

CR 83-72

RULES CERTIFICATE

STATE OF WISCONSIN)
) SS
DEPT. OF INDUSTRY,)
LABOR & HUMAN RELATIONS)

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Howard S. Bellman, Secretary of the Department of Industry, Labor and Human Relations, and custodian of the official records of said department, do hereby certify that the annexed rule(s) relating to Chs Ind 50-64 - Bldg & Htg, Vent & A/C Code - Bureau of Buildings and Structures/Local Building Inspectors were duly *(Subject)* approved and adopted by this department on 11/14/83. *(Date)*

I further certify that said copy has been compared by me with the original on file in this department and that the same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the department at 9:00 am in the city of Madison, this 14th day of November A.D. 1983.

Howard S. Bellman
Secretary

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8:15 am
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Bureau

ORDER OF ADOPTION

Pursuant to authority vested in the Department of Industry, Labor and Human Relations by section(s) 101.02(1), 101.02(15)(h)-(j), Stats., the Department of Industry, Labor and Human Relations hereby creates; amends; repeals and recreates; and repeals and adopts rules of Wisconsin Administrative Code chapter(s):

Ind. 50-64 Building & Heating, Ventilating & Air Conditioning Code
(Number) Bureau of Bldgs & Structures/Local Bldg Inspectors
(Title)

The attached rules shall take effect on the first day of the month following
publication in the Wisconsin Administrative Register, pursuant to section
227.026, Stats.

Adopted at Madison, Wisconsin, this 14th
day of November, A.D., 1983.

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS

Howard S. Bellman

Secretary

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RULES in FINAL DRAFT FORM

Rule: Chapters Ind 50-64

Relating to: Building & Heating, Ventilating & Air Conditioning Code -
Bureau of Buildings & Structures/Local Building Inspectors

Clearinghouse Rule No.: 83-72

Administrative rules to repeal ss. Ind 57.11 (1) (d), (e); to renumber ss. Ind 57.11 (1) (f), 59.14 (4); to amend ss. Ind 50.02 Note, 50.12 (4) (a) 1. e., 50.14, 50.22 Note, 51.01 (86) (a), 51.01 (104), 51.01 (120), 51.02 (4) (b) 1. b. Note, 51.02 (11) (a), 51.02 (11) (b) 3., 51.02 (14) (a) 2., 51.02 (20), 51.047 (6) (a), 51.164, 51.22, 51.23 (6), 51.245 (1), 51.245 (2) (a), 51.27 (7a), 52.04 (4) (b), 52.04 (8) (c), 52.04 (8) (h) 1., 53.64 Note, 54.01 (3), 54.06 (1), 54.06 (2), 54.08 (1) (b), 54.12 (1) (a) 1., 54.12 (1) (e) 1., 56.001 Note, 56.06 (6), 56.35, 57.001 (1), 57.01 (4) (b), 57.01 (4) (c), 57.02 (2) (b) 2., 57.10 (2), 57.17 (1) (b), 58.01 (1) (a), 58.02 (4), 58.04 (3) (a) 1., 58.10 (2), 58.13 (2) (a), 58.21 (1), 58.21 (2) (intro.), 58.21 (2) (c), 58.22, 58.24 (1), 58.24 (2), Table 58.24-B, 58.25 (1) (intro.), 58.27 (3) (a), 58.29 (2) (a), 58.41 (4), 58.42 (1), 58.44 (3), 58.50, 58.59 (1) (b), 58.60 (1), 58.60 (2) (intro.), 58.61, 58.62, 58.65 (1), 58.67 (4) (b), 58.69 (2), 59.10 (2) (a), 59.21 (intro.), 59.21 (2) (a), Table 59.22, 60.001 (4), 60.13 (1), 60.21 (1), 60.23 (3), 60.31 (6), 60.38 (1), 62.29 (2), 63.20 (1) (b), 63.33 (2), 64.09 (1) (d); to repeal and recreate ss. Ind Table 51.044, 51.15 (1) Note, Table 52.04 and Footnotes, 52.04 (3), 52.04 (6) (c), 52.04 (7), 52.04 (9), 55.11, 57.11 (1) (c), 58.01 (2), 58.06 (1) (a), 58.20, Table 58.24-A, 58.26 (2), Table 58.62; to create ss. Ind 50.14 Note #2, 50.27, 51.01 (102a) (b) Note, 51.02 (13) (c), 51.03 (5) (h), 51.15 (3) (c), 52.04 (2) (b) Note, 52.04 (10), 52.041 (1) (c), 54.02 (4) (c) Note, 57.01 (4) (d), 57.015, Table 57.02 "Title", 58.11 (4), 58.27 (3) (b), 58.53 (4), 58.575, 58.635, 59.14 (4), 60.105, A52.04 (3) (a), A52.04 (3) (b), A57.02 (2) (b), relating to miscellaneous provisions of the Building and Heating, Ventilating and Air Conditioning Code.

* * * * *

ANALYSIS OF RULES

The proposed code changes are based upon suggestions submitted by state enforcement and inspection staff and local building and fire inspectors. The following is a summary of the major changes included in the proposal:

- 1) Saving and severable clause added;
- 2) Definitions updated and clarified;
- 3) Sheltered facilities for battered women and day care centers to be located in existing buildings are exempted from current first floor height above grade limitations;
- 4) Intent and application of rules for barrier-free design updated. Specific percentages for barrier-free applications are reduced. New ramp and site requirements based upon state statute and DOT rules are added;
- 5) Health care/places of detention rules are updated to clarify intent and to be consistent with administrative rules of DH&SS and federal certification requirements;

- 6) New emergency lighting and fire extinguisher requirements for places of detention are added;
- 7) Day care center rules pertaining to garage separations, open stairways, windows and age classifications are updated;
- 8) Window requirements for habitable rooms below grade are added;
- 9) Exit door and exit sign rules are updated;
- 10) Terminology and format of rules for fire-resistive door assemblies are corrected and made more uniform;
- 11) New approved testing laboratories are added;
- 12) New certified cities are added;
- 13) Adopted standards are updated to the most current editions and internal references are corrected;
- 14) Cross-references are updated and corrected;
- 15) Punctuation, spelling and format are corrected; and
- 16) Various miscellaneous changes are included.

The proposed changes were developed in conjunction with the Building Code Advisory Review Board. The following is a listing of the members of the Review Board:

Building Code Advisory Review Board

- Sharyl Bisgard, League of Women Voters
- Ronald W. Chiapete, Wisconsin State Fire Chiefs Association
- Victor Halloran, Wisconsin Society of Architects/AIA
- Lee C. Jensen, City of Milwaukee
- James E. Knothe, Wisconsin Society of Professional Engineers
- Marshall Kuhnly, Wisconsin State AFL-CIO
- Michael G. Laskis, State Bar of Wisconsin
- Thomas Lorenz, Master Builders Association of Wisconsin, Inc.
- George J. Mark, Wisconsin Builders Association
- Donald Roth, League of Wisconsin Municipalities
- David J. Schield, Wisconsin Association of Manufacturers and Commerce
- Stephen D. Schlough, Wisconsin Department of Health and Social Services
- Richard C. Schumacher, Wisconsin Chapter, Associated General Contractors of America, Inc.
- William Shea, Building Owners and Manufacturers Association/Income Property Owners Association
- Jahn Tinglum, Wisconsin Department of Public Instruction
- Fred Wegener, Wisconsin Department of Administration, Division of State Facilities Management
- Larry J. Wills, Wisconsin Chapter, Society of Fire Protection Engineers

Pursuant to the authority vested in the state of Wisconsin's Department of Industry, Labor and Human Relations by ss. 101.02 (1) and 101.02 (15) (h) to (j), Stats., the department hereby repeals, renumbers, amends, repeals and recreates and creates rules interpreting ss. 101.02 (15) (h) to (j), Stats., as follows:

SECTION 1. Ind 50.02 Note is amended to read:

Ind 50.02 Note: For a definition of "public building" and "places of employment", see ss. Ind 51.01 (~~102a~~) (102b) and 51.01 (104a) or s. 101.01 (1), Stats.

