

APPENDIX A
LIST OF PROPOSED CODE CHANGES

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PROPOSED CODE CHANGE

Building Code Change B-1
Section 503(a)
Topic: Minor Accessory Uses

Disposition of Code Change: Text revised to correspond with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

Where minor accessory uses do not occupy more than 20 percent of the area of any floor of a building provided with an approved automatic sprinkler system throughout, or do not occupy more than 10 percent of the area of any floor of a nonsprinklered building, nor more than the basic area permitted in the occupancy by Table No. 5-C for such minor use, for the purpose of determining allowable area the major use of the building shall determine the occupancy classification provided the uses are separated as specified in Section 503(d). Except for buildings containing Group H, Division 1 through Division 4 Occupancies, the provisions of this paragraph are applicable to buildings constructed under the provisions of Section 506(b) for unlimited area.

An occupancy shall not be located above the story or height set forth in Table No. 5-D, except as provided in Section 507.

PROPOSED CODE CHANGE

Building Code Change B-2
Section 503(d)
Topic: Occupancy Separation

Disposition of Code Change: No revisions. Proposal compatible with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

- (d) **Fire Ratings for Occupancy Separations.** Occupancy separations shall be provided between the various groups and divisions of occupancies as set forth in Table No. 5-B.

EXCEPTIONS: 1. ...

2. ...

3. ...

4. ...

5. ...

6. The fire resistive requirements for occupancy separations set forth in Table 5-B may be reduced as permitted by Section 508.

PROPOSED CODE CHANGE

Building Code Change B-3
Table No. 5-B
Topic: Occupancy Separation

Disposition of Code Change: No revisions. Proposal compatible with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

Modify note at bottom of table as follows:

Note: For detailed requirements and exceptions, see Section 503 and Section 508.

PROPOSED CODE CHANGE

Building Code Change B-4

Table No. 5-C

Topic: Allowable Area for
Group I, Division 1 and
2 Occupancies

Disposition of Code Change: Text revised to correspond with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

The following footnote is proposed to be added to Table No. 5-C. The number of the footnote, "7", should be added in the box corresponding to the intersection of rows "I-1", "I-2" and column "Type II-N."

7. One (1) story unlimited area permitted when provided throughout with an approved automatic sprinkler system.

PROPOSED CODE CHANGE

Building Code Change B-5

Table No. 5-D

Topic: Allowable Height for
Group I, Division 1 and
2 Occupancies

Disposition of Code Change: No revisions. Proposal compatible with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

The following footnote is proposed to be added to Table No. 5-D. The number of the footnote, "6", should be added in the boxes corresponding to the intersection of rows "I-1," "I-2" and column "Type II-N."

6. One (1) story unlimited area permitted when provided throughout with an approved automatic sprinkler system.

PROPOSED CODE CHANGE

Building Code Change B-6

Section 506(b)

Topic: Unlimited Area

Disposition of Code Change: No revisions. Proposal compatible with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

(b) Unlimited Area. The area of any Type II - Fire Resistive; Type II - one-hour; one-, two-, or three-story Type II -Noncombustible; and one-, two- or three-story Type IV building, except those housing Group H Division 1 or Division 2 occupancies, shall not be limited, if the building is provided with an approved automatic sprinkler system throughout.

When of Type III or Type V construction, the area of any one- or two-story building of Group B and Group H, Division 5 Occupancies shall not be limited, if the building is provided with an approved automatic sprinkler system throughout, as specified in Chapter 38, and entirely surrounded and adjoined by public space, streets or yards not less than 60 feet in width.

The area of a Group B, Division 4 Occupancy in a one-story Type II, Type III one-hour or Type IV building shall not be limited if the building is entirely surrounded and adjoined by public space, streets or yards not less than 60 feet in width.

