

Minnesota Attorney General: Administrative Rules Proceedings

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Version 3
August 20, 2018

5PD

MINNESOTA STATE REGULATIONS

Notice of filing by the Commissioner of Administration

We have received on this date, stamped and filed 2 copies of Rules and Regulations pertaining to the State Building Code
(Agency or Board)

Regulation No. SBC 111, SFM 554, 555, 1717 UBC 2305, 3304 3318, 38021, 4201

Subject: Various

Department of Administration
Publication, Central Services Division
Documents Section
140 Centennial Office Building
St. Paul, Minnesota 55155
Telephone: (612) 296-2874

FILED
RICHARD L. BRUBACHER
Commissioner of Administration

NOV 18 1975

BY Eda Staudemaier KS
AUTH. SIGNATURE 9:50 Am

Stamped and filed with the Secretary of State Nov 18, 1975 9:00 AM

Rev. 9-72

State of Minnesota
Building Code Division
January 14, 1975 Public Hearing

THE FOLLOWING RULES ARE ADOPTED:

SBC 111 Fees.

(a) Plan Checking.

1. Plan checking of buildings or structures conducted by the Division shall have a fee based on valuation in accordance with Table No. III-A. "Valuation" means the total cost of construction exclusive of site work not related to the construction.

There shall be no additional fee charged for consultation with designers, or for re-checking provided no substantial change in the design has been made. When, in the opinion of the Division, a substantial change has been made in the design, the re-checking fee shall be based on a rate of $15.00 per hour or fraction thereof.

No fee shall be charged for state-owned buildings.

SFM 554 (g) Water mix control shall be an approved automatic adjustable temperature control device that shall contain means for a maximum temperature setting to prevent H_2O from being delivered from the shower-head in excess of 110 degrees to 112 degrees F.

SFM 555 (j) Water mix controls shall be of the approved automatic adjustable temperature control device that shall contain means for a maximum temperature setting to prevent H_2O from being delivered from the shower-head in excess of 110 degrees F. Said automatic temperature control device shall have a compression type positive shut-off, shall be designed to prevent by passing and to prevent a temperature change from the desired setting of plus or minus two degrees F. Any automatic temperature control device that permits a supply of water to the shower-head when turned on without first passing through the cold water supply is prohibited.

UBC 1717 Foam Plastics.

(a) General. Foam plastic shall comply with the smoke density and toxicity requirements of UBC 5202.

(b) Specific Requirements. The following requirements shall apply to all uses of foam plastics in or on the walls, ceilings or both, unless specifically approved. Such approval shall be based on acceptable diversified tests such as, but not limited to, tunnel tests conducted in accordance with UBC Standard No. 42-1, full scale corner tests and an ignition temperature test.

1. Foam plastics having a flame spread of 75 or less may be used in the following locations:

A. Within the cavity of a masonry or concrete wall.

B. On the room side surface of conforming walls or ceiling, provided the foam plastic is fully protected from the interior of the building by a thermal barrier of 1/2 inch gypsum wallboard or other approved material having a finish rating of not less than 15 minutes as determined by UBC Standard No. 43-1. Thermal barriers shall be installed in a manner that will assure they will remain in place for 15 minutes.

TABLE NO. 111-A

VALUATION	PLAN-CHECK FEE
$3000.00 or less	No Charge
3001.00 to $5000.00	21.00
50,001.00 to 10,000.00	34.00
10,00100 to 15,000.00	47.00
15,001.00 to 20,000.00	60.00
20,001.00 to 25,000.00	72.00
25,001.00 to 30,000.00	83.00
30,001.00 to 35,000.00	93.00
35,001.00 to 40,000.00	102.00
40,001.00 to 45,000.00	112.00
45,001.00 to 50,000.00	122.00
50,001.00 to 55,000.00	129.00
55,001.00 to 60,000.00	135.00
60,001.00 to 65,000.00	142.00
65,001.00 to 70,000.00	148.00
70,001.00 to 75,000.00	155.00
75,001.00 to 80,000.00	161.00
80,001.00 to 85.000.00	168.00
85,001.00 to 90,000.00	174.00
90,001.00 to 95,000.00	181.00
95,001.00 to 100,000.00	187.00
$100,001.00 to $ $500,000.00	$187.00 for the first $100,000.00 plus $1.00 for each additional $1,000.00 or fraction thereof.
500,001.00 and up	$577.00 for the first $500,000.00 plus $.65 for each additional $1,000.00 or fraction thereof.

UBC 1717 (cont.)

C. Within the wall cavity of combustible non-fire-resistive wall construction, provided the protection is applied as described in Item B.

D. Within the cavity of walls classified as combustible fire-resistive construction, provided fire tests are conducted in accordance with UBC Standard No. 43-1 and the protection from the interior of the building is at least equivalent to that required in Item B.

2. Foam plastics insulation having a flame spread of 75 of less when tested in a thickness of four (4) inches may be used in thicknesses up to ten (10) inches for use in cold storage rooms, food processing rooms, ice plant and similar rooms when the room is protected with automatic sprinklers and the insulation is covered with 1/2 inch portland cement, plaster or other approved material having a finish rating of not less than 15 minutes as determined by UBC Standard No. 43-1. Thermal barriers shall be installed in a manner that will assure they remain in place for 15 minutes.

3. Foam plastics insulation on walls having a flame spread of 25 or less may be used in a thickness of not more than four (4) inches in or on walls when the foam plastic is covered by a thickness not less than 0.032 inch aluminum of 26 guage galvanized sheet steel and the insulated area is protected with automatic sprinklers. Such walls shall not be used where non-combustible fire-resistive construction is required.

4. Foam plastics may be used as a roof covering if the foam plastic is a part of a Class A, B or C roofing assembly.

UBC 2305 (c) Snow Loads. Snow loads full or unbalanced shall be considered where such loading will result in larger members or connections. A basic snow load of 40 pounds per square foot of horizontal projection is required in the following counties: Anoka, Carlton, Carver, Chisago, Cook, Dakota, Hennepin, Isanti, Lake, Pine, Ramsey, St. Louis, Scott and Washington. A basic snow load of 30 pounds per square foot of horizontal projection is required for all other counties not mentioned above. Potential accumulation of snow at valleys, parapets, roof structures, and offsets in roofs of uneven configuration shall be considered. Where snow loads occur, the snow loads shall be determined by the Building Official in accordance with Appendix C.

EXCEPTIONS:
1. The requirements of Appendix C shall not apply to Group I and J Occupancies.

2. A basic snow load of 30 pounds per square foot of horizontal projection shall be acceptable for detached Group J, Division 1 Occupancies in all counties.

Snow loads in excess of 20 pounds per square foot may be reduced for each degree of pitch over 20 degrees by R_s as determined by the following formula:

$$R_s = \frac{S}{40} - \frac{1}{2}$$

Where:
R_s = Snow load reduction in pounds per square foot per degree of pitch over 20 degrees.

S = Total snow load in pounds per square foot.

UBC 2907 (a) 2. Soil Under Slab On Grade for Accessory Buildings. When soil, natural or fill, is sand or pit run sand and gravel, and of depth in accordance with minimum footings depth requirements for each zone, slab on grade construction which supports roof and wall loads shall be permitted. Slab on grade construction for detached buildings Group J, Division 1 Occupancies may be placed on any soil except peat or muck.

UBC 3304 (h) Openings. Where corridor walls are required to be of one-hour fire-resistive construction by subsection 3304(g), every door opening shall be protected by a tight fitting smoke barrier and fire assembly having a fire protection rating of not less than 20 minutes when tested in accordance with UBC Standard No. 43-2 without the hose stream test.

Doors shall be maintained self-closing or shall be automatic closing in accordance with UBC 4306(b)2. Glazed openings of the size and construction permitted for three-fourths-hour fire door assemblies in UBC 4306(f) may be installed in such doors. Other interior openings shall be protected by approved 1/4 inch thick wired glass set in steel frames. The total area of all openings, other than doors, in any portion of an interior corridor shall not exceed 25 percent of the area of the corridor wall of the room which it is separating from the corridor.

EXCEPTIONS:
1. Protection of openings in the interior walls of exterior exit balconies is not required.

2. In Group D Occupancies in which an approved complete standard automatic fire extinguishing system is installed, corridor doors serving sleeping rooms need not be maintained self-closing or be automatic closing.

UBC 3318 (c) Corridors. The minimum clear width of a corridor shall be 44 inches, except that corridors serving any area housing one or more non-ambulatory persons shall be not less than eight (8) feet in width. There shall be no change of elevation in a corridor serving non-ambulatory persons unless ramps are used.

In Group D, Division 1 Occupancies such as jails, prisons, reformatories and similar buildings with open barred cells forming corridor walls, the corridors and cell doors need not be fire resistive.