SECTION 2. Ind 50.12 (4) (a) 1. e. is amended to read:

Ind 50.12 (4) (a) 1. e. Outside ~~configuration~~ configuration of components; and

SECTION 3. Ind 50.14 is amended to read:

Ind 50.14 PERMISSION TO START CONSTRUCTION. Upon submission of the plans approval application form, 4 complete sets of building plans and one copy of specifications, a written request by the owner to start construction, and a fee, the department may issue a permit permission to start construction ~~of form for~~ for the footings and foundations. The holders of the permit permission form shall proceed at their own risk without assurance that a conditional approval for the building will be granted.

Note: A permit permission to start construction form (form SB-198) is illustrated in the Appendix.

SECTION 4. Ind 50.14 Note #2 is created to read:

Ind 50.14 Note #2: Section 66.036, Stats., prohibits issuance of building permits by counties, cities, towns or villages for structures requiring connection to a private domestic sewerage treatment and disposal system unless the system satisfies all applicable requirements and all necessary permits for such system have been obtained.

SECTION 5. Ind 50.22 Note is amended to read:

Ind 50.22 Note: The following cities have been certified by the department:

Appleton	Muskego
Beloit	New Berlin
Brookfield	Oshkosh
Cudahy	Racine
Eau Claire	Sheboygan
Fond du Lac	Stevens Point
Glendale	Sun Prairie
Green Bay	Superior
Greenfield	Two Rivers
Janesville	Watertown
Kaukauna	Waukesha
Kenosha	Wausau
La Crosse	Wauwatosa
Madison	West Allis
Manitowoc	West Bend
Marshfield	Wisconsin Rapids
<u>Middleton</u>	

SECTION 6. Ind 50.27 is created to read:

Ind 50.27 SAVING AND SEVERABLE CLAUSES. If, for any reason, any one or more sections, sentences, clauses or parts of chs. Ind 50 to 64 are held invalid, such invalidity shall not affect, impair or invalidate the remaining provisions.

SECTION 7. Ind 51.01 (86) (a) is amended to read:

Ind 51.01 (86) (a) Materials which pass the test procedure of ASTM E-136 for defining noncombustibility of elementary materials when exposed to a furnace temperature of 1,382° F. for a minimum period of 5 minutes, and do not cause a temperature rise of the surface or interior thermocouples in excess of 54°F above the furnace air temperature at the beginning of the test and which do not flame after an exposure of 30 seconds.

SECTION 8. Ind 51.01 (102a) (b) Note is created to read:

Ind 51.01 (102a) (b) Note: Examples of places of abode include but are not limited to apartment buildings, garden apartments, row houses, town houses, condominiums, hotels, motels, rooming houses, dormitories, convents, monasteries, homes for the aged and certain community-based residential facilities.

SECTION 9. Ind 51.01 (104) is amended to read:

Ind 51.01 (104) PROPERTY LINE. A legally established line dividing one lot, plot of land or parcel of land ~~under one ownership~~ from an adjoining lot or plot of land or parcel of land ~~under another ownership~~.

SECTION 10. Ind 51.01 (120) is amended to read:

Ind 51.01 (120) "Space heater" means a fuel-fired, vented, self-contained free-standing or wall recessed heating appliance.

SECTION 11. Ind 51.02 (4) (b) 1. b. Note is amended to read:

Ind 51.02 (4) (b) 1. b. Note: Buildings utilizing wood foundations in accordance with the provisions outlined in s. Ind 53.64 will be limited to ~~2~~ 3 levels ~~(one-story including 2-story and basement, one-story 2-story and ground floor, or 2-story 3-story with treated wood frost wall and no crawl space or basement.)~~→

SECTION 12. Ind 51.02 (11) (a) is amended to read:

Ind 51.02 (11) (a) Except as specified in ss. Ind 54.08 and , 55.09, 57.08 and in par. (b), stairways, elevator shafts and other vertical openings, which serve 2 or more floor levels, shall be enclosed with fire-resistive rated construction equal to or better than the hourly ratings specified in Table 51.03-A. Stairways serving as required means of egress shall comply with the requirements specified in s. Ind 51.18.

SECTION 13. Ind 51.02 (11) (b) 3. is amended to read:

Ind 51.02 (11) (b) 3. Serving 2 floor levels and the opening is not a required means of egress provided the opening is separated from any exit corridor or exit stairway ~~servicing other floors~~ by fire-resistive rated construction having at least the hourly rating specified for fire-rated enclosures as specified in line 20 of Table 51.03-A; or

SECTION 14. Ind 51.02 (13) (c) is created to read:

Ind 51.02 (13) (c) 1. All openings in fire division walls shall be protected by fire-resistive door assemblies as specified in s. Ind 51.047.

2. The total width of all openings in any fire division wall in any one story shall not exceed 25% of the length of the wall in that story and no single opening shall have an area greater than 120 square feet.

SECTION 15. Ind 51.02 (14) (a) 2. is amended to read:

Ind 51.02 (14) (a) 2. a. Except as provided in subpar. b., the elevation of the first floor and the sills of all required exit discharges from the first floor shall be at or not more than 3 feet above an exit discharge grade.

b. Existing buildings to be licensed as child day care centers or to be converted to sheltered facilities for battered women shall comply with the requirements specified in ss. Ind 57.015 and 60.105.

SECTION 16. Ind 51.02 (20) is amended to read:

Ind 51.02 (20) CLASS OF CONSTRUCTION SEPARATION. (a) Except as provided in par. (b) and s. Ind 62.93, portions of buildings of different classes of construction, as specified in s. Ind 51.03, shall be separated by fire division walls as specified in s. Ind 51.02 (13) or the building classification will be reduced to the lowest class of construction utilized.

(b) Portions of health care facilities of different classes of construction, as specified in s. Ind 51.03, shall be separated by 2-hour rated fire resistive construction as specified in s. Ind 51.04 to 51.049 or the building classification shall be reduced to the lowest class of construction utilized.

SECTION 17. Ind 51.03 (5) (h) is created to read:

Ind 51.03 (5) (h) The portion of exterior wall above the bearing points of the roof structural framing system and enclosing non-occupied space shall be considered part of the roof construction and shall comply with the requirements of Table 51.03-A for roof framing.