PROPOSED CODE CHANGE

Building Code Change B-7
Section 506(c)

Topic: Area Increases for
Automatic Sprinklers

Disposition of Code Change: Text revised to correspond with '83 code with the exclusion of atrium buildings from area increase deleted from the '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

(c) Automatic Sprinkler Systems. The area specified in Table No. 5-C and Section 505(b) may be tripled in one-story buildings and doubled in buildings of more than one story if the building is provided with an approved automatic sprinkler system throughout. The area increases permitted in this subsection may be compounded with that specified in paragraphs 1, 2 or 3 of Subsection (a) of this section. The increases permitted in this subsection shall not apply when automatic sprinkler systems are installed under the following provisions: Section 3802(g) for Group H, Divisions 1 and 2 Occupancies.

1. ~~Section 507 for an increase in allowable number of stories.~~
2. ~~Section 3802(b)5 for Group H, Divisions 1 and 2 Occupancies.~~
3. ~~Substitution for one-hour fire-resistive construction pursuant to Section 508.~~
4. ~~Section 1715, Atriums.~~

PROPOSED CODE CHANGE

Building Code Change B-8

Section 507

Topic: Building Height

Disposition of Code Change: Text revised to correspond with '83 code with exclusion of atrium buildings from height increase deleted from '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

Section 507.

- (a) **General.** The maximum height and number of stories of every building shall be dependent upon the character of the occupancy and the type of construction and shall not exceed the limits set forth in Table No. 5-D, except as provided in this section and as specified in Section 503(a) for mixed occupancy buildings.
- (b) **Unlimited Height.** The height of any Type II fire resistive building, except those housing Group H occupancies, shall be unlimited if the building is provided with an approved automatic sprinkler system throughout.
- (c) **Automatic Sprinkler Systems.** The story limits set forth for other types of construction in Table No. 5-D may be increased by one story if the building is provided with an approved automatic sprinkler system throughout. The increase in the number of stories for automatic sprinkler systems shall not apply when the automatic sprinkler systems throughout are installed under the following provisions Section 3802(g) for Group H, Division 1 and 2 Occupancies.
1. ~~Section 3802(b)5 for Group H, Division 1 and 2 Occupancies.~~
 2. ~~Section 506, for an increase in allowable area.~~
 3. ~~Substitution for one-hour fire-resistive construction pursuant to Section 508.~~

EXCEPTIONS: 1. Towers, spires and steeples erected as a part of a building and not used for habitation or storage are limited as to height only by structural design if completely of noncombustible materials, or may extend not to exceed 20 feet above the height limit in Table No. 5-D if of combustible materials.

Building Code Change B-8

Section 507

Topic: Building Height

2. The height of one-story aircraft hangars shall not be limited if the building is provided with automatic sprinkler systems throughout as specified in Chapter 38 and is entirely surrounded by public space, streets or yards not less in width than one and one-half times the height of the building.

4. ~~Section 1715, Atriums.~~

See Chapters 6 to 12 inclusive for special occupancy provisions.

PROPOSED CODE CHANGE

Building Code Change B-9
Section 508
Topic: Fire Resistive
Substitution

Disposition of Code Change: Text revised to correspond with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

Section 508. When one-hour fire-resistive construction throughout is required by this Code, an approved automatic fire extinguishing system, as specified in Chapter 38, may be substituted, provided such system is not otherwise required.

Exception: Such substitution shall not waive nor reduce required fire-resistive construction for:

1. ~~Occupancy separations (Section 503(c)).~~
2. ~~Exterior wall protection due to proximity of property lines (Section 504(b)).~~
3. ~~Area separations (Section 505(e)).~~
4. ~~Shaft enclosures (Section 1706).~~
5. ~~Reserved.~~
6. ~~Stair enclosures (Section 3309).~~
7. ~~Exit passageways (Section 3312(a)).~~
8. ~~Type of construction separation (Section 1701).~~
9. ~~Atriums constructed in accordance with Section 1715.~~

Building Code Change B-9

Section 508

Topic: Fire Resistive
Substitution

Fire Resistive Substitution:

Section 508. In buildings provided throughout with an automatic sprinkler system as specified in Subchapter 38, the automatic sprinkler system may be substituted for fire resistive provisions of the code as specified below.