In Group D, Division 1 Occupancies such as jails, prisons, reformatories and similar buildings, doors to corridors used by the inmates need not be maintained self-closing or be automatic closing, may project into the required width of the corridor, but when fully opened shall not reduce the required width by more than seven (7) inches.

UBC 3802 (b) 5. In all Group D Occupancies except jails, prisons and reformatories; however, the respective increases for area and height specified in UBC 506(c) and UBC 507 shall be permitted.

EXCEPTIONS:
1. In hospitals of Types I and II construction, the automatic fire extinguishing system may be omitted from operating rooms, X-ray rooms, delivery rooms, cardiac and intensive care rooms and patient sleeping rooms not exceeding 600 square feet in area when each such room is provided with detectors of products of combustion other than heat, complying with UBC Standard No. 43-6.

2. In hospitals of Type IV construction, the automatic fire extinguishing system may be omitted from operating rooms, X-ray rooms, delivery rooms, cardiac and intensive care rooms when each such room is provided with detectors of products of combustion other than heat, complying with UBC Standard No. 43-6.

UBC 4201 Foam Plastics. Interior wall and ceiling finish shall mean interior wainscoting, paneling, or other finish applied structurally or for decoration, acoustical correction, surface insulation, or similar purposes. Requirements for finishes shall not apply to trim, defined as picture molds, chair rails, baseboards, and handrails; to doors and windows or their frames, nor to materials which are less than 1/28 inch in thickness cemented to the surface of walls or ceilings, if these materials have flame-spread characteristics no greater than paper of this thickness cemented to a non-combustible backing.

Foam plastics shall not be used as interior finish except as provided in UBC 1717.

Table No. 42-B

MINIMUM INTERIOR-FINISH CLASSIFICATIONS

Occupancy Group	Enclosed Vertical Exitways	Other Exitways	Rooms or Areas
A	I	II	III
B	I	II	III
C	I	II	III
D	I	II	II(1)
E	I	II	III(2)
F	I	II	III
G	I	II	III
H	I	II	III
I	III	III	III(3)
J(4)	NO RESTRICTIONS		

(1) In rooms in which personal liberties of inmates are forcibly restrained Class I material only may be used.

(2) Over two stories shall be of Class II.

(3) Flame-spread provisions are not applicable to kitchens and bathrooms of Group I Occupancies.

(4) Foam plastics shall comply with the requirements set forth in UBC 1717.

UBC Standard 43-1 Include Underwriters' Laboratories procedures for determining finish rating.

APPROVED AS TO FORM AND LEGALITY
NOV 17 1975 19
WARREN SPANNAUS, ATTORNEY GENERAL
BY /s/ Michael R. Miller
SPECIAL ASSISTANT ATTORNEY GENERAL

STATE OF MINNESOTA
DEPARTMENT OF STATE
FILED
NOV 18 1975 - 9:00 a.m.
Joan Anderson Growe
Secretary of State

FILED
RICHARD L. BRUBACHER
Commissioner of Administration
NOV 18 1975
BY Edna Stenderman
AUTH. SIGNATURE
9:50 A.M.

State of Minnesota

Building Code Division

Jan. 14, 1975 Public Hearing

Set #2

STATEMENT OF COMPLIANCE WITH

MANUAL OF RULE MAKING PROCEDURES

I. Assistant Attorney General J. Michael Miles, do hereby declare that I have examined the proposed rules and all related documents and that, based on them and my personal familiarity with the applicable procedures, the Manual of Rule Making Procedures has been followed. Any exceptions are noted below.

J. Michael Miles
Assistant Attorney General

DATE: 11/6/75

EXHIBIT G

STATE OF MINNESOTA

COUNTY OF RAMSEY

BEFORE THE

COMMISSIONER OF ADMINISTRATION

In the Matter of the Proposed Amendments to the State Building Code

ORDER FOR HEARING

To effectively implement Minn. Stat. 1971, Section 16.86, the Commissioner of Administration deems it necessary to consider adoption of certain amendments to the State Building Code pursuant to the authority vested in the Commissioner by the Statute cited above.

NOW, THEREFORE, IT IS ORDERED this 14th day of January, 1975, that a Public Hearing on the proposed amendments be held at the Howard Johnson Motor Lodge, 8401 Cedar Avenue, Bloomington, Minnesota, commencing at 8:01 a.m. and continuing until all local governmental units, representatives of associations and other interested groups or persons have had an opportunity to be heard.

IT IS FURTHER ORDERED, that notice of said hearing be given pursuant to the provisions of Minn. Stat. 1971, Section 15.0412, Subdivision 4, and to all representatives of associations or other interested groups or persons who have registered their names with the Secretary of State for that purpose and all persons who are presently members of the Minnesota Legislature.

Dated: January 13, 1975

Richard L Brubacher

Richard L. Brubacher
Commissioner of Administration

STATE OF MINNESOTA

COUNTY OF RAMSEY

BEFORE THE

COMMISSIONER OF ADMINISTRATION

In the matter of the Proposed Amendments to the State Building Code

STATEMENT OF NEED

The above-captioned proposed rules are amendments to the existing State Building Code.

Pursuant to Minn. Stat. 1971, Section 16.86, the Commissioner of Administration is charged with the responsibility of applying the State Building Code to all local governmental units having building codes, with limited exceptions, and with the duty of amending the State Building Code from time to time to maintain the most modern code standards regarding the construction, addition to or alteration of building, including life safety.

Further, the Commissioner of Administration may hold public hearings at such times as interested parties petition for amendments to the State Building Code. Pursuant to Minn. Stat. 1971, Section 15.0412, Subdivision 1 and 4, the Commissioner is empowered to promulgate reasonable substantive rules and may also amend rules as is deemed necessary upon a showing of need for the Amendment subsequent to a public hearing. Further, the Commissioner of Administration may hold Public Hearings at such times as interested parties petition for Amendments to the State Building Code. The above-captioned amendments that fall within the above mentioned conditions are deemed of sufficient importance to warrant consideration through the process of Public Hearing.

Dated: January 13, 1975

Richard L. Brubacher

Richard L. Brubacher
Commissioner of Administration

STATE OF MINNESOTA

COUNTY OF RAMSEY

BEFORE THE

COMMISSIONER OF ADMINISTRATION

In the matter of the Proposed Amendments to the State Building Code

NOTICE OF HEARING

Notice is hereby given that a public hearing will be held pursuant to Minn. Stat. 1971, Section 16.86, and Minn. Stat. 1971, Section 15.0412, Subdivision 4, regarding the above-entitled matter, at Howard Johnson Motor Lodge, 8401 Cedar Ave. Bloomington, Minnesota, commencing at 8:01 a.m., January 14, 1975, and continuing until all local governmental units, all representatives of associations and other interested groups or persons have had an opportunity to be heard concerning adoption of the proposed rules captioned above by submitting either oral or written data, statements or arguments. Statements or briefs may be submitted without appearing at the hearing.

An index of the proposed amendments is attached to the Notice of Hearing.

The proposed amendments to the State Building Code may be reviewed in the office of Herbert W. Meyer, State Building Inspector, 408 Metro Square Building, St. Paul, Minnesota, 55101. The amendment materials will also be available at the door on the date of the hearing. Telephone inquiries regarding the amendments should be directed to 612-296-4639.

A copy of the procedural rules for the hearing is attached. Testimony or other evidence to be submitted for consideration should be pertinent to the matter at hand and may be presented either orally or in writing at the public hearing or by mailing a statement to Herbert W. Meyer, State Building Inspector, at the above-mentioned address within 20 days following the conclusion of the subject hearing. If the person submitting a statement cannot be present to read his statement at the time of the hearing, the statement will be entered into the record. For those wishing to submit written statement or exhibits, it is requested that at least three (3) copies of such statement, exhibit, or summary be furnished at the hearing. It is suggested that to save time and avoid duplication, those organizations or associations having common viewpoint or interest in these proceedings join together where possible and present a single statement in behalf of such interests.

MINNESOTA DEPARTMENT OF ADMINISTRATION

Dated: 11-27-74

Richard L. Brubacher

Richard L. Brubacher
Commissioner of Administration

INDEX OF PROPOSED AMENDMENTS TO THE STATE BUILDING CODE

JANUARY 14, 1975 PUBLIC HEARING

1.	SBC - Section 111	Plan check fees
2.	UBC - Section 1304	Emergency Exits from Sleeping Rooms
3.	UBC - Section 1304	Exit Ladders from Sleeping Rooms
4.	UBC - Section 1404	Emergency Exits from Sleeping Rooms
5.	UBC - Section 1404	Exit Ladders from Sleeping Rooms
6.	UBC - Section 1717	Use of Foam Plastics
7.	UBC - 2305(c)	Snow Loads on Roofs of Detached Garages
8.	UBC - Section 2907(a)2	Soil under Slab On-Grade for Accessory Buildings
9.	UBC - Section 3304(h)	Door Closing Devises in Hospital Corridors
10.	UBC - Section 3304(d)	Projections in Corridors
11.	UBC - Section 3802(b)1	Exterior Wall Openings in Jails
12.	UBC - Section 3802(b)5	Fire Sprinklers in Certain Hospital Rooms
13.	UBC - Section 4201	Use of Foam Plastics
14.	UBC - Table 42B	Use of Foam Plastics
15.	UBC Standard 43-1	Use of Foam Plastics
16.	S.F.M. 554(g) (SBC 8901)	Water Valves for Handicapped
17.	S.F.M. 555 (SBC 8901)	Water Valves for Handicapped
18.	1975 National Electrical Code --	Amendment to delete Article 210-8(b)

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)

DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent State Building Code Division Title _____

Address _____ City _____ State _____ Zip _____

Proposed amendment to the State Building Code Code. Section SBC 111

(Check one)

☐ Change subsection to read as follows ☐ Delete subsection and sustitute as follows

☒ Add new subsection to read as follows ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

S.B.C. Amend Chapter 1 by adding a new Section to read as follows:

S.B.C. 111 Fees

(a) Plan Checking.