SECTION 18. Table 51.044 is repealed and recreated to read:

TABLE 51.044

Name of Recognized Laboratories	ASTM Standard Tests						
	E-84	E-108	E-119	E-136	E-152	E-163	E-648
Applied Research Lab. of Florida, Inc., Miami, FL	X	X	X	X	X	X	X
Commercial Testing Co. Inc., Dalton, GA	X	-	-	-	-	-	-
Factory Mutual Research, Norwood, MS	X	-	X	-	X	-	-
Forest Prod. Lab., Madison, WI*	-	-	X	-	X	-	-
Hardwood Plywood Mfgrs. Assoc., Reston, VA	X	-	-	X	-	-	X
Nat'l. Bureau of St'd., Washington, DC	-	-	X	X	-	-	-
Ohio State Univ., Columbus, OH	-	-	X	X	X	X	-
Portland Cement Assoc., Skokie, IL	-	-	X	-	-	-	-
Product Fabrication Service [PFS] Madison, WI	X	-	X	-	X	-	-
Southwest Research Inst., San Antonio, TX	X	-	-	-	-	-	-
Underwriters Lab., Inc., Northbrook, IL	X	X	X	X	X	X	X
Underwriters' Lab. of Canada, Scarborough, Ont., Canada	X	X	X	X	X	X	-
Univ. of Calif., Berkeley, CA	-	X	X	-	-	X	-
U.S. Testing Co., Hoboken, NJ	X	X	-	X	-	-	X
U.S. Testing Co., Los Angeles, CA	X	-	-	X	-	-	X
Warnock Hersey Intl-Inc., Antioch, CA	X	-	X	-	X	X	-

*Reference based on research and development data. Facility is not available for conducting routine rating tests.

Note #1: See ss. Ind 51.25 (47)-(50), (52)-(53) and (55) for test information and specific standards adopted.

Note #2: Other testing laboratories may be recognized as approved agencies if accepted in writing by the department.

SECTION 19. Ind 51.047 (6) (a) is amended to read:

Ind 51.047 (6) (a) All doors serving smokeproof towers ~~and or~~ interior enclosed stairways shall be equipped with a self-closing device or an automatic closing device actuated by products of combustion ~~or smoke density~~ other than heat.

~~Note: The department will accept detectors installed in accordance with the Standard on Automatic Fire Detectors, NFPA No. 72 E [Ind 51.27 (7a)].~~

SECTION 20. Ind 51.15 (1) Note is repealed and recreated to read:

Ind 51.15 (1) Note: See ss. Ind 54.06, 55.10, 56.08, 57.06, 58.04, 58.49, 59.14, 60.12, 61.12, 62.26, 62.47 and 62.75 for requirements regarding required exits.

SECTION 21. Ind 51.15 (3) (c) is created to read:

Ind 51.15 (3) (c) The latch or other approved fastening device on the door shall be of an obvious method in its release and shall be so located on the exit door that the device is not less than 32 inches or more than 40 inches above the floor level.

SECTION 22. Ind 51.164 is amended to read:

Ind 51.164 HEADROOM. (1) GENERAL. Except as provided in sub. (2), every means of egress shall be provided with a headroom clearance of not less than 6 feet 8 inches. In stairways, the clearance shall be 7 feet 0 inches established by measuring vertically from the edge of the tread nosing to the ceiling or soffit above the tread nosing.

~~(a)~~ (2) EXCEPTION. The headroom clearance for public stairways in apartments, row houses and townhouses may be reduced to not less than 6 feet 8 inches.

Note: Also see s. Ind 57.07 (3) for requirements pertaining to stairways within individual living units.

SECTION 23. Ind 51.22 is amended to read:

Ind 51.22* FIRE EXTINGUISHERS. (1) GENERAL. All required fire extinguishers shall be approved by the department, and shall comply with the provisions of NFPA No. ~~40-1978~~ 10-1981 - Standard for Portable Fire Extinguishers.

(2) INSTALLATION. Fire extinguishers as specified in chs. Ind 54-62 shall be installed as specified in NFPA No. ~~40-1978~~ 10-1981 - Standard for Portable Fire Extinguishers.

(3) MAINTENANCE. All portable fire extinguishers, whether required by chs. Ind 54-62 or not, shall be maintained in operable condition as specified in NFPA No. ~~40-1978~~ 10-1981 - Standard for Portable Fire Extinguishers.

SECTION 24. Ind 51.23 (6) is amended to read:

Ind 51.23 (6) MAINTENANCE. (a) All installed automatic sprinkler systems, whether required by this code or not, shall be properly maintained for efficient service pursuant to NFPA No. 13A-1981 - Standard for the Care and Maintenance of Sprinkler Systems. Owners or operators shall be responsible for the condition of their sprinkler system and shall use due diligence in keeping the system in good operating condition. A copy of the inspection report as specified in NFPA No. 13A-1981 shall be kept and shall be made available, upon request, to the department or its authorized deputies.

(b) The requirements of par. (a) shall apply to all buildings in existence on the effective date of this section and to those buildings constructed thereafter.

Note: See ss. ILHR 81.10 (6) and ILHR 81.11 (9) and s. 145.165, Stats., for additional requirements pertaining to maintenance and repair or automatic fire sprinkler systems.

SECTION 25. Ind 51.245 (1) is amended to read:

Ind 51.245 (1) GENERAL REQUIREMENTS. All required smoke detectors shall be approved by the department and shall comply with the provisions of NFPA No. ~~72E-1978~~ 72E-1982 - Standard on Automatic Fire Detectors or NFPA No. 74-1980 - Household Fire Warning Equipment.

SECTION 26. Ind 51.245 (2) (a) is amended to read:

Ind 51.245 (2) (a) Smoke detectors and smoke detector systems shall be installed in accordance with the provisions of NFPA No. ~~72E-1978~~ 72E-1982 - Standard on Automatic Fire Detectors or NFPA No. 74-1980 - Household Fire Warning Equipment and in accordance with the manufacturer's directions and specifications.

SECTION 27. Ind 51.27 (7a) is amended to read:

Ind 51.27 (7a) National Fire Protection Association, Batterymarch Park, Quincy, Mass. 02269; STANDARD FOR PORTABLE FIRE EXTINGUISHERS, NFPA No. ~~40-1978~~ 10-1981; STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, NFPA No. 13-1980; STANDARD FOR THE CARE AND MAINTENANCE OF SPRINKLER SYSTEMS, NFPA No. 13A-1981; STANDARD FOR THE INSTALLATION OF CENTRIFUGAL FIRE PUMPS, NFPA No. 20-1980; STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION, NFPA No. ~~22-1978~~ 22-1981; STANDARD FOR OUTSIDE PROTECTION, NFPA No. ~~24-1977~~ 24-1981; STANDARD FOR THE INSTALLATION OF OIL-BURNING EQUIPMENT, NFPA No. 31-1978; NATIONAL FUEL GAS CODE, NFPA No. ~~54-1974~~ 54-1980; STANDARD FOR CENTRAL STATION PROTECTIVE SIGNALING SYSTEMS, NFPA No. ~~71-1977~~ 71-1982; STANDARD FOR THE INSTALLATION, MAINTENANCE AND USE OF LOCAL PROTECTIVE SIGNALING SYSTEMS FOR GUARD'S TOUR, FIRE ALARM AND SUPERVISORY SERVICE, NFPA No. 72A-1979; STANDARD FOR AUXILIARY PROTECTIVE SIGNALING SYSTEMS, NFPA No. 72B-1979; STANDARD FOR REMOTE STATION PROTECTIVE SIGNALING SYSTEMS, NFPA No. ~~72C-1975~~ 72C-1982; STANDARD FOR PROPRIETARY PROTECTIVE SIGNALING SYSTEMS, NFPA No. 72D-1979; STANDARD ON AUTOMATIC FIRE DETECTORS, NFPA No. ~~72E-1978~~ 72E-1982; STANDARD FOR HOUSEHOLD FIRE WARNING EQUIPMENT, NFPA No. 74-1980; MANUAL ON CLEARANCES FOR HEAT PRODUCING APPLIANCES, NFPA No. 89M-1976; STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS, NFPA No. 90A-1981; STANDARD FOR CHIMNEYS, FIREPLACES AND VENTS, NFPA No. 211-1980.