1. The fire resistive requirements for occupancy separations set forth in Table 5-B may be reduced by one-hour, except when separating a Group B, Division I occupancy or a Group H occupancy.
2. The fire resistance of exterior walls and opening protection, as required by Section 504(b) may be reduced as follows: Four-hour required exterior wall protection may be reduced to two-hour protection. Two-hour exterior wall protection may be reduced to one-hour wall protection. One-hour required wall protection shall not be reduced; however, openings permitted in such walls shall not require protection.
3. When separating other than a Group H occupancy four-hour fire resistive area separation walls specified in Section 505(e) may be reduced to two-hour fire-resistive construction and shall, at the minimum, be subject to the provisions for two-hour area separation walls. This reduction shall also apply for area separation walls as required by Section 1701.
4. The requirements for corridor construction and corridor openings may be reduced as specified in Sections 3305(g) and 3305(h).
5. Where one-hour fire-resistive construction throughout is required by this code, an approved automatic sprinkler system throughout may be substituted, provided the height and area do not exceed the maximum allowable unsprinklered height and area.

EXCEPTION: The provision of automatic sprinkler systems shall not waive nor reduce required fire-resistive construction for:

- a. Shaft enclosures (Section 1706).
- b. Stair enclosures (Section 3309).
- c. Exit passageways (Section 3312(a)).
- d. Structural member supporting shaft enclosures or exit passageways.
- e. Corridor separations of rooms in hospitals which are exempt from protection by an automatic sprinkler system by Section 3802(h), Exception.

PROPOSED CODE CHANGE

Building Code Change B-10
Section 604, 704, 804, 904,
1004 and 1204
Topic: Smokeproof
Enclosures

Disposition of Code Change: Text revised to correspond with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

Delete the references to smokeproof enclosures in the following sections.

Sec. 604. (a) General. Stairs and exits and ~~smokeproof enclosures~~ shall be provided as specified in Chapter 33. (See also Sections 3317 and 3318.)

Sec. 704. Stairs and exits and ~~smokeproof enclosures~~ shall be provided as specified in Chapter 33.

Sec. 804. Stairs and exits and ~~smokeproof enclosures~~ shall be provided as specified in Chapter 33. (See also Section 3319.)

Sec. 904. Stairs and exits and ~~smokeproof enclosures~~ shall be provided as specified in Chapter 33. (See also Section 3320.)

Sec. 1004. Stairs and exits and ~~smokeproof enclosures~~ customarily used by human beings shall be provided as specified in Chapter 33. (See also Section 3321.)

Sec. 1204. Stairs and exists and ~~smokeproof enclosures~~ shall be as specified in Chapter 33.

PROPOSED CODE CHANGE

Building Code Change B-11

Section 702(a)2

Topic: B1 Occupancy Separation in B2 and R1 Buildings

Disposition of Code Change: No revisions. Proposal compatible with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

Other provisions of this code notwithstanding, a Group B, Division 1 Occupancy located in the basement or first story of a building housing a Group B, Division 2 or a Group R, Division 1 Occupancy may be classed as a separate and distinct building for the purpose of area limitation, limitation of number of stories and type of construction, when all of the following conditions are met:

1. ...
2. There is a two-hour occupancy separation in buildings protected throughout by an approved automatic sprinkler system or a three-hour occupancy separation in unsprinklered buildings between the Group B, Division 1 Occupancy and all portions of the Group B, Division 2 or Group R, Division 1 Occupancy.
3. ...
4. ...

PROPOSED CODE CHANGE

Building Code Change B-12
Section 702(b)
Topic: Smoke and Heat Venting

Disposition of Code Change: No revisions. Proposal compatible with '83 code.

Key:

New material is indicated by underlined wording.

~~Dashes through wording~~ indicate existing material to be deleted.