1. Plan checking of buildings or structures conducted by the Division shall have a fee based on valuation in accordance with table No. 111-A. "Valuation" means the total cost of construction exclusive of site work not related to the construction.

There shall be no additional fee charged (a) for consultation with designers, or (b) for re-checking provided no substantial change in the design has been made. When in the opinion of the Division a substantial change has been made in the design, the re-checking fee shall be based on a rate of $15.00 per hour or fraction thereof.

No fee shall be charged for state-owned buildings.

SUPPORTING STATEMENTS:

(Use additional pages if necessary)

TABLE NO. 111-A

VALUATION	PLAN-CHECK FEE
$3000.00 or less	No Charge
3001.00 to $5000.00	21.00
5001.00 to 10,000.00	34.00
10,00100 to 15,000.00	47.00
15,001.00 to 20,000.00	60.00
20,001.00 to 25,000.00	72.00
25,001.00 to 30,000.00	83.00
30,001.00 to 35,000.00	93.00
35,001.00 to 40,000.00	102.00
40,001.00 to 45,000.00	112.00
45,001.00 to 50,000.00	122.00
50,001.00 to 55,000.00	129.00
55,001.00 to 60,000.00	135.00
60,001.00 to 65,000.00	142.00
65,001.00 to 70,000.00	148.00
70,001.00 to 75,000.00	155.00
75,001.00 to 80,000.00	161.00
80,001.00 to 85.000.00	168.00
85,001.00 to 90,000.00	174.00
90,001.00 to 95,000.00	181.00
95,001.00 to 100,000.00	187.00
$100,001.00 to $ $500,000.00	$187.00 for the first $100,000.00 plus $1.00 for each additional $1,000.00 or fraction thereof.
500,001.00 and up	$577.00 for the first $500,000.00 plus $.65 for each additional $1,000.00 or fraction thereof.

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent Andersen Corporation Title _____

Address _____ City Bayport State MN Zip 55003

Proposed amendment to the Uniform Building Code Code. Section 1304 Exit Facilities

(Check one)

☐ Change subsection to read as follows ☒ Delete subsection and sustitute as follows

☐ Add new subsection to read as follows ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

~~"Every sleeping room below the fourth floor shall have at least one window or exterior door approved for emergency exit or rescue. Where windows are provided they should have a sill height of not more than 48" above the floor.~~

~~Windows with a net clear openable area of not less than 5 sq. ft. with no dimension less than 22" shall be deemed to meet requirements of this section provided the sill heights are not over 48" above the floor."~~

Every sleeping room below the fourth story shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside to a full clear opening without the use of separate tools. Where windows are provided as a means of egress or rescue they shall have a sill height of not more than 44" above the floor.

All egress or rescue windows from sleeping rooms must have a minimum clear opening of 5.7 sq. ft. The minimum net clear opening height dimension shall be 24". The minimum net clear opening width dimension shall be 20".

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

The reasons for this request are: it will help alleviate confusion on the part of the local official as to the interpretation of minimum clear opening and sq. footage requirements.

Also the ICBO Code Change Committee has approved the above wording to the Uniform Building Code Sections 1304 and 1404. This may be found as change No. 41, Page 13 of the May-June 1974 supplement of BUILDING STANDARDS.

(Use additional pages if necessary)

The 52nd Annual Assembly of Building Officials Conference of America approved this change both for the BOCA Code and the One and Two Family Dwelling Code. These changes were approved by the assembly on June 10 and 11 in Detroit, Michigan.

The above dimensions would make a vertical sash opening in a window unit have clear opening dimensions of at least 20" wide by 42" high and a horizontal sash opening in a window unit have clear opening dimensions of at least 35" by 24" high. Both of these minimum sizes have been tested by San Diego firemen with full rescue packs and found to be acceptable. These sizes also represent a substantial increase in the present requirements of the Uniform Building Code.

This change may have beneficial effects on construction costs and delivery schedules for builders and home owners who wish to use national distributor standardized products that meet the 20" and 24" requirement.

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)
DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent James Schorn & Associates Title Manufacturing Agent 426-2782
Address 1687 Peltier Lake Dr. City Centerville State Minneosta Zip 55038
Proposed amendment to the Uniform Building - 1973 Code. Section 1304

(Check one)

☐ Change subsection to read as follows ☐ Delete subsection and sustitute as follows
☒ Add new subsection to read as follows ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

Sec. 1304. Stairs, exits and smokeproof enclosures shall be as specified in Chapter 33.

All stairs and exits in Group H Occupancies shall open directly upon a street or alley or upon a yard or court not less than 4 feet in width directly connected to a street or alley be means of a passageway not less in width than the stairway opening into such passageway and not less than 7 feet in height.

Buildings more than one story in height shall have no transoms or ventilating openings from guest rooms to public corridors.

Door openings from guest rooms to pulbic corridors shall be protected as specified in Section 3304.

Every sleeping room below the fourth floor shall have at least one window or exterior door approved for emergency exit or rescue. Where windows are provided they shall have a sill height not more than 48 inches above the floor.

Windows with a net clear openable area of not less than 5 square feet with no dimension less than 22 inches shall be deemed to meet the requirements of this Section provided the sill heights are not over 48 inches above the floor. (cont)

(Use additional pages if necessary)

SUPPORTING STATEMENTS: Every two, three, four (2,3,4) story home or apartment should have a permanently-mounted fire escape ladder to provide a safe exit from a home or an apartment in an emergency.

National Figures: Every 45 seconds there is a residential fire - 700,000 such fires in our country this last year--72,000 persons are injured by these fires--over 6,000 are killed--3,500 of these are children--80% of these deaths are caused by smoke and toxic gas inhalation.

State of Minnesota fire fatalities (single dwelling) 1973:

11 children 34 adults 144 injuries

(Use additional pages if necessary)

A permanently-mounted exterior fire escape ladder shall be installed in an accessible postion adjacent to required emergency windows.

1974 single dwellings fatalities (through July)

10 children 22 adults 106 injuries

THESE FIGURES DO NOT INCLUDE MULTIPLE DWELLINGS, (i.e.) APARTMENTS.

By providing a permanently-mounted fire escape ladder, a quick and easy evacuation of an upper floor can successfully be accomplished by any child or adult. Permanently-mounted fire escape ladders have been enthusiastically received by fire departments and insurance companies.

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)
DATE REC'D
DATE OF PUBLIC HRG.
DATE OF ADOPTION

Proponent Andersen Corporation Title

Address City Bayport State MN Zip 55003

Proposed amendment to the Uniform Building Code. Section 1404

(Check one)

☐ Change subsection to read as follows ☒ Delete subsection and sustitute as follows

☐ Add new subsection to read as follows ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

Section 1404. Stairs and exits shall be provided as specified in Chapter 33.

Every sleeping room below the fourth floor shall have at least one openable window or exterior door approved for emergency ~~exit~~ egress or rescue. The units must be openable from the inside to a full clear opening without the use of separate tools. Where windows are provided they shall have a sill height of not more than 48 ~~inches~~ 44 inches above the floor.

~~Windows with a net clear openable area of not less than 5 square feet with no dimension less than 22 inches shall be deemed to meet requirements of this Section provided the sill heights are over 48 inches above the floor.~~

All egress or rescue windows from sleeping rooms must have a minimum clear opening of 5.7 square feet. The minimum net clear opening height dimension shall be 24 inches. The minimum net clear opening width dimension shall be 20 inches.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

The reasons for this request are: It will help alleviate confusion on the part of the local official as to the interpretation of minimum clear opening and sq. footage requirements.

Also the ICBO Code Change Committee has approved the above wording to the Uniform Building Code Sections 1304 and 1404. This may be found as change No. 41, Page 13 of the May-June 1974 supplement of BUILDING STANDARDS.

The 52nd Annual Assembly of Building Officials Conference of America approved this change both for the BOCA Code and the One and Two Family Dwelling Code. These changes were approved by the assembly on June 10 and 11 in

(Use additional pages if necessary)

Detroit, Michigan.