SECTION 28. TABLE 52.04 and footnotes are repealed and recreated to read:

TABLE 52.04

REQUIREMENTS FOR NEW CONSTRUCTION

Occupancy and Type of Construction	Access to Primary Floor	Interior Circulation	Toilet Facilities
I. All public buildings and places of employment not listed in categories II-XII	Yes	Yes ¹	Yes
II. Government-owned buildings except those occupancies listed under V and IX D	Yes	Yes	Yes
III. Factories, office and mercantile buildings, and shopping malls . . .	Yes	Yes ^{1,2,3}	Yes ^{4,5}
IV. Theaters and assembly halls			
A. Churches (chs. Ind 54 and 55) . .	Yes ⁶	Yes ^{1,7}	Yes ⁸
B. Auditoriums, theaters, stadiums and permanent bleachers	Yes	Yes ^{1,7}	Yes
C. Night clubs, bars, restaurants (chs. Ind 54 and 55)	Yes	Yes ¹	Yes
D. Recreational facilities (chs. Ind 54 and 55)	Yes	Yes ^{1,9}	Yes
V. Schools and other places of instruction	Yes	Yes ^{1,10}	Yes
VI. Libraries, museums and art galleries	Yes	Yes ¹	Yes
VII. Places of abode			
A. Residential living units with individual exterior entrances . .	Yes ¹¹	Yes ¹²	Yes ¹³
B. All other residential living units (apartment-type buildings)	Yes ¹⁴	Yes ¹⁵	Yes ¹³
C. Hotels and motels	Yes	Yes ^{10,16}	Yes ¹⁷
D. Condominiums	Yes ¹⁸	Yes ¹⁹	Yes ¹³

TABLE 52.04 (CONTINUED)

REQUIREMENTS FOR NEW CONSTRUCTION

Occupancy and Type of Construction	Access to Primary Floor	Interior Circulation	Toilet Facilities
VIII. Day care centers	Yes ²⁰	Yes ^{1,20}	Yes ²⁰
IX. Health care facilities			
A. Hospitals	Yes ²¹	Yes ²¹	Yes ²¹
B. Nursing Homes	Yes ²¹	Yes ²¹	Yes ²¹
C. Community-based residential facilities	Yes ²²	Yes ²²	Yes ²²
D. Dental and medical clinics and offices	Yes	Yes ^{1,23}	Yes
X. Places of detention	Yes	Yes ^{1,24}	Yes
XI. Garage occupancies	Yes	Yes ¹	Yes
XII. Specialty occupancies			
A. Open parking structures	Yes ²⁵	Yes ²⁵	Yes ²⁵
XIII. Mechanical equipment rooms, maintenance equipment and other storage rooms, janitor closets, storage warehouses, saw and feed mills, motion picture booths, portable bleachers, steel mills, steel fabricating plants, slaughter houses, storage and truck docks and shipbuilding facilities and similar occupancies determined by the department	No	No	No

Note: Floors used entirely for storage or mechanical purposes need not be included in determining the total gross area.

Footnotes of Table 52.04

¹ (a) All buildings. Access is not required to a mezzanine if duplicate facilities to those provided on the mezzanine are located on an accessible floor. Access is required to employe facilities, including but not limited to lunch rooms, change rooms and locker rooms, required by s. Ind 54.13.

(b) Buildings having an area 20,000 square feet or less. If the total gross area of the building including all floors, is 20,000 square feet or less, interior circulation is required to a primary floor and throughout at least 2/3 of that floor area. Access is required to any raised or depressed area of the primary floor containing the only facility of its kind.

(c) Buildings having an area greater than 20,000 square feet. If the total gross area of the building, including all floors, is greater than 20,000 square feet, interior circulation is required to all floors and to at least 2/3 of the total area of each floor. Access is required to any floor level containing the only facility of its kind.

² (a) Each tenant space shall be considered a separate building for determining requirements for interior circulation within each tenant space.

(b) When more than 50% of the tenant spaces are remodelled in an existing shopping mall, all public use areas shall be made accessible in accordance with s. Ind 52.04 (3), (4) and (9).

³ In retail establishments providing fitting rooms, at least one fitting room shall be accessible.

⁴ If the required toilet facilities are not accessible in buildings accommodating 15 or less employes and 25 or less patrons, one additional accessible toilet room for both sexes shall be provided. That toilet facility shall be located on an accessible floor and shall contain one lavatory and one water closet. A privacy lock for the door shall be provided.

⁵ In enclosed shopping malls, toilet facilities provided within a tenant space less than 750 square feet are not required to be accessible, providing accessible public toilet facilities are provided in the mall.

⁶ If remodeling or adding, or both, involves an entrance or exit and constitutes less than 25% of the total square footage, access is not required to a primary floor.

⁷ Seating spaces, at the rate of 2% of the total capacity with a maximum of 50 seats shall be integrated throughout the seating plan. The accessible seating spaces shall be located on level grade. Ramp details [s. Ind 52.04 (7)] do not apply to the aisles in theater auditoriums.

8 In remodeled churches, a separate accessible toilet room for use by both sexes is acceptable if the toilet room is located on an accessible floor, contains one lavatory and one water closet, and is provided with a privacy lock.

9 In buildings containing recreational facilities, access shall be provided to 10% of the individual game areas including bowling alleys, tennis courts and similar areas, with a minimum of one individual game area. Access shall be provided to toilets, lounge areas, bar and dining areas and to the only facility of its kind. Access is not required to saunas, racquet ball courts, handball courts and locker rooms associated with these areas.

10 Interior circulation shall be provided to any level containing the only facility of its kind.

11 Access shall be provided to at least 10% of the living units, with a minimum of one living unit. In a complex of buildings, the accessible units shall be integrated throughout at least 50% of the buildings in the complex.

12 Doors and corridors shall be designed for access and shall comply with s. Ind 52.04 (9). Doors to walk-in closets shall be a minimum of 32 inches in width.

13 Grab bars, special lavatories, water closets, mirrors, or special bathing facilities are not required.

14 Access shall be provided to a primary floor with living units. In a complex of buildings, access shall be provided to at least 50% of the buildings in the complex.

15 All doors and corridors within all living units located on the accessible floor shall be designed for access and shall comply with s. Ind 52.04 (9). Doors to walk-in closets shall be a minimum of 32 inches in width. If laundry, storage, trash facilities, or similar areas, are provided in buildings with more than 20 living units per building, the laundry or storage facilities, or both, shall be accessible.

16 (a) Accessible sleeping units shall be provided at a rate of 10% of the total number of units, with a minimum of one. All doors and corridors throughout the accessible sleeping unit shall be designed for access and shall comply with s. Ind 52.04 (9). Doors to walk-in closets shall be a minimum of 32 inches in width. In a complex of buildings with sleeping units, access shall be provided to at least 50% of the buildings in the complex.

(b) Access is required to all public use areas of the building or complex.

17 Accessible bathtubs or showers shall be provided and shall comply with s. Ind 52.04 (8) (h). Self-rising toilet seats and sliding-door tub enclosures are prohibited.

18 Condominiums, 2 stories or less in height, are exempt from the accessibility requirements relating to parking spaces, ramps and grade-level entrances.

19 All doors and corridors shall be designed for access and shall comply with s. Ind 52.04 (9). Doors to walk-in closets shall be a minimum of 32 inches in width.