Proposed Change:

~~For smoke and heat venting, see Section 3206.~~

PROPOSED CODE CHANGE

Building Code Change B-13

Section 709, Table No. 7-A

Topic: Open Parking Garages

Disposition of Code Change: Proposed change modified to be consistent with NFPA Standard 88A.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

- (c) **Construction.** Construction shall be of noncombustible materials. Open parking garages shall meet the design requirements of Chapter 23. Adequate curbs and railings shall be provided at every opening. All structural members within an open parking structure contributing to the support of an occupancy above it shall have a fire-resistance rating not less than that required for the occupancy above and its type of construction per Table 17-A.
- (d) ...
- (e) **Area and Height Increases.** The area and height of structures with cross ventilation throughout may be increased in accordance with provisions of this subsection. In structures with sides open (as defined in Subsection (b)) three fourths of the building perimeter may be increased 25 percent in area and one tier in height. Structures with sides open (as defined in Subsection (b)) around the entire building perimeter may be increased 50 percent in area and one tier in height.

Open parking garages constructed to heights less than the maximums established by Table No. 7-A may have individual tier areas exceeding those otherwise permitted, provided the gross tier area of the structure does not exceed that permitted for the higher structure. At least three sides of each such larger tier shall have continuous horizontal openings not less than 30 inches in clear height extending for at least 80 percent of the length of the sides, and no part of such larger tier shall be more than 200 feet horizontally from such an opening. In addition, each such opening shall face a street or yard accessible to a street with a width of at least 30 feet for the full length of the opening, and standpipes shall be provided in each such tier.

Building Code Change B-13
 Section 709, Table No. 7-A
 Topic: Open Parking Garages

Structures of Type II-F.R., Type II One-hour or Type II-N construction, with all sides open, may be unlimited in area when the height does not exceed 75 feet. For a side to be considered open, the total area of openings along the side shall be not less than 50 percent of the exterior of the side at each tier, and such openings shall be equally distributed along the length of the tier. All portions of tiers shall be within 200 feet horizontally from such openings.

TABLE NO. 7-A - OPEN PARKING GARAGES AREA AND HEIGHT

TYPE OF CONSTRUCTION	AREA PER TIER (Square Feet)	HEIGHT RAMP ACCESS	HEIGHT MECHANICAL ACCESS	
			Automatic Fire Extinguishing System	
			No	Yes
I	Unlimited	Unlimited	Unlimited	Unlimited
II - F.R.	125,000 <u>Unlimited</u>	12 Tiers <u>Unlimited</u>	12 Tiers	18 Tiers
II - 1-hour	50,000 <u>Unlimited</u>	10 Tiers <u>Unlimited</u>	10 Tiers	15 Tiers
II-N	30,000 ¹	8 Tiers	8 Tiers	12 Tiers

1. Unlimited area allowed when not more than 75 feet in height, and the horizontal distance on any parking level to an exterior wall opening on a street, alley, courtyard or other similar permanent open space does not exceed 200 feet.

PROPOSED CODE CHANGE

Building Code Change B-14
Section 711

Topic: Covered Mall
Buildings

Disposition of Code Change: Text revised to correspond with '83 code (Dallas Ordinance No. 17791), with technical modification.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

Covered Mall Buildings

Sec. 711: (a) **Purpose.** The purpose of this article is to establish minimum standards of safety for the construction and use of covered mall buildings having not more than three levels.

(b) **Scope.** The provisions of this article shall apply to buildings or structures defined herein as covered mall buildings.

This article does not apply to terminals for transportation facilities and lobbies of hotel, apartment and office buildings.

Covered mall buildings conforming with all other applicable provisions of this code are not required to comply with the provisions of this article.

(c) **Definitions.** For the purpose of this article, certain terms are defined as follows:

ANCHOR STORE is an exterior perimeter department store or major merchandising center having direct access to a mall but having all required exits independent of a mall.

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COVERED MALL BUILDING is a single building enclosing a number of tenants and occupancies such as retail stores, drinking and dining establishments, entertainment and amusement facilities, offices and other similar uses wherein two or more tenants have a main entrance into one or more malls.

