103,100	59,101-66,000	42,701-47,700	26,301-29,300	4,500	4
183,401-203,700	103,101-114,600	66,001-73,300	47,701-53,000	29,301-32,600	4,750	
203,701-225,200	114,601-126,700	73,301-81,100	53,001-58,600	32,601-36,000	5,000	
225,201-247,700	126,701-139,400	81,101-89,200	58,601-65,400	36,001-39,600	5,250	
247,701-271,200	139,401-152,600	89,201-97,700	65,401-70,600	39,601-43,400	5,500	
271,201-295,900	152,601-166,500	97,701-106,500	70,601-77,000	43,401-47,400	5,750	
295,901-Greater	166,501-Greater	106,501-115,800	77,001-83,700	47,401-51,500	6,000	
—	—	115,801-125,500	83,701-90,600	51,501-55,700	6,250	
—	—	125,501-135,500	90,601-97,900	55,701-60,200	6,500	
—	—	135,501-145,800	97,901-106,800	60,201-64,800	6,750	
—	—	145,801-156,700	106,801-113,200	64,801-69,600	7,000	
—	—	156,701-167,900	113,201-121,300	69,601-74,600	7,250	
—	—	167,901-179,400	121,301-129,600	74,601-79,800	7,500	
—	—	179,401-191,400	129,601-138,300	79,801-85,100	7,750	
—	—	191,401-Greater	138,301-Greater	85,101-Greater	8,000	

For SI: 1 square foot = 0.0929 m², 1 gallon per minute = 3.785 l/m, 1 pound per square inch = 6.895 kPa.

a. Types of construction are based on the *International Building Code*.

b. Measured at 20 psi.