20 Access, interior circulation, and toilet facilities do not apply to a change of use.

21 See ss. Ind 52.041 and 52.042 for additional requirements on accessibility.

22 For community-based residential facilities within the scope of ch. Ind 61, see s. Ind 61.18 for additional requirements; for community-based residential facilities within the scope of ch. Ind 57, common-use areas and 10% of the sleeping rooms shall be accessible.

23 If the total gross area of the building including all floors, is less than 20,000 square feet, interior circulation is required to all one-of-a-kind medical and dental facilities, or both, used by the patients. All one-of-a-kind facilities provided for the employes shall be located on an accessible floor.

24 (a) In penal institutions, 2% of the total number of required institutional living units shall be accessible. Vertical transportation between tiers of cells is not required.

(b) Access is required to all areas identified for use by the general public.

25 See s. Ind 62.34 for additional requirements.

SECTION 29. Ind 52.04 (2) (b) Note is created to read:

Ind 52.04 (2) (b) Note: If more than one floor meets the definition of a primary floor, and access is required only to one primary floor, the owner may designate which primary floor will be provided with accessibility.

SECTION 30. Ind 52.04 (3) is repealed and recreated to read:

Ind 52.04 (3) SITE REQUIREMENTS. A means of access shall be provided from an ancillary parking facility, street or alley to the public entrance.

Note: Section 66.616, Stats., requires curb ramps for persons with physical disabilities at intersection crosswalks on any city or village street, connecting street, or town road provided with curbs and sidewalks.

(a) Parking spaces. Where parking spaces are provided, accessible parking spaces, at least 12 feet wide, shall be provided and designated as specified in Table 52.04-A.

TABLE 52.04-A

ACCESSIBLE PARKING SPACES

TOTAL PARKING SPACES	REQUIRED NUMBER OF ACCESSIBLE SPACES
1 - 1,000	2% of total number of spaces with a minimum of one
Over 1,000	20 plus 1% for total number of spaces over 1,000

1. 'Identification'. Exterior signs as specified in s. TRANS 200.07, Wis. Adm. Code, shall identify all accessible parking spaces and shall direct persons from the accessible parking space to the accessible entrance.

Note: See Appendix A for a reprint of s. TRANS 200.07, Wis. Adm. Code.

2. 'Location'. All accessible parking spaces shall be located as close as possible to an accessible entrance. Parking spaces in a parking ramp shall be located as close as possible to the main entrance of the parking ramp, to an adjacent accessible public walk, or to an accessible elevator.

(b) Curb ramps. 1. Where accessible walks cross driveways, parking facilities, streets or alleys, curb ramps shall be used to provide a means of access.

2. The design and construction of curb ramps shall comply with the provisions of s. 66.616 (3) (a), Stats.

Note: See Appendix A for a reprint of s. 66.616 (3) (a), Stats.

3. Handrails shall not be required for curb ramps which overcome a difference in elevation of 8 inches or less.

4. Curb ramps shall be located to provide the shortest line of travel from the accessible parking space to the accessible public entrance.

(c) Exterior walks. Exterior walks are prepared surface, exterior pathways leading to or from a building and are on the same level as the adjacent ground. Exterior walks leading to accessible entrances shall comply with the following criteria:

1. 'Width'. Exterior walks shall have a slip-resistant surface and shall be at least 48 inches wide;

2. 'Gradients'. Exterior walks shall have a gradient no more than 5% or 1:20;

3. 'Handrails'. Handrails are not required at exterior walks, except on those sides where the adjacent terrain exceeds a 25% (1:4) downward slope away from the walk. Required handrails shall be at least 2 feet 8 inches high, with an intermediate parallel rail at mid-height; and

4. 'Rest Platforms'. Rest platforms are not required at walks.

(d) Exterior ramps. Exterior ramps are sloping walks or sloping structures having a gradient greater than 5% (1:20) and which provide access to or from a building. Exterior ramps shall comply with the following criteria:

1. 'Width'. Exterior ramps shall have a slip-resistant surface and shall be at least 48 inches wide;

2. 'Gradients'. Exterior ramps shall not have gradients greater than 8.33% or 1:12 slope;

3. 'Handrails'. Handrails, mounted 2 feet 8 inches high with an intermediate parallel rail at mid-height, shall be provided in accordance with the following:

a. Ramps with a gradient greater than 5% (1:20), but less than 8.33% (1:12) shall have a handrail on one side of the ramp;

b. Ramps with a gradient of 8.33% (1:12) shall have handrails on each side of the ramp; and

c. Handrails shall be provided on those sides where the adjacent terrain exceeds a 25% (1:4) downward slope away from the ramp.

4. 'Clearance'. a. Where exterior ramps are provided to accessible doorways, the floor on each side of the doorway shall be level for a distance of 5 feet from the door.

b. Exterior ramps shall have a level platform at least 5 feet long where they turn and at least 5 feet of level clearance at the bottom of the ramp.

5. 'Rest Platforms'. All exterior ramps longer than 30 feet in length shall have 5-foot long level platforms at a maximum of 30-foot intervals.

(e) Communication between buildings. Walks or enclosed passageways which connect 2 or more buildings and are intended for public use shall provide access to each building.

SECTION 31. Ind 52.04 (4) (b) is amended to read:

Ind 52.04 (4) (b)* Interior circulation. Access shall be provided to all public-use areas of the building, ~~both horizontally and vertically~~ as specified in Table 52.04. Interior circulation between floor levels shall be accomplished by the use of ramps, elevators, lifts, or other means of access approved by the department.

Note: Where elevators are provided, ~~the department recommends that elevator control buttons and emergency call systems be located at a height from 35 inches to 48 inches from the floor.~~ The elevator call buttons in the lobbies should be placed at a height of 42 inches from the floor. See ch. Ind 4 4.61, Elevator Code, Wis. Adm. Code, for additional requirements. See Appendix for reprint of s. Ind 4.61.

SECTION 32. Ind 52.04 (6) (c) is repealed and recreated to read:

Ind 52.04 (6) (c) Less than 25% remodeled or added. If less than 25% of the gross interior area of a building is remodeled, added to or both, the requirements of Table 52.04 and sub. (4) need not be provided unless the remodeling or addition involves an entrance or exit or toilet facilities in which case the entrance or exit or toilet facility shall comply with s. Ind 52.04 (4). Additions, larger than 20,000 square feet gross area, shall comply with Table 52.04 and subs. (3), (4) and (9) regardless of the percent of floor area of the entire building.

SECTION 33. Ind 52.04 (7) is repealed and recreated to read:

Ind 52.04 (7) INTERIOR RAMPS. Interior ramps are sloped floor surfaces that connect different floor levels. Interior ramps shall comply with the following criteria:

(a) Width. Interior ramps shall have a slip-resistant surface and shall be at least 36 inches in width.

(b) Slope. 1. 'New construction'. In new buildings, interior ramps shall not have a slope greater than one foot of rise in 12 feet of run.

2. 'Existing construction'. In existing buildings, interior ramps with a slope of one foot of rise in 8 feet of run may be used to overcome a total height not greater than 2 feet when the floor area does not permit a 1:12 ramp.

(c) Handrails. Handrails, mounted 2 feet 8 inches high with an intermediate parallel rail at mid-height, shall be provided in accordance with the following:

1. Interior ramps with a gradient greater than 5% (1:20), but less than 8.33% (1:12) shall have a handrail on one side of the interior ramp;

2. Interior ramps with a gradient of 8.33% (1:12) or greater shall have handrails on each side of the ramp; and

3. Handrails are not required on interior ramps where the gradient is less than 5% (1:20).

(d) Clearance. 1. Where interior ramps are provided to accessible doorways, the floor on each side of the doorway shall be level for a distance of 5 feet from the door.