GROSS LEASABLE AREA is the total floor area designed for tenant occupancy and exclusive use. The area of tenant occupancy is measured from the center lines of joint partitions to the outside of the tenant walls. All tenant areas, including areas used for storage, shall be included in calculating gross leasable area.

MALL is a roofed or covered common pedestrian area within a covered mall building which serves as access for two or more tenants and may have up to three levels that are open to each other.

- (d) **Applicability of Other Provisions.** Except as specifically required by this article, covered mall buildings shall meet all applicable provisions of this code.

Types of Construction and Required Yards for Unlimited Area

Sec. 712 (a) Type of Construction. ~~One- and two-level malls may be of any type of construction permitted by this code. Three-level malls shall be at least Type II one-hour construction.~~ Covered mall buildings may be of Type I, Type II or Type IV construction. Anchor stores and Parking garages shall be limited in height and area in accordance with Sections 505, 506 and 507.

- (b) **Required Yards for Unlimited Area.** Covered mall building may be of unlimited area, provided the covered mall building, attached anchor stores, parking garages and other attached structures are adjoined by public space, streets or yards not less than 60 feet in width along all exterior walls.

Special Provisions

Sec. 713 (a) Automatic Sprinkler Systems. The covered mall building shall be provided with an automatic sprinkler system conforming to the provisions of the U.B.C. Standard No. 38-1. ~~In addition to these standards, the automatic sprinkler system shall comply with the following:~~

1. ~~All automatic sprinkler system control valves shall be electrically supervised by an approved central, proprietary or remote station or a local alarm service which will give an audible signal at a constantly attended location.~~

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2. The automatic sprinkler system shall be complete and operative throughout all occupied space in the covered mall building prior to occupancy of any of the tenant spaces.
1. The level of protection provided for unoccupied tenant space shall be subject to the approval of the building official and fire department marshal.
2. ~~3.~~ Sprinkler protection for the mall shall be independent from that provided for tenant spaces. However, tenant spaces may be supplied by the same system if they can be independently controlled.

The respective increases for area and height for covered mall buildings, including anchor stores, specified in Section 506 and 507 of this code, shall be permitted.

(b) **Standpipes.** There shall be a Class I standpipe outlet connected to a system sized to deliver 250 gallons per minute at each of the following locations for fire department use:

1. Within the mall at the entrance to an exit passage or exit corridor.
2. At each floor level landing within enclosed stairways opening directly onto the mall and adjacent to principal exterior entrances to the mall.

Standpipes shall be installed in accordance with the requirements of Chapter 38 of this code.

EXCEPTIONS: 1. Risers and laterals of Class I standpipe systems not located within an enclosed stairway need not be protected by a degree of fire resistance equal to that required for vertical enclosures in the covered mall building.

2. Piping may be hydraulically sized.
3. Standpipes are not required to be interconnected if piping is combined with sprinkler system piping.

Standpipes in covered mall buildings exceeding 50,000 square feet shall be charged with water. The source of water may be either by interconnection with the sprinkler system or may be connected with the domestic water supply by a minimum of 1-inch-diameter pipe. ~~The domestic water supply connection shall be provided with an approved backflow device.~~

- (c) **Smoke-control. System.** 1. **Purpose.** The purpose of smoke control is to restrict movement of smoke to the general area of fire origin and to maintain means of egress in a usable condition.