The above dimensions would make a vertical sash opening in a window unit have clear opening dimensions of at least 20" wide by 42" high and a horizontal sash opening in a window unit have clear opening dimensions of at least 35" by 24" high. Both of these minimum sizes have been tested by San Diego firemen with full rescue packs and found to be acceptable. These sizes also represent a substantial increase in the present requirements of the Uniform Building Code.

This change may have beneficial effects on construction costs and delivery schedules for builders and home owners who wish to use national distributor standardized products that meet the 20" and 24" requirement.

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

DATE REC'D
DATE OF PUBLIC HRG.
DATE OF ADOPTION

Proponent James Schorn & Associates Title Manufacturing Agent 426-2782

Address 1687 Peltier Lake Dr. City Centerville State Minnesota Zip 55038

Proposed amendment to the Uniform Building - 1973 Code. Section 1404

(Check one)

- ☐ Change subsection to read as follows
- ☐ Delete subsection and sustitute as follows
- ☒ Add new subsection to read as follows
- ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

Sec. 1404. Stairs and exits shall be provided as specified in Chapter 33.

Every sleeping room below the fourth floor shall have at least one window or exterior door approved for emergency exit or rescue. Where windows are provided they shall have a sill height not more than 48 inches above the floor.

Windows with a net clear openable area of not less than 5 square feet with no dimension less than 22 inches shall be deemed to meet the requirements of this Section provided the sill heights are not over 48 inches above the floor.

A permanently - mounted exterior fire escape ladder shall be installed in an accessible position adjacent to required emergency windows.

(Use additional pages if necessary)

SUPPORTING STATEMENTS: Every two, three, four (2,3,4,) story home or apartment should have a permanently-mounted fire escape ladder to provide a safe exit from a home or an apartment in an emergency.

National Figures: Every 45 seconds there is a residential fire - 700,000 such fires in our country this last year--72,000 persons are injured by these fires--over 6,000 are killed--3,500 of these are children--80% of these deaths are caused by smoke and toxic gas inhalation.

State of Minnesota fire fatalities (single dwelling) 1973:

11 children 34 adults 144 injuries

(Use additional pages if necessary)

(cont

1974 single dwelling fatalities (through July)

10 children 22 adults 106 injuries

THESE FIGURES DO NOT INCLUDE MULTIPLE DWELLINGS, (i.e.) APARTMENTS.

By providing a permanently-mounted fire escape ladder, a quick and easy evacuation of an upper floor can successfully be accomplished by any child or adult. Permanently-mounted fire escape ladders have been enthusiastically received by fire departments and insurance companies.

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent Building Code Division Title _____

Address 408 Metro Square City St. Paul State Minnesota Zip 55101

Proposed amendment to the Uniform Building Code. Section 1717

(Check one)

☐ Change subsection to read as follows ☐ Delete subsection and sustitute as follows

☒ Add new subsection to read as follows ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

Sec. 1717.(a) General. Foam plastic shall comply with the smoke density and toxicity requirements of Section 5202.

(b) Specific Requirements. The following requirements shall apply to all uses of foam plastics in or on the walls, ceilings or both, unless specifically approved. Such approval shall be based on acceptable diversified tests such as, but not limited to, Tunnel tests conducted in accordance with U.B.C. Standard No. 42-1, full scale corner tests and an ignition temperature test:

1. Foam plastics having a flame spread of 75 or less may be used in the following locations.

A. Within the cavity of a masonry or concrete wall.

B. On the room side surface of conforming walls or ceiling, provided the foam plastic is fully protected from the interior of the building by a thermal barrier of 1/2 inch gypsum wallboard or other approved material having a finish rating of not less than 15 minutes as determined by U.B.C. Standard No. 43-1. Thermal barriers shall be installed in a manner that will assure they will remain in place for 15 minutes.

C. Within the wall cavity of combustible nonfire-resistive wall construction provided the protection is applied as described in Item B.

D. Within the cavity of walls classified as combustible fire-resistive construction provided fire tests are conducted in accordance with U.B.C. Standard No. 43-1 and the protection from the interior of the building is at least equivalent to that required in Item B.

2. Foam plastics insulation having a flame spread of 75 or less when tested in a thickness of 4 inches may be used in thicknesses up to 10 inches for use in cold storage rooms, food processing rooms, ice plant and similar rooms when the

(Use additional pages if necessary) (See Additional page.)

SUPPORTING STATEMENTS:

Certain foam plastics have performed poorly in actual situations. Tunnel tests alone do not provide the necessary information to evaluation plastic performance properly. This Amendment has been approved by the membership of I.C.B.O. and will be included in the next regular edition (1976) of the U.B.C.

(Use additional pages if necessary)

Proposed Code Amendment

Minnesota Building Code Division
Department of Administration
408 Metro Square
7th and Robert Streets
St. Paul, Minnesota 55101

Proposed Amendment to the Uniform Building Code. Section 1717

x Add new subsection to read as follows

room is protected with automatic sprinklers and the insulation is covered with 1/2 inch portland cement, plaster or other approved material having a finish rating of not less than 15 minutes as determined by U.B.C. Standard No. 43-1. Thermal barriers shall be installed in a manner that will assure they remain in place for 15 minutes.

3. Foam plastics insulation on walls having a flame spread of 25 or less may be used in a thickness of not more than 4 inches in or on walls when the foam plastic is covered by a thickness not less than 0.032 inch aluminum or 26 gauge galvanized sheet steel and the insulated area is protected with automatic sprinklers. Such walls shall not be used where non-combustible fire-resistive construction is required.

4. Foam plastics may be used as a roof covering if the foam plastic is a part of a Class A, B or C roofing assembly.

5. Agricultural buildings in Fire Zone No. 3 used exclusively for the storage of farm produce or for housing of livestock or poultry when such buildings have but intermittent and limited occupancy by humans, may employ the use of unprotected foam plastics having a flame spread of 25 or less.

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)
DATE REC'D
DATE OF PUBLIC HRG.
DATE OF ADOPTION

Proponent The Sussel Company Title The Sussel Company

Address 1850 Como Ave. City St. Paul State Minn. Zip 55108

Proposed amendment to the 1973 Edition of U.B.C. Code. Section 2305(c)

(Check one)

- [x] Change subsection to read as follows
- [ ] Delete subsection and sustitute as follows
- [ ] Add new subsection to read as follows
- [ ] Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

Snow loads. Snow loads full or unbalanced shall be considered where such loading will result in larger members or connections. A basic snow load of 40 pounds per square foot of horizontal projection is required in the following counties: Anoka, Carlton, Carver, Chisago, Cook, Dakota, Hennepin, Isanti, Lake, Pine, Ramsey, St. Louis, Scott, and Washington. A basic snow load of 30 pounds per square foot of horizontal projection is required for all other counties not metioned above. Potential accumulation of snow at valleys, parapets, roof structures, and off-sets in roofs of uneven configuration shall be considered. Where snow loads occur, the snow loads shall be determined by the building Official in accordance with Appendix C.

EXCEPTION: 1 The requirements of Appendix C shall not apply to Group I and J Occupancies.

Snow loads in excess of 20 pounds per square foot may be reduced for each degree of pitch over 20 degrees by R_s as determined by the following

$$R_s = \frac{S}{40} - \frac{1}{2}$$

(Use additional pages if necessary) (cont.)

SUPPORTING STATEMENTS:

A detached garage is not for human occupancy, and the hazards are low. Thousands of detached garages have been constructed with no signs of structural distress using 30 pounds per square foot snow load value.

(Use additional pages if necessary)

WHERE:

R_s = Snow load reduction in pounds per square foot per degree of pitch over 20 degrees.

S = Total snow load in pounds per square foot.

EXCEPTION: 2 A basic snow load of 30 pounds per square foot of horizontal projection shall be acceptable for detached Group J, Division I in all counties.

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)
DATE REC'D
DATE OF PUBLIC HRG.
DATE OF ADOPTION

Proponent Sussel Company Title Sussel Company

Address 1850 Como Avenue City St. Paul State Minn. Zip 55108

Proposed amendment to the 1973 Edition of the URC Code. Section 2907(a)-2

(Check one)

- [x] Change subsection to read as follows
- [ ] Delete subsection and sustitute as follows
- [ ] Add new subsection to read as follows
- [ ] Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

When the soil, natural or fill, is sand or pit run sand and gravel, and of depth in accordance with minimum footings depth requirements for each zone, slab on grade construction which supports roof and wall loads shall be permitted. Slab on grade construction for Group J - Division 1 occupancies may be placed on any ~~approved stable~~ soil except peat or muck.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

This wording was approved by the Structural Committee of the Building Code Division at the meeting of June 27, 1974. The Committee felt that since human occupancy is not involved in detached Group J-Division 1 Occupancies and these Occupancies could be built on any available soil except peat and muck.