2. Interior ramps shall have a level platform at least 5 feet long where the ramps turn and at least 5 feet of level clearance at the bottom of the ramp.

(e) Rest platforms. 1. Interior ramps with a gradient greater than 5% (1:20) shall have a 5-foot long level platform at a maximum of 30-foot intervals.

2. Rest platforms are not required on interior ramps where the slope is less than one foot of rise in 20 feet of run.

SECTION 34. Ind 52.04 (8) (c) is amended to read:

Ind 52.04 (8) (c) Water closet compartments. Accessible water closet compartments shall be designed in accordance with the minimum design standards as established in Table ~~52.04-A~~ 52.04-B, or as approved by the department. Sufficient clearance must be maintained to permit the door to the toilet room compartment to open at least 95°.

Note: The water closet compartment specifications contained in Table ~~52.04-A~~ 52.04-B do not apply to toilet rooms containing one water closet and one lavatory; or to bathrooms containing a water closet, a lavatory and a bathing facility. See the appendix for examples of accessible toilet room and bathroom arrangements.

TABLE ~~52.04-A~~ 52.04-B

Compartment Size Width/Length	Door Location	Door Size	Water Closet Location	Grab Bar Location
36" x 72" <u>78"</u>	Front entrance	32"	Centered	Each side of WC
36" x 78"	Side entrance	36"	Centered	Each side of WC
48" <u>54"</u> x 57"	Front entrance	32"	Offset ¹	Wall closest to WC
42" x 78"	Side entrance	32" <u>36"</u>	Centered	Each side of WC
48" x 72"	Side entrance	32"	Offset ¹	Wall closest to WC

¹ Offset 15 to 18 inches from center line of water closet to wall.

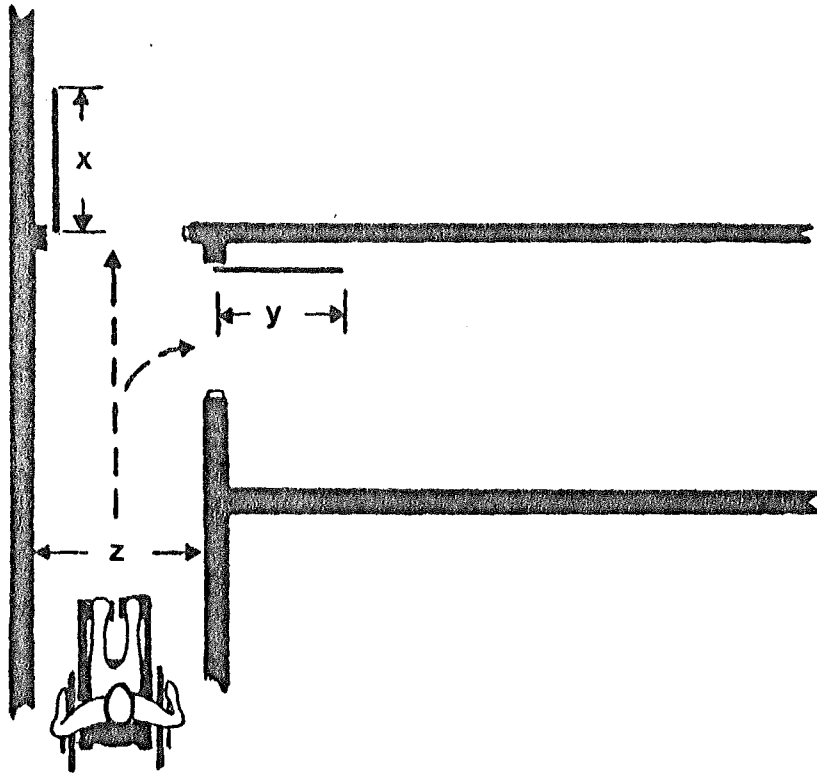
SECTION 35. Ind 52.04 (8) (h) 1. is amended to read:

Ind 52.04 (8) (h) 1. The bathtub shall be equipped with a hand shower with a flexible hose at least 6 feet in length. A seat of nonabsorbent material shall be provided and shall be mounted 17 to 20 inches above the floor of the bathtub. The seat may be folding, retractable or fixed, unless an alternate method, such as a lift, is provided. Grab bars shall be mounted on 2 sides of the bathtub and shall comply with the requirements of par. (d) ~~4~~ 3. In detention or correctional facilities, 2 fixed shower heads may be provided in lieu of a hand shower with a flexible hose.

SECTION 36. Ind 52.04 (9) is repealed and recreated to read:

Ind 52.04 (9) DOORS, CORRIDORS AND PLATFORMS. (a) Doors and corridors. All doors and corridors shall be designed to provide access and shall comply with the minimum design standards established in Figure 52.04-1, or as approved by the department.

Figure 52.04-1



MINIMUM DOOR AND CORRIDOR DIMENSIONS		
Corridor Width	Door Widths	
Z*	X(Straight Run)	Y(90° Turn)
36"	32"	36"
38"	32"	36"
40"	32"	34"
42" and greater	32"	32"

*The corridor width (Z) shall be maintained for a distance of at least 5 feet from the edge of the door opening.

Note: These dimensions apply if a right or left turn is provided, or if the doors are hinged on the left or right side.

(b) Door sizes. The minimum door size to provide access shall be 32 inches in width. Doors shall provide minimum clear openings as specified in subd. 1. - 3.

1. Doors 32 inches in width shall provide a minimum clear opening of 29 inches.

2. Doors 34 inches in width shall provide a minimum clear opening of 31 inches.

3. Doors 36 inches in width shall provide a minimum clear opening of 33 inches.

(c) Door thresholds. Thresholds at exterior doors shall not extend more than 5/8-inch above the finished floor and exterior platform. Weatherstripped thresholds shall not exceed one inch above the finished floor and exterior platform, including the weather-stripping. All exterior thresholds shall be not less than 4 inches in width. Interior thresholds shall extend not more than 1/2-inch above the finished floor or carpeting. All thresholds shall be beveled to provide smooth, unbroken surfaces.

(d) Doors in series. All doors in series, other than those which are electronically controlled, or located in individual living units, shall be arranged to provide a minimum distance of 6 feet 6 inches between the doors when closed.

Note #1: See Appendix for diagrams.

Note #2: Lever handles or door handles are recommended over conventional door knobs. Kickplates, 16 inches high, are recommended on the accessible side of doors. Automatic power-operated doors are recommended at entrances. Time-delay door closures are recommended at all accessible doors. The manual pull or push of a door is recommended not to exceed 8 pounds.

(e) Platforms at exterior doors. At least 18 inches of clear platform space shall be provided on the door knob side of all exterior doors. The platform shall have a side slope not greater than 2.5% (1/4 inch per foot) and shall be at least 4 feet in length when the door swings inward or 5 feet in length when the door swings outward.

SECTION 37. Ind 52.04 (10) is created to read:

(10) MISCELLANEOUS DETAILS. (a) *Identification signs. 1. 'International symbol for barrier-free environments'. The international symbol for barrier-free environments shall identify all accessible entrances, toilet facilities, drinking fountains, telephones and parking spaces.

2. 'Location'. The international symbol for barrier-free environments shall be placed at all entrances indicating the location of the nearest accessible entrances and accessible toilet facilities. The symbol at the exterior of the building shall be legible from adjacent streets, driveways or public walks.