1. 2. **General.** Activation of the sprinkler system or smoke detectors shall activate the smoke-control system. The smoke-control system shall also be capable of manual operation. A smoke detector shall be provided within the return-air portion of heating and cooling systems exceeding 10,000 cfm. The detector shall be installed ahead of any fresh-air intake. Activation of the sprinkler system or smoke detectors shall cause the air supply to the fire area to shut down. Controls allowing the manual restarting of air handling equipment during an alarm condition shall be provided. Smoke detectors shall also be provided on the tenant side at openings into the mall where open-type security grilles are used. The smoke-control system shall be as follows:

- A. The smoke-control equipment for the mall shall be separate from that serving tenant spaces.
- B. The covered mall building shall be compartmented into smoke-control zones. Except for openings between the mall and tenant spaces, smoke-control zones shall be separated from each other by construction having a fire-resistive time period of not less than one hour. Walls between tenant spaces used to separate smoke-control zones shall extend from the floor to the underside of the floor or roof above.
- C. A smoke control zone shall coincide with the area of coverage of a single sprinkler supply. Within that sprinkler zone there may be one or more air-moving systems but no single smoke-control zone shall be larger than the sprinkler area.
- D. When a fire occurs within a tenant sprinkler zone, that zone is to go to 100 percent exhaust and the supply air to that zone is to be shut down. All adjoining tenant areas are to go into normal operation. The mall itself shall go to 100 percent fresh air supply.
- E. When a fire occurs within the mall, the mall smoke-control equipment shall go to 100 percent exhaust and the adjoining tenant spaces shall go into normal operation.

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- F. The mall smoke-control equipment shall be sized to provide a minimum of six air changes per hour for malls 600,000 cubic feet or less in volume and four air changes per hour for malls of greater size. The volume of the mall is measured from the entrance to tenant spaces and to a height of 12 feet above each pedestrian area.
- G. Mall exhaust inlets shall be not less than 6 feet above the walking surface for each pedestrian level.
- H. During those hours when the building air-conditioning systems are not operating, smoke detector or sprinkler systems shall be designed so the activation of either will transmit an alarm as required in Subsection (a), Item No. 1, of this section and shall activate the smoke-control system.

2. 3. **Acceptance testing.** Before the smoke-control system is accepted by the building official, it shall be tested in his presence to confirm that the system is operating in compliance with the requirements of this subsection.

- (d) **Fire Department Access to Equipment.** Rooms or areas containing controls for air-conditioning systems, automatic fire-extinguishing systems or other detection, suppression or control elements shall be identified for use by the fire department.
- (e) **Tenant Separation.** Each tenant space shall be separated from other tenant spaces by a wall having a fire-resistive rating of not less than one hour. The separation wall shall extend from the floor to the underside of the ceiling above. Except as required by other provisions of this code, the ceiling need not be a fire-resistive assembly. A separation is not required between any tenant space and a mall except for occupancy separations required by Section 715. ~~or for smoke-control purposes.~~
- (f) **Public Address System.** Covered mall buildings exceeding 50,000 square feet in total floor area shall be provided with a public address system accessible for use by the fire department. Covered mall buildings, of 50,000 square feet or less in total floor area, when provided with a public address system, shall have such system accessible for use by the fire department.
- (g) **Plastic Panels and Plastic Signs.** Within every story or level and from sidewall to sidewall of each tenant space or mall, approved plastic panels and signs shall be limited as follows:

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1. They shall not exceed 20 percent of the wall area facing the mall;
 2. They shall not exceed a height of 36 inches except that if the sign is vertical then the height shall not exceed 96 inches and the width shall not exceed 36 inches;
 3. They shall be located a minimum distance of 18 inches from adjacent tenants;
 4. All edges and the back shall be fully encased in metal.
- (h) **Lease Plan.** Each covered mall building owner shall provide both the building and fire departments with a lease plan showing the location of each occupancy and its exits after the Certificate of Occupancy has been issued. Such plans shall be kept current. No modifications or changes in occupancy or use shall be made from that shown on the lease plan without prior approval of the building official.
- (i) **Mixed Type of Construction.** Openings between an adjoining sprinklered buildings, including anchor stores of Type I, ~~H-F-R.~~ or ~~H~~ or Type II One-hour construction and the mall need not be protected.
- (j) **Standby Power.** Covered mall buildings exceeding 50,000 square feet shall be provided with standby power systems which are capable of operating the public address system, the exit signs, emergency lighting, the smoke control activation system and the smoke control equipment from four adjacent zones acting simultaneously.