(Use additional pages if necessary)

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)
DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent Hans P. Larsen, Dept. of Health Title Chief of Section
Address 717 S.E. Delaware St. City Minneapolis State Minnesota Zip 55440
Proposed amendment to the Uniform Building Code. Section 3304(h)

(Check one)

☐ Change subsection to read as follows ☐ Delete subsection and sustitute as follows
☒ Add new subsection to read as follows ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

Exceptions: 1. Protection of openings in the interior walls of exterior exit balconies is not required.

2. Corridor doors serving rooms or areas for Occupancy or use of patient-residents in Group D Occupancies need not be maintained self-closing or be automatic closing, provided an ionization smoke detection system or similar approved device is installed in the corridors. Detectors for this system shall be spaced no farther apart than 30 feet nor more than 15 feet from any wall or patient room door.

(Use additional pages if necessary)

SUPPORTING STATEMENTS: Justifications for this amendment proposal:

1. Many elderly, infirm or physically handicapped patients do not have the strength or mobility to open doors fitted with automatic closing devices.
2. Staff will be unable to continually observe patients from the corridors during routine or special rounds of duty.
3. Such doors held open with electric holdback devices are a hazard to patients who are present in the doorways during times of automatic closing.
4. Staff is present on a 24-hour basis and is trained in emergency procedures.
5. The National Fire Protection Association has not made door closers a required provision.

(Use additional pages if necessary)

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)
DATE REC'D
DATE OF PUBLIC HRG.
DATE OF ADOPTION

Proponent Frank Wood Title State Detention Specialist

Address 430 Metro Square Building City St. Paul State Minnesota Zip 55101

Proposed amendment to the Uniform Building Code. Section 3304

(Check one)

[X] Change subsection to read as follows [ ] Delete subsection and sustitute as follows

[ ] Add new subsection to read as follows [ ] Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

(h) Openings. Where corridor walls are required to be of one-hour fire-resistive construction by subsection (g) above, every door opening shall be protected by a tight-fitting smoke barrier and fire assembly having a fire protection rating of not less than 20 minutes when tested in accordance with U.B.C. Standard No. 43-2 without the hose stream test. Except in Group DI Occupancies Doors shall be maintained self-closing or shall be automatic closing in accordance with Section 4306 (b) 2. Glazed openings of the size and construction permitted for three-fourths hour fire door assemblies in Section 4306 (f) may be installed in such doors. Other interior openings shall be protected by approved ¼ inch thick wired glass set in steel frames. The total area of all openings, other than doors, in any portion of an interior corridor shall not exceed 25 percent of the area of the corridor wall of the room which it is separating from the corridor.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

The requirement of a self-closing device on a door within a detention facility presents a usable dangerous weapon, and also severely restricts the time of opening and closing of doors in the event of disorder. The self-closing device also prevents a door from opening 180° which is an essential capability for many doors of a detention facility.

(Use additional pages if necessary)

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent Frank Wood Title State Detention Specialist

Address 430 Metro Square Bldg. City St. Paul State Minnesota Zip 55101

Proposed amendment to the Uniform Building Code. Section 3304

(Check one)

[X] Change subsection to read as follows [ ] Delete subsection and sustitute as follows

[ ] Add new subsection to read as follows [ ] Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

(d) Projections. The required width of corridors shall be unobstructed. Exception: Trim handrails, and doors when fully opened, shall not reduce the required width by more than 7 inches. Except in group DI, doors in any position shall not reduce the required width by more than one-half.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

This exception is required to prevent the widths of corridors from being unnecessarily wide. Doors to prisoner rooms or other activity areas are subject to barricade when swinging into the room rather than out in the corridor. The present restriction would force either a narrower door or a wider corridor that would result in additional, but unnecessary expense to the builder.

(Use additional pages if necessary)

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)
DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent Frank W. Wood Title State Detention Specialist
Address 430 Metro Square Building City St. Paul State Minnesota Zip 55101
Proposed amendment to the Uniform Building Code. Section 3802

(Check one)

[X] Change subsection to read as follows [ ] Delete subsection and sustitute as follows
[ ] Add new subsection to read as follows [ ] Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

(b) 1. In every story, basement or cellar of all buildings except Group I and D1 Occupancies when floor area exceeds 1,500 square feet and there is not provided at least 20 square feet of opening entirely above the adjoining ground level in each 50 lineal feet or fraction thereof of exterior wall in the story, basement or cellar on at least one side of the building. Openings shall have a minimum dimension of not less than 30 inches. Such openings shall be maintained readily accessible to the Fire Department and shall not be obstructed in a manner that fire fighting or rescue cannot be accomplished from the exterior.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

The exception is required to maintain the perimeter security of a detention facility without constructing a second barrier within the facility which would prohibit the proper use of space for prisoners of medium and minimum security classifications.

In addition, the requirement of a second barrier is an unnecessary expense to the builder for the purpose of confining the majority of prisoners.

(Use additional pages if necessary)

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

DATE REC'D
DATE OF PUBLIC HRG.
DATE OF ADOPTION

Proponent James H. Forberg Title Architect

Address 1409 Willow Street City Mpls State Minn. Zip 55403

Proposed amendment to the State Building Code. Section 3802(b) 5

(Check one)

☐ Change subsection to read as follows ☐ Delete subsection and sustitute as follows

☒ Add new subsection to read as follows ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

Exception : 1 In hospitals of Types I and II construction the automatic fire-extinguishing system may be omitted from operating rooms, X-ray rooms, delivery rooms, cardiac and intensive care rooms and patient sleeping rooms not exceeding 600 square feet in area when each such room is provided with detectors of products of combustion other than heat, complying with U.B.C. Standard No. 43-6.

2. In hospitals of Type IV Construction, the automatic fire extinguishing system may be omitted from operating rooms, X-ray rooms, delivery rooms, cardiac and intensive care rooms when each such room is provided with detectors of products of combustion other than heat, complying with U.B.C. Standard No. 43-6.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

(Use additional pages if necessary)

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent Building Code Division Title _____

Address 408 Metro Square City St. Paul State Minnesota Zip 55101

Proposed amendment to the Uniform Building Code. Section 4201

(Check one)

☐ Change subsection to read as follows ☐ Delete subsection and sustitute as follows

☒ Add new subsection to read as follows ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

Add new second paragraph to read:

Foam plastics shall not be used as interior finish except as provided in Section 1717.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

See proposed Code Amendment for Section 1717.

(Use additional pages if necessary)

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)

DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent Building Code Division Title _____

Address 408 Metro Square City St. Paul State Minnesota Zip 55101

Proposed amendment to the Uniform Building Code. Section Table No. 42-B

(Check one)

☐ Change subsection to read as follows ☐ Delete subsection and sustitute as follows

☒ Add new subsection to read as follows ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

Opposite Group J Occupancy add a Footnote Reference 4 and a Footnote 4 to read as follows:

[4]Foam Plastics shall comply with the requirements set forth in Section 1717.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

See proposed Code Amendment for Section 1717.

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)
DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent Building Code Division Title _____

Address 408 Metro Square City St. Paul State Minnesota Zip 55101

Proposed amendment to the Uniform Building Code. Section U.B.C. Standard No. 43-1

(Check one)

- [x] Change subsection to read as follows
- [ ] Delete subsection and sustitute as follows
- [ ] Add new subsection to read as follows
- [ ] Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

Revise by including Underwriters' Laboratories procedures for determining finish rating.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

See proposed Code Amendment for Section 1717.

(Use additional pages if necessary)

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

(OFFICIAL USE ONLY)
DATE REC'D _____
DATE OF PUBLIC HRG. _____
DATE OF ADOPTION _____

Proponent Stu Bennerotte Title Mfg. Rep.
Address 10906 Wayzata Blvd. City Minnetonka State MN Zip 55343
Proposed amendment to the St. Fire Marshal's Code. Section SFM 554 (g)
Rules and Regulations
(handicapped provisions)

(Check one)

☒ Change subsection to read as follows ☐ Delete subsection and sustitute as follows

☐ Add new subsection to read as follows ☐ Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

(g) Water mix controls shall be of the ~~thermostate-mixing-type.--Manual mixing-values-shall-be-avoided~~ approved automatic adjustable temperature control device that shall contain means for a maximum temperature setting to prevent H20 being delivered from the showerhead in excess of 110 degrees to 112 degrees F. Said automatic temperature control device shall have a compression type positive shut-off, shall be designed to prevent by passing and to prevent a temperature change from the desired setting of plus or minus 2 degrees F. Any automatic temperature control device that permits a supply of water to the shower head when turned on without first passing through the cold water supply is prohibited.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

(Use additional pages if necessary)

Proposed Code Amendment

MINNESOTA BUILDING CODE DIVISION
DEPARTMENT OF ADMINISTRATION
127 UNIVERSITY AVE.
ST. PAUL, MINNESOTA 55103
TELEPHONE 612/296-3705

DATE REC'D
DATE OF PUBLIC HRG.
DATE OF ADOPTION

Proponent Stu Bennerotte Title Mfr. Rep.