Note: also see s. Trans 200.07 for additional requirements.

(b) *Wheelchair functions. All 90°, 180°, 360° and S-turns shall be designed to provide ease of access, usability and uninterrupted mobility.

Note #1: The standard wheelchair dimensions are: length including footrest and feet, 42 inches; width, including hands and knuckles, 29-3/4 inches.

Note #2: The minimum space required to turn 90°, 180°, 360° and S-turns is illustrated in the Appendix.

(c) Grates. All openings in gratings that will be in the path of access shall not exceed 3/8-inch in width, and shall be installed perpendicular to the direction of travel. Spacers perpendicular to the grate and flush with the top of the grate shall be provided at not more than 18-inch intervals.

(d) Water fountains. Water fountains shall be accessible and installed at or adapted to a usable height.

Note: Conventional floor-mounted water coolers can be serviceable to patrons with functional limitations if a small fountain is mounted on the side of the cooler 30 inches above the floor. Fully recessed water fountains are not recommended and should not be recessed in an alcove unless the alcove is wider than a wheelchair.

Note: See Appendix for accessible designs.

(e) Public telephones. Where coin telephones are provided for public use, a minimum of one telephone shall be accessible.

Note: It is recommended that the height of the telephone coin slot be not more than 54 inches above the floor, with the dial no more than 48 inches from the floor. An adjustable volume control should be provided in areas where such service is appropriate.

SECTION 38. Ind 52.041 (1) (c) is created to read:

Ind 52.041 (1) (c) Toilet rooms located in ancillary areas. Toilet rooms serving ancillary areas such as, but not limited to, physical therapy, occupational therapy, x-ray and similar occupancies shall be accessible and comply with distribution requirements specified in s. Ind 52.04 (4) (c).

*See Appendix A for further explanatory material.

SECTION 39. Ind 53.64 Note is amended to read:

Ind 53.64 Note: Section Ind 51.02 (4) (b) 1. b. requires that exterior walls below the first floor structural system be counted as a story when constructed of materials other than masonry or concrete. Therefore, buildings utilizing wood foundations will be limited to 3 levels (2-story and basement, 2-story and ground floor, or 3-story with treated wood frost wall and no crawl space or basement).

SECTION 40. Ind 54.01 (3) is amended to read:

Ind 54.01 (3) (a) No building shall be limited in area when divided into sections which do not exceed the maximum areas tabulated in this section by fire division walls. ~~Such fire division walls shall be as~~ specified in s. Ind 51.02 (13).

(b) All openings in such walls shall be protected by ~~swinging, sliding or overhead fire-resistive doors~~ door assemblies as specified in s. Ind 51.047.

1. Except as provided in subd. 2, Doors doors protecting such openings may be left open if equipped with an automatic closing device activated by ~~smoke density or~~ products of combustion other than heat.

2. a. The automatic closing device may be installed to prevent accidental closing of the fire door in the event of a power outage to the building if it is installed with ~~a fusible link~~ an approved or listed backup mechanism in addition to the smoke detection release device.

b. The automatic closing device on doors located in smoke or contaminant-filled environments (i.e. foundries, chemical plants) may be activated by rate-of-rise heat detectors.

3. Doors used as required exits shall be standard exit doors and shall comply with the requirements of s. Ind 51.19 (2).

SECTION 41. Ind 54.02 (4) (c) Note is created to read:

Ind 54.02 (1) (c) Note: See s. A52.015 of Appendix A for further information relating to "high hazard" occupancies.

SECTION 42. Ind 54.06 (1) is amended to read:

Ind 54.06 EXIT AND EXIT ACCESS DOORS. (1) GENERAL. Except as provided in pars. (a) and (b), every door which serves as an exit from a building, public passageway or stairway shall be a standard exit door as specified in s. Ind 51.15.

(a) ~~Exception.~~ Exit doors serving ~~rooms or suites accommodating~~ 25 or less persons need not swing in the direction of egress.

(b) ~~Exception.~~ Exit access doors serving ~~spaces accommodating 10~~ 25 or less persons may be reduced to 2 feet 8 inches in width and ~~need not swing in the direction of egress~~ may be sliding or accordian-type doors.

SECTION 43. Ind 54.06 (2) is amended to read:

Ind 54.06 (2) ILLUMINATED EXIT SIGNS. Every exit ~~doorway~~ door from each floor, other than the principal entrance on the first floor, shall be indicated ~~by an approved illuminated sign over the door bearing the word EXIT or OUT in plain letters not less than 5 inches in height~~ marked with exit signs as specified in s. Ind 51.15 (5).

SECTION 44. Ind 54.08 (1) (b) is amended to read:

Ind 54.08 (1) (b) 1. The stairways or shafts connecting the first floor with one floor level immediately adjacent to it (e.g., second story, mezzanine, ground floor or basement) may be left open in buildings 2 stories or less in height, and where the distance to an exit from ~~anywhere in the building~~ the area served by the open stairway including the horizontal travel distance on the exit access stair, does not exceed 100 feet in buildings not completely protected by an approved automatic sprinkler system or 150 feet in buildings completely protected by an approved automatic sprinkler system; or

2. Any stairway or shaft connecting the second floor, first floor and basement or ground floor shall be separated at the first floor level or first adjacent basement or ground floor level with fire resistive construction as specified in Table 51.03-A or better in buildings 2 stories or less in height, and where the distance to an exit from ~~anywhere in the building~~ the area served by the open stairway including the horizontal travel distance on the exit access stair, does not exceed 100 feet in buildings not completely protected by an approved automatic sprinkler system or 150 feet in buildings completely protected by an approved automatic sprinkler system.

SECTION 45. Ind 54.12 (1) (a) 1. is amended to read:

Ind 54.12 (1) (a) 1. Where not more than 10 employes ~~or~~ and 25 patrons are accommodated, one toilet room, shared in common, may be provided if the door of the toilet room is equipped with a lock to ensure privacy.

SECTION 46. Ind 54.12 (1) (e) 1. is amended to read:

Ind 54.12 (1) (e) 1. Garages. Separate toilet rooms for each sex shall be provided in all service and repair garages, body shops, automobile tire and battery shops, and buildings of similar use, except that a single toilet room, shared in common, may be provided in buildings which accommodate not more than 10 employes ~~or~~ and 25 patrons. Separate toilet rooms for employes and patrons need not be provided if toilet rooms are accessible to both employes and patrons.

SECTION 47. Ind 55.11 is repealed and recreated to read:

Ind 55.11 EXIT LIGHTS. All required exits, except those in church auditoriums, shall be identified by an approved exit light. Directional exit lights shall be provided to direct occupants to the exits. Exit lights and directional exit lights shall be as specified in s. Ind 51.15 (5).

SECTION 48. Ind 56.001 Note is amended to read:

Ind 56.001 Note: Section 101.02 (15) (a), Stats., exempts rural school buildings from the provisions of this code. See s. Ind 51.01 ~~(114a)~~ (114b) for definition of a rural school building.

SECTION 49. Ind 56.06 (6) is amended to read:

Ind 56.06 (6) EXIT LIGHTS. All required exits indicated in s. Ind 56.06 (2), and exits from areas serving a capacity of more than 100 persons, shall be identified by an approved exit light. Directional exit lights shall be provided to direct occupants to an exit. Exit lights and directional exit lights shall be ~~in accordance with the requirements of~~ as specified in s. Ind 51.15 (5).