Exits

Sec. 714 (a) General. Each tenant space and the covered mall building shall be provided with exits as required by this section and Chapter 33 of this code. Where there is a conflict between the requirements of Chapter 33 and the requirements of this section, the requirements of this section shall apply.

- (b) **Determination of Occupant Load.** The occupant load permitted in any individual tenant space in a covered mall building shall be determined as required by Section ~~3301(d)~~ 3302(a) of this code. Exit requirements for individual tenant spaces shall be based on the occupant load thus determined.

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The occupant load permitted for the covered mall building, assuming all portions, including individual tenant spaces and the mall to be occupied at the same time, shall be determined by dividing the gross leasable area by 30 for covered mall buildings containing up to 150,000 square feet of gross leasable area, by 40 for covered mall buildings containing between 150,001 and 350,000 square feet of gross leasable area, and by 50 for covered mall buildings containing more than 350,000 square feet of gross leasable area. Exit requirements for the covered mall building shall be based on the occupant load thus determined.

The occupant load of anchor stores opening into the mall shall not be included in determining exit requirements for the mall.

- (c) **Number of Exits.** Whenever the distance of travel to the mall from any location within a tenant space used by persons other than employees exceeds 75 feet or the tenant space exceeds 1,500 square feet, not less than two exits shall be provided.
- (d) **Arrangement of Exits.** Group A, Divisions 1, 2 and 2.1 Occupancies, other than drinking and dining establishments, shall be so located in the covered mall building that their entrance will be immediately adjacent to a principal entrance to the mall and shall have not less than one half of their required exits opening directly to the exterior of the covered mall building.

Required exits for anchor stores shall be provided independently from the mall exit system.

Malls shall not exit through anchor stores. Malls terminating at an anchor store where no other means of exit has been provided shall be considered as a dead-end mall.

- (e) **Distance to Exits.** Within each individual tenant space in a covered mall building the maximum distance of travel from any point to an exterior exit door, horizontal exit, exit passageway, enclosed stairway or entrance to the mall shall not exceed 200 feet.

The maximum distance of travel from any point within a mall to an exterior exit door, horizontal exit, exit passageway or an enclosed stairway shall not exceed 200 feet.

- (f) **Access to Exits.** Exits shall be so arranged that it is possible to go in either direction from any point in a mall to a separate exit, except for dead ends

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not exceeding a length equal to twice the width of the mall measured at the narrowest location within the dead-end portion of the mall.

The minimum width of exit from a mall shall be 66 inches.

When exit passageways are present to provide a secondary exit from a tenant space, doors to the exit passageway shall be automatic closing by smoke detector actuation.

Storage is prohibited in exit passageways which are also used for service to the tenants. Such exit passageways shall be posted with conspicuous signs so stating.

- (g) **Malls.** For the purpose of providing required egress, malls may be considered as corridors but need not comply with the requirements of Section 3305(g) and (h) of this code when the width of mall is as specified in this section.

The minimum width of the mall shall be 20 feet. There shall be a minimum of 10 feet clear width to a height of 8 feet between any projection from a tenant space bordering the mall and the nearest kiosk, vending machine, bench, display or other obstruction to egress. The mall shall be sufficient to accommodate the occupant load immediately tributary thereto.

Malls which do not conform to the requirements of this section shall comply with the requirements of Section 3305(g) and (h) of this code.

- (h) **Security Grilles and Doors.** Horizontal sliding or vertical security grilles or doors which are a part of a required means of egress shall conform to the following:

1. They must remain secured in the full open position during the period of occupancy by the general public.
2. Doors or grilles shall not be brought to the closed position when there are more than 10 persons occupying spaces served by a single exit or 50 persons occupying spaces served by more than one exit.
3. The doors or grilles shall be openable from within without the use of any special knowledge or effort when the space is occupied.

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4. When two or more exits are required, not more than one half of the exits may be equipped with horizontal sliding or vertical rolling grilles or doors.