Address 10906 Wayzata Blvd. City Minnetonka State MN Zip 55343

Proposed amendment to the St. Fire Marshal's Code. Section SFM 555
Rules and Regulations
(handicapped provisions)

(Check one)

[x] Change subsection to read as follows [ ] Delete subsection and sustitute as follows

[ ] Add new subsection to read as follows [ ] Delete subsection without substitution

Insert here the specific code change, with the exact wording proposed. Present wording of the section of the code is to be shown, with all wording that is to be deleted to be shown with a line drawn through the words. All proposed new wording is to be underscored.

(j) Water mix controls shall be of the ~~thermostate-mixing-type.--Manual mixing-values-shall-be-avoided~~ approved automatic adjustable temperature control device that shall contain means for a maximum temperature setting to prevent H20 being delivered from the shower head in excess of 110 degrees F. Said automatic temperature control device shall have a compression type positive shut-off, shall be designed to prevent by passing and to prevent a temperature change from the desired setting of plus or minus 2 degrees F. Any automatic temperature control device that permits a supply of water to the shower head when turned on without first passing through the cold water supply is prohibited.

(Use additional pages if necessary)

SUPPORTING STATEMENTS:

(Use additional pages if necessary)

Proposed amendment to the 1975 National Electrical Code to delete Article 210-8(b) as follows:

Delete Article 210-8(b)

~~(b) Construction Sites.--All 120-volt single-phase 15- and 20-ampere receptacle outlets which are not a part of the permanent wiring of the building or structure, shall have ground fault circuit interrupters for personnel protection.~~

~~Exception:--Receptacles on a portable generator rated not more than 5 kW, where the circuit conductors of the generator are insulated from earth and the generator frame is insulated from earth and all grounded surfaces.~~

November 21, 1974

EXHIBIT D

STATE OF MINNESOTA

COUNTY OF RAMSEY

In the matter of the Proposed Amendments to the State Building Code

AFFIDAVIT

Herbert W. Meyer, being duly sworn, on oath deposes and says:

1) That he is an employee of the Department of Administration of the State of Minnesota.

2) That on the 13th day of December, 1974, he requested from the Secretary of State's office for the State of Minnesota current list of all representatives of associations and other interested groups or persons who had registered their names with the Secretary of State for the purpose of obtaining notices of public hearings relating to the promulgation of regulations pursuant to Minn. Stat. 15.0412.

3) That on the 13th day of Dec., 1974 in response to the above request, the Secretary of State provided him with such a list, a copy of which is attached hereto and incorporated by reference.

Further affiant sayeth not.

NORENE M. CARR
Notary Public, Ramsey Co. Mn.
MY COMMISSION EXPIRES
Febuary 25, 1981

Herbert W. Meyer

Herbert W. Meyer
State Building Inspector
Minnesota Department of Administration

Subscribed to and sworn to before me this 13th day of January 1975

Norene M Carr

STATE OF MINNESOTA

COUNTY OF RAMSEY

In the matter of the Proposed Amendments to the State Building Code

CERTIFICATE

I hereby certify that the attached/ 393 labels and .2 sheets constitute the complete list of persons, associations, and other interested groups who as of 10:40 o'clock A.M., this 13th day of December, 1974, have requested pursuant to Minn. Stat. 1971, Section 15.0421, that their names be placed on file with the Secretary of State for the purpose of receiving notice of public hearing on proposed rules on the subject captioned above.

Arlen I. Erdahl

Arlen I. Erdahl
SECRETARY OF STATE

By:

55103
ST PAUL MN
55 SHEPPARD AVE
ADMINISTRATIVE MGRS ASSN INC

EXHIBIT B

STATE OF MINNESOTA

COUNTY OF RAMSEY

In the matter of the Proposed Amendments to the State Building Code

AFFIDAVIT OF MAILING

Herbert W. Meyer, being first duly sworn, deposes and says:

That on the 13th day of December, 1974 at the City of St. Paul, County of Ramsey, State of Minnesota, he served the attached Notice of Hearing by depositing in the United States mail at said City of St. Paul, a true and correct copy thereof, properly enveloped, with postage prepaid, to all local governmental units, all persons and associations at the addresses listed on the attached Certificate regarding the Secretary of State, members of the Minnesota Legislature, and other interested individuals.

NORENE M. CARR
Notary Public, Ramsey Co. Mn.
MY COMMISSION EXPIRES
Febuary 25, 1981

Herbert W. Meyer

Herbert W. Meyer
State Building Inspector
Minnesota Department of Administration

Subscribed to and sworn to before me this 13th day of January, 1975

Norene M Carr

EXHIBIT A

STATE OF MINNESOTA

COUNTY OF RAMSEY

BEFORE THE

COMMISSIONER OF ADMINISTRATION

In the Matter of the Proposed Amendments to the State Building Code

APPOINTMENT

Herbert W. Meyer is hereby appointed to serve as hearing officer on behalf of the Commissioner of Administration in the above-captioned matter, said hearing to be held on January 14, 1975, and continue until all representatives of associations or other interested groups or persons have had an opportunity to be heard.

This appointment is made pursuant to Minn. Stat. 1971, Section 16.86, Subdivision 4.

Dated: January 13, 1975

Richard L. Brubacher

Richard L. Brubacher
Commissioner of Administration

STATE OF MINNESOTA

COUNTY OF RAMSEY

BEFORE THE

COMMISSIONER OF ADMINISTRATION

In the matter of the
Proposed Amendments to
the State Building Code

FINDINGS OF FACT

The above-entitled matter came on for hearing before the Commissioner of Administration of the State of Minnesota on the 14th day of January, 1975, at 8:01 a.m. at the Howard Johnson Motor Lodge, 8401 Cedar Avenue, Bloomington, Minnesota, after proper notice required by Minn. Stat. 1974, Section 15.0412, Subdivision 4 was served upon all persons, associations and other interested groups registered with the Secretary of State for that purpose.

After affording interested persons an opportunity to present written and oral data, statements and arguments, having heard all the testimony, having considered all of the evidence adduced and upon the records, files and proceedings herein, I find the following regarding the proposed amendments:

SBC 111 Fees

(a) Plan Checking.

1. Plan checking of buildings or structures conducted by the Division shall have a fee based on valuation in accordance with Table No. III-A. "Valuation" means the total cost of construction exclusive of site work not related to the construction.

   There shall be no additional fee charged for consultation with designers, or for re-checking provided no substantial change in the design has been made. When in the opinion of the Division a substantial change has been made in the design, the re-checking fee shall be based on a rate of $15.00 per hour or fraction thereof.

   No fee shall be charged for state-owned buildings.

Mr. Edward Baker, representing the Minneapolis Building Owners and Managers Association (Mpls. BOMA), spoke in favor of the amendment. He stated that the Association knows that the Building Code Division is better qualified than most municipal Building Officials in reviewing plans and specifications. They also favored the review being done by qualified professionals or as supervised by such professionals in the Building Code Division. Minneapolis BOMA also submitted a written statement outlining the above testimony. Sol Jacobs, Minneapolis Building Inspector, testified that the State should be paid a fee as proposed since they would do the plan review for municipalities that do not provide such services or do not have qualified plan reviewers. William Anderson of the Minnesota Building Code Division testified as to the need of the amendment in providing assistance to the municipal building officials, the design professions and building industry. One written comment was received from the Minnesota Housing Institute outlining the need for careful administration of the fee charges. No oral or written testimony opposed the proposed amendment.

The Building Code Standards Committee concurred with the testimony and recommended adoption of the amendment. The need for plan review with fees by the Building Code Division is demonstrated by the testimony. The amendment is found to be necessary.

UBC 2305 (c) Snow Loads. (The only portion amended is the exception)

EXCEPTIONS: 2. A basic snow load of 30 pounds per square foot of horizontal projection shall be acceptable for detached Group J, Division 1 Occupancies in all counties.

Mr. Ted Schwenker of the Sussel Company (proponent of the amendment) testified that: 1. There is need by the local building official for a standard that is not only reliable, but also practical to enforce; 2. The concern for unnecessary costs to the homeowner for the additional material and labor; and 3. The lack of necessity for a 40 pound snow load requirement in an uninhabited building. Mr. Marlin Grant of the Minnesota Housing Institute stated that many detached garages with a 30 pound snow load have been built in Minnesota and have not resulted in failures or caused problems. He also spoke for the need of consistency, uniformity and reducing costs of construction. Stanley Barenbaum, president of the Sussel Company, said that they have built over 25,000 garages, and prior to the State Building Code most of them were built with a 30 pound snow load and he does not know of any failures.

Glenn Erickson, St. Paul City Architects, wrote in favor of the amendment, especially to ensure uniformity throughout the state. Mr. P. J. Hall, Building Inspector, Bloomington, wrote favoring the amendment based on his eighteen years experience in inspecting garages built to a 30 pound snow load with no failures, and for the reduction of building cost. Mr. Sol Jacobs, Minneapolis Building Inspector, opposed the amendment at the hearing but later reversed his position and now supports the amendment. Joe Prause, Coon Rapids Building Official, opposed the amendment because he felt that the change would lessen the safety to the occupants of the building. Minneapolis BOMA opposed the amendment because they felt the roof loads should be standard for inhabited and uninhabited buildings.

The Structural Subcommittee, which acts in an advisory capacity to the State Building Inspector and the Building Code Standards Committee, has recommended adoption of the proposed amendment as submitted in writing by the Sussel Company. The Committee, composed of registered structural engineers and other professionals, concurred with the Sussel Company's reasons and also agreed that their combined experience could not pinpoint any failures of Group J detached garages built with a 30 pound roof load on a sloped roof anywhere in Minnesota.

Based on the preponderance of oral and written testimony, the Building Code Standards Committee recommended adoption of the amendment. The amendment provides for standardization throughout the state for detached private garages resulting in cost savings, and is necessary to ensure uniformity of application of the code throughout the state.

UBC 2907 (a) 2. Soil under Slab On-Grade for Accessory Buildings.

When soil, natural or fill, is sand or pit run sand and gravel, and of depth in accordance with minimum footings depth requirements for each zone, slab on grade construction which supports roof and wall loads shall be permitted. Slab on grade construction for detached buildings Group J, Division 1 Occupancies may be placed on any soil except peat or muck.

Mr. Ted Schwenker of the Sussel Company testified that the amendment would clarify and better define what soils are acceptable to support a Group J, Division 1, slab-on-grade building. Exhibit "J" supports his testimony.

Mr. Charles Britzius, member of the Advisory Structural Committee and chairman of a sub-committee on "Soils and Foundations" testified that the Subcommittee and main Structural Committee recommended the amendment. Mr. Britzius stated that the amendment is a clarification of acceptable soils and would assist building officials in determining when and where slab-on-grade construction can be approved. Marlin Grant, Minnesota Housing Institute, stated that the Institute supported the amendment. Glenn Erickson, St. Paul City Architect, wrote supporting the amendment as it clarified and will assist building officials in uniformity of enforcement. Sol Jacobs, Minneapolis Building Inspector, opposed the amendment as he feels it would tend to increase the cracking and breaking up of concrete slabs. Mr. Jacobs favors stronger requirements for soil approval.

No other adverse testimony was presented.

The Building Code Standards Committee attended the hearing, reviewed the transcript and written evidence. Based on that review, they recommended adoption of the amendment. The amendment provides a clarification of soils that may be approved for use and is easily understood by enforcement agencies and the construction industry. The amendment is required to ensure uniformity of application and to provide a clarification of approved soils.

UBC 3304 (h) Door Closing Devices in Hospital Corridors.

EXCEPTIONS:

1. Protection of openings in the interior walls of exterior exit balconies is not required.

2. In Group D Occupancies in which an approved complete standard automatic fire extinguishing system is installed, corridor doors serving sleeping rooms need not be maintained self-closing or be automatic closing.

Mr. Hans Larson of the Minnesota Department of Health, the proponent of the amendment, outlined the need for the amendment and the many requests the Health Department had received to not require door closers on patient doors. Mr. Larson's justifications for this proposed amendment were as follows:

1. Many elderly, infirm or physically handicapped patients do not have the strength or mobility to open doors fitted with automatic closing devices.
2. Staff will be unable to continually observe patients from the corridors during routine or special rounds of duty.
3. Such doors held open with electric holdback devices are a hazard to patients who are present in the doorways during times of automatic closing.
4. Staff is present on a 24-hour basis and is trained in emergency procedures.
5. The National Fire Protection Association has not made door closers a required provision.

Mr. James Forberg, representing the Minnesota Society of Architects and Building Code Task Force, spoke in favor of the amendment. He reviewed three letters that he had received from hospitals and nursing homes. These letters are a part of Exhibit "K", and favor the amendments. The letters reviewed the problems that the writers had encountered with doors that had self-closing devices and that patients could not open the self-closing doors and that some had been hurt by such doors.

Mr. Harry Limieux, representing the Minnesota Association of Health Care Facilities presented essentially the same reasons in his testimony. Clarence Harkins, an architect, supported the amendment but recommended it be limited to only patient room doors. Mr. Edward Korzenowski of K & W Sales Company, and representing the Northwest Chapter of the American Society of Architectural Hardware Consultants, recommended postponing the adoption of the amendment to allow time to study alternate solutions.

Mr. Ben Gaudette representing the Twin City Hospital Engineers Association, stated that the Association voted to support the amendment. Mr. Gaudette stated that in most hospitals, self-closing doors are blocked open to eliminate the problems they have with the normal use by nurses, staff, patients and visitors, when the doors are operable. The engineers feel that staff in hospitals are trained for emergencies and can close the doors when necessary.

Mr. Steven Rogness, Executive Director of the Minnesota Hospital Association which represents one hundred twenty (120) non-profit nursing homes, stated that they supported the amendment for the same reasons as outlined by Mr. Gaudette. Mr. William Hopkins, testifying on behalf of the Minnesota Society for Crippled Children and Adults, indicated the Society's support of the amendment. Ten letters from Minnesota nursing homes, fourteen from Minnesota hospitals, nine from architects and two from associations were received in support of the amendment. All of the written testimony generally provided the same reasons for supporting the amendment as presented by the persons testifying at the hearing; primarily the possible harm to patients or residents, and difficulty in day to day use resulting in the blocking open of self-closing doors to allow free and normal use of the doors. They also questioned and opposed the additional cost of the closing devices when weighed against the safety provided.

No oral or written testimony opposing the amendment was received.

The Building Code Standards Committee recommended adoption of the amendment. The overwhelming testimony in favor of the amendment requires its adoption.

UBC 3802 (b) 5. Fire Sprinklers in Certain Hospital Rooms.

In all Group D Occupancies except jails, prisons and reformatories; however, the respective increases for area and height specified in Sections 506(c) and 507 shall be permitted.

EXCEPTIONS:

1. In hospitals of Types I and II construction, the automatic fire-extinguishing system may be omitted from operating rooms, X-ray rooms, delivery rooms, cardiac and intensive care rooms and patient sleeping rooms not exceeding 600 square feet in area when each such room is provided with detectors of products of combustion other than heat, complying with UBC Standard No. 43-6.

2. In hospitals of Type IV construction, the automatic fire extinguishing system may be omitted from operating rooms, X-ray rooms, delivery rooms, cardiac and intensive care rooms when each such room is provided with detectors of products of combustion other than heat, complying with UBC Standard No. 43-6.

Mr. James Forberg representing the Minnesota Society of Architects and Building Code Task Force, supported the amendment which provides that hospitals of Type IV non-combustible buildings can have certain rooms exempted from the installation of sprinklers if the rooms are protected by automatic fire detectors. Mr. Forberg further stated that the increased use of electrical and electronic equipment, which poses a shock hazard to patients if water spray from a sprinkler system occurred, is the same regardless of the type of construction. The proposed "excepted rooms" are the same as those excepted rooms outlined in Exception 1 for hospitals of Type I and II construction. Other potential hazards are essentially the same in such rooms regardless of the type of construction.

No testimony in opposition of the proposed amendment was received. The amendment provides adequate safety as outlined by Mr. Forberg. The Building Code Standards Committee recommended the adoption of the amendment. In accordance with the testimony and Committee recommendation, the amendment is determined to be reasonable and will provide safety to patients in hospitals of Type IV construction.

SBC 8901 SFM 554(g)

(g) Water mix control shall be an approved automatic adjustable temperature control device that shall contain means for a maximum temperature setting to prevent H_2O from being delivered from the showerhead in excess of 110 degrees to 112 degrees F.

SFM 555(j)

(j) Water mix controls shall be of the approved automatic adjustable temperature control device that shall contain means for a maximum temperature setting to prevent H_2O from being delivered from the showerhead in excess of 110 degrees F. Said automatic temperature control device shall have a compression type positive shut-off, shall be designed to prevent by passing and to prevent a temperature change from the desired setting of plus or minus 2 degrees F. Any automatic temperature control device that permits a supply of water to the showerhead when turned on without first passing through the cold water supply is prohibited.

The two amendments were considered together as they both pertain to water mix valves. Mr. Stewart Benerotte spoke in support of the amendment. He submitted two exhibits (L and M) in support of the amendment. Mr. Benerotte stated that the present definition of mixing valves is not clear and could exclude some valves that are accepted and in use in many states and cities. The amendment would standardize the definition and requirements of mixing valves.

Mr. James Forberg said the Minnesota Society of Architects could not support the amendment unless there were a number of manufacturers of valves that could comply. Mr. Benerotte stated that on page 3 of Exhibit "L" there were fourteen manufacturers listed. Mr. Edward Baker representing "BOMA" stated that they were not opposed but thought it should be referred to the Handicap Committee for further study and review.

The Building Code Standards Committee recommended the adoption of the amendment. No opposing testimony was adduced. Since the amendment provides for the standardization of temperature limitations on water mix valves and the majority of manufacturers produce such valves, the testimony supports the amendment and the Building Code Standards Committee recommends its adoption, the amendment should be adopted.

UBC 3318 (c) Corridors. The minimum clear width of a corridor shall be 44 inches, except that corridors serving any area housing one or more nonambulatory persons shall be not less than 9 feet in width. There shall be no change of elevation in a corridor serving nonambulatory persons unless ramps are used.

In Group D, Division 1 Occupancies such as jails, prisons, reformatories and similar buildings with open barred cells forming corridor walls, the corridors and cell doors need not be fire resistive.

In Group D, Division 1 Occupancies such as jails, prisons, reformatories and similar buildings, doors to corridors used by the inmates need not be maintained self-closing or be automatic closing, may project into the required width of the corridor but when fully opened shall not reduce the required width by more than seven inches.

This section was heard as two items requiring an amendment to UBC 3304(d), Projections, and UBC 3304(h), Door Closing Devices in Hospital Corridors (Jail corridors). The two were combined and editorially placed in the section of the Uniform Building Code which regulates Group D, Division 1 Occupancies such as jails, prisons, etc. The amendment was requested by the Minnesota Department of Corrections and is needed to provide better security and safety in the control and housing of inmates in jails

UBC 3318(c) (continued)

and similar facilities. Representatives of the Department of Corrections indicated that this exception is required to prevent the widths of corridors from being unnecessarily wide. Doors to prisoner rooms or other activity areas are subject to barricade when swinging into the room rather than out in the corridor. The present restriction would force either a narrower door or a wider corridor that would result in additional security problems for prison authorities in handling inmates, such as to cause injury to the guards or inmates.

Mr. James Forberg, representing the Minnesota Society of Architects, supported the amendment on the basis of his experience in designing such facilities and his knowledge of problems raised by prison authorities resulting from present code requirements.

No testimony in opposition of the amendment was submitted. The Building Code Standards Committee recommended the adoption of the amendment. Based on the testimony and recommendation, the amendment should be adopted to afford safety and security for prison authorities.

UBC 1717 Foam Plastics

(a) General. Foam plastic shall comply with the smoke density and toxicity requirements of Section 5202.

(b) Specific Requirements. The following requirements shall apply to all uses of foam plastics in or on the walls, ceilings or both, unless specifically approved. Such approval shall be based on acceptable diversified tests such as, but not limited to, tunnel tests conducted in accordance with UBC Standard No. 42-1, full scale corner tests and an ignition test:

1. Foam plastics having a flame spread of 75 or less may be used in the following locations:

   A. Within the cavity of a masonry or concrete wall.

   B. On the room side surface of conforming walls or ceiling, provided the foam plastic is fully protected from the interior of the building by a thermal barrier of 1/2 inch gypsum wallboard or other approved material having a finish rating of not less than 15 minutes as determined by UBC Standard No. 43-1. Thermal barriers shall be installed in a manner that will assure they will remain in place for 15 minutes.

   C. Within the wall cavity of combustible non-fire-resistive wall construction provided the protection is applied as described in Item B.

   D. Within the cavity of walls classified as combustible fire-resistive construction provided fire tests are conducted in accordance with UBC Standard No. 43-1 and the protection from the interior of the building is at least equivalent to that required in Item B.

2. Foam plastics insulation having a flame spread of 75 or less when tested in a thickness of 4 inches may be used in thicknesses up to 10 inches for use in cold storage rooms, food processing rooms, ice plant and similar rooms when the room is protected with automatic sprinklers and the insulation is covered with 1/2 inch portland cement, plaster or other approved material having a finish rating of not less than 15 minutes as determined by UBC Standard No. 43-1. Thermal barriers shall be installed in a manner that will assure they remain in place for 15 minutes.

UBC 1717 (continued)

3. Foam plastics insulation on walls having a flame spread of 25 or less may be used in a thickness of not more than 4 inches in or on walls when the foam plastic is covered by a thickness not less than 0.032 inch aluminum of 26 gauge galvanized sheet steel and the insulated area is protected with automatic sprinklers. Such walls shall not be used where non-combustible fire-resistive construction is required.

4. Foam plastics may be used as a roof covering if the foam plastic is a part of a Class A, B or C roofing assembly.

UBC 4201 Foam Plastics

Interior wall and ceiling finish shall mean interior wainscoting, paneling, or other finish applied structurally or for decoration, acoustical correction, surface insulation, or similar purposes. Requirements for finishes shall not apply to trim, defined as picture molds, chair rails, baseboards, and handrails; to doors and windows or their frames nor to materials which are less than 1/28 inch in thickness cemented to the surface of walls or ceilings, if these materials have flame-spread characteristics no greater than paper of this thickness cemented to a noncombustible backing.

Foam plastics shall not be used as interior finish except as provided in Section 1717.

UBC Table 42-B Foam Plastics

Opposite Group J Occupancy, add Footnote reference "4" and a Footnote "4" to read as follows:

[4]Foam Plastics shall comply with the requirements set forth in Section 1717.

UBC Standard 43-1

Revise by including Underwriters' Laboratories procedures for determining finish rating.

UBC 1717, UBC 4201, UBC Table 42-B, and UBC Standard 43-1 were considered as one subject at the hearing, as they are related items. Mr. George Sievert, representative of the Society of Plastics Industries and Urethane Foam Contractors Association of America, gave oral testimony and submitted written testimony in support of the amendments. He also recommended additional changes and corrections which would require another hearing. Mr. Sievert stated that at the present time some insurance companies refuse to insure buildings that have foam plastics installed and not protected as required by the proposed amendments. If they do not refuse to insure, in most cases they raise the insurance rates so that the foam plastics cannot be used because of the increased insurance rates.

Mr. Howard G. Jones of the Pittsburg Corning Corporation presented oral and written testimony in support of the amendment. He also suggested more restrictive requirements which would require another hearing. Mr. Jones stated that because of the severe hazards presented by the installation of foam plastics that more restrictive requirements should be imposed. He suggested the use of the City of New York's law on plastics.

Two representatives of the Hormel Company submitted written testimony opposing the amendments as being too costly and restrictive for construction of coolers.

The Building Code Standards Committee recommended adoption of the amendments. We find that the amendments should be adopted, to provide fire and life safety in structures due to the high combustability of foam plastics insulation based on national and state records of loss experience in fires.

THE FOLLOWING AMENDMENTS ARE NOT ADOPTED:

UBC 1304 and UBC 1404 - Emergency Exits from Sleeping Rooms

Most testimony received regarding these amendments was negative. The persons who originally proposed the amendments have indicated that they would like to resubmit another amendment on this topic.

UBC 1304 and UBC 1404 - Exit Ladders from Sleeping Rooms.

Virtually all testimony received was against these amendments.

NEC Article 210-8(b) - deletion of this article.

This deletion will be postponed until a later public hearing, pending national action.

UBC 3302(b)1 - Exterior Wall Openings in Jails.

The State Fire Marshal strongly opposed this amendment.

Date: October 15, 1975

Richard L. Brubacher

Richard L. Brubacher
COMMISSIONER OF ADMINISTRATION

STATE OF MINNESOTA

COUNTY OF RAMSEY

BEFORE THE

COMMISSIONER OF ADMINISTRATION

In the matter of the
Proposed Amendments to
the State Building Code

ORDER ADOPTING RULES

The above-entitled matter came on for hearing before the Commissioner of Administration of the State of Minnesota on the 14th day of January, 1975, at 8:01 a.m. at the Howard Johnson Motor Lodge, 8401 Cedar Avenue, Bloomington, Minnesota, after proper notice required by Minn. Stat. 1974, Section 15.0412, Subdivision 4 was served upon all persons, associations and other interested groups registered with the Secretary of State for that purpose.

After affording interested persons an opportunity to present written and oral data, statements and arguments, having heard all the testimony, having considered all of the evidence adduced and upon the records, files and proceedings herein, I find the following regarding the proposed amendments:

NOW, THEREFORE, IT IS ORDERED that these rules identified as amendments to the State Building Code: SBC 111, UBC 2305(c), UBC 2907(a)2, UBC 3304(h), UBC 3802(b)5, SFM 554(g)(SBC 8901), SFM 555(j)(SBC 8901), UBC 3318(c)(3304 d and h), UBC 1717, UBC 4201, UBC Table 42B, UBC Standard 43-1, are adopted this 29th day of August, 1975 pursuant to authority vested in me by Minn. Stat. 1974, Section 16.86.

Richard L. Brubacher
Commissioner of Administration