SECTION 50. Ind 56.35 is amended to read:

Ind 56.35 ~~SUBDIVISIONS AND FIRE STOPS~~ CLASS OF CONSTRUCTION SEPARATIONS. Relocatable classrooms connected to another building shall be ~~provided with subdivisions and fire stops~~ separated by class of construction separations as specified in s. Ind ~~56.04~~ 51.02 (20).

SECTION 51. Ind 57.001 (1) is amended to read:

Ind 57.001 (1) GENERAL. The requirements of this chapter shall apply to all places of abode, including, but not limited to, apartment buildings~~;~~ garden apartments~~;~~ rowhouses~~;~~ townhouses~~;~~ condominiums~~;~~ hotels~~;~~ motels~~;~~ rooming houses~~;~~ dormitories~~;~~ convents~~;~~ monasteries~~;~~ homes for the aged~~;~~ sheltered facilities for battered women, as specified in s. 46.95, Stats., serving more than 20 occupants~~;~~ community-based residential facilities constructed on or after the effective date of this section and serving 9 or more unrelated adults~~;~~ and community-based residential facilities located in existing buildings on or after the effective date of this section and serving more than 20 unrelated adults.

Note: See s. Ind 51.01 (102a) and 51.01 (114a) for the definitions of the terms "places of abode" and "rowhouse", respectively.

SECTION 52. Ind 57.01 (4) (b) is amended to read:

Ind 57.01 (4) (b) Attached storage and repair garages, larger than 500 square feet in area, constructed in conjunction with residential occupancies shall comply with the requirements of ch. Ind 59.

SECTION 53. Ind 57.01 (4) (c) is amended to read:

Ind 57.01 (4) (c) 1. Attached storage garages, 500 square feet or less in area, or divided by walls having at least one-hour fire-resistive rating into areas of 500 square feet or less, shall be completely separated from the residential occupancy by at least one-hour fire-resistive rated construction. All openings in walls separating the garage from the residential occupancy shall be protected by means of self-closing fire-resistive door assemblies as specified in s. Ind 51.047.

2. Facilities for repairing or fueling vehicles within the storage garage shall be prohibited.

SECTION 54. Ind 57.01 (4) (d) is created to read:

Ind 57.01 (4) (d) Attached repair garages, 500 square feet or less in area, constructed in conjunction with residential occupancies shall comply with the requirements of ch. Ind 59.

SECTION 55. Ind 57.015 is created to read:

Ind 57.015 HEIGHT OF FIRST FLOOR ABOVE GRADE FOR SHELTERED FACILITIES FOR BATTERED WOMEN. The elevation of the first floor and the sills of all required exit discharges from the first floor for existing buildings to be converted to sheltered facilities for battered women shall be at or not more than 6 feet above an exit discharge grade.

SECTION 56. Table 57.02 "title" is created to read:

TABLE 57.02
ALLOWABLE HEIGHT (STORIES) AND AREA (SQUARE FEET)
(MAXIMUM GROSS FLOOR AREA PER FLOOR)

SECTION 57. Ind 57.02 (2) (b) 2. is amended to read:

Ind 57.02 (2) (b) 2. All openings in such walls shall be protected by fire-resistive door assemblies as specified in s. Ind 51.047. The doors protecting openings in such walls located in public corridors shall be held open and equipped with an automatic closing device activated by products of combustion ~~or smoke density~~ other than heat.

SECTION 58. Ind 57.10 (2) is amended to read:

Ind 57.10 (2) EXIT LIGHTS. (a) Except as provided in par. (b), every required exit, other than those within private living units, from each floor shall be indicated by an approved illuminated, exit sign.

(b) 1. Exits within an individual living unit need not be provided with exit signs.

2. Exits in buildings having 4 living units or less per floor need not be provided with exit signs if the building contains not more than 8 living units and the path of exit from all floor levels including the basement to the outside is readily apparent.

(c) Exit lights shall be as specified in s. Ind 51.15 (5).

SECTION 59. Ind 57.11 (1) (c) is repealed and recreated to read:

Ind 57.11 (1) (c) Every habitable room shall have at least one outside window which can be opened from the inside without the use of tools to provide a clear opening of not less than 20 inches in width, 24 inches in height, and 5.7 square feet in area, with the bottom of the opening not more than 44 inches above the floor.

1. All windows shall comply with the requirements of ss. Ind 52.02 and 57.13.

2. Windows having sills below grade shall be provided with an areaway as described in sub. (3).

3. Window assemblies shall be of a type, which do not obstruct emergency egress, when opened; and

SECTION 60. Ind 57.11 (1) (d) and (e) are repealed.

SECTION 61. Ind 57.11 (1) (f) is renumbered to be (1) (d).

SECTION 62. Ind 57.17 (1) (b) is amended to read:

Ind 57.17 (1) (b) Residential occupancies, including hotels and motels, not more than one story in height in which each living unit has an a primary swinging exit door at grade level are exempted from the provisions of par. (a).

SECTION 63. Ind 58.01 (1) (a) is amended to read:

Ind 58.01 (1) (a) Floor framing support assemblies. Floor framing support assemblies shall have a minimum fire-resistive rating of ~~3~~ 2 hours.

SECTION 64. Ind 58.01 (2) is repealed and recreated to read:

Ind 58.01 (2) ONE-STORY CONSTRUCTION. (a) Hospitals. 1. Except as provided in subd. 2., one story hospitals shall be of type 3 metal frame protected construction or better as specified in Table 51.03-A with the following specifications:

a. Roof framing assemblies for types 1, 2 and 3 construction shall have a minimum fire-resistive rating of one hour.

b. All exterior bearing walls of type 3 construction shall have a minimum fire-resistive rating of one hour.

2. One story hospitals provided with a complete automatic fire sprinkler system installed in accordance with s. Ind 51.23 may be of type 7, wood frame protected construction or better as specified in Table 51.03-A.

(b) Nursing homes. One story nursing homes shall be of type 7 wood frame protected construction or better as specified in Table 51.03-A.

SECTION 65. Ind 58.02 (4) is amended to read:

Ind 58.02 (4) OPENINGS. All openings in occupancy separations shall occur only in corridors and shall be protected by ~~self-closing~~ fire-resistive door assemblies as specified in s. Ind 58.21.

SECTION 66. Ind 58.04 (3) (a) 1. is amended to read:

Ind 58.04 (3) (a) 1. All exit access doors from hospital and nursing home sleeping rooms; patient or resident use areas; diagnostic and treatment areas, such as x-ray, surgery, or physical therapy; and all doors between these spaces and the required exits shall be at least 44 inches wide.

SECTION 67. Ind 58.06 (1) (a) is repealed and recreated to read:

Ind 58.06 (1) (a) All stairways and steps shall have a rise of not more than 7 inches and not less than 4 inches and a tread not less than 11 inches, measured from tread to tread and from riser to riser. Treads and risers shall be uniform in any one flight. Winders shall not be used. Treads shall be solid.

SECTION 68. Ind 58.10 (2) is amended to read:

Ind 58.10 (2) AREA. At least 30 net square feet per occupant in a facility shall be provided within areas such as corridors, patient rooms, treatment rooms, lounge or dining areas on each side of the horizontal exit ~~or~~ for the total number of people in the adjoining compartment.

SECTION 69. Ind 58.11 (4) is created to read:

Ind 58.11 (4) LANDINGS AND PLATFORMS. (a) If a door is provided at the top or bottom or both of a ramp, a landing or platform shall be placed between the door and the ramp regardless of the direction of swing of