Occupancy

Sec. 715. (a) General. Covered mall buildings shall be classified as Group B, Division 2 Occupancies and may contain accessory uses consisting of Groups A, E or R, Division 1 Occupancies. The area of individual accessory uses within a covered mall building shall not exceed three times the basic area permitted by Table No. 5-C of this code for the type of construction and the occupancy involved. The aggregate area of all accessory uses within a covered mall building shall not exceed 25 percent of the gross leasable area.

Buildings of other than Group H Occupancy may be attached to the covered mall building provided they are protected throughout by automatic sprinkler protection. Open parking garages meeting the requirements of Section 709 need not be sprinklered.

An attached garage for the storage of passenger vehicles having a capacity of not more than nine persons and open parking garages may be considered as separate buildings when they are separated from the covered mall building by an occupancy separation having a fire-endurance time period of at least two hours.

- (b) **Mixed Occupancy.** Individual tenant spaces within a covered mall building which comprise a distinct "Occupancy," as described in Chapters 5, 6, 7, 8, 11 and 12 of this code, shall be separated from any other occupancy as specified in Section 503(d) of this code.

EXCEPTION: A main entrance which opens onto a mall need have no separation.

PROPOSED CODE CHANGE

Building Code Change B-15

Section 802(c)

Topic: Construction of
Closets in Group E
Occupancies

Disposition of Code Change: Text revised to correspond with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

Storage and janitor closets shall be of one-hour fire-resistive construction, except in buildings provided with an approved automatic sprinkler system. Stages and enclosed platforms shall be constructed in accordance with Chapter 39. For attic space partitions and draft stops, see Section 2516(f).

PROPOSED CODE CHANGE

Building Code Change B-16
Section 901, Table No. 9-A
Topic: Exempt Amounts of
Hazardous Liquids

Disposition of Code Change: No revisions. Proposal compatible with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

Note to Table No. 9-A is changed as follows:

² Quantities may be increased by 100 percent in areas which are not accessible to the public.

In buildings where fully protected by approved automatic fire extinguishing systems are ~~installed~~, the tabular quantities may be increased 100 percent ~~in~~ areas accessible to the public and are permitted for every 24,000 square feet of floor area.

PROPOSED CODE CHANGE

Building Code Change B-17
Section 901(b)

Topic: Vocation Shops, Laboratories, etc., in Educational Buildings

Disposition of Code Change: Text revised to correspond with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

(b) Special Provisions. In buildings used for educational purposes, vocational shops, laboratories and similar areas need not be classified as Group H Occupancies, provided:

1. Such areas are separated from classrooms other than the classroom directly related to the use by not less than a one-hour fire-resistive occupancy separation, or if the building is provided with an approved automatic sprinkler system throughout.
2. Such areas are separated from each other by not less than a one-hour fire-resistive occupancy separation unless the uses are determined to be compatible, or if the building is provided with an approved automatic sprinkler system throughout.
3. The requirements of Sections 908, 910 and the Fire Code shall be met when applicable.

For occupancy separations, see Table No. 5-B and Section 508.

PROPOSED CODE CHANGE

Building Code Change B-18
Section 902(b)
Topic: Smoke and Heat Venting

Disposition of Code Change: No revisions. Proposal compatible with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

~~For smoke and heat venting, see Section 3206.~~

PROPOSED CODE CHANGE

Building Code Change B-19

Section 1204

Topic: Emergency Egress for
Group R Occupancies

Disposition of Code Change: Text revised to correspond with '83 code.

Key:

New material is indicated by underlined wording.

Dashes through wording indicate existing material to be deleted.

Proposed Change:

Every sleeping room below the fourth story shall have at least one operable window or exterior door approved for emergency escape or rescue. The units shall be operable from the inside to provide a full clear opening without the use of separate tools.

EXCEPTION: Emergency escape windows or doors are not required in buildings provided throughout with an approved automatic sprinkler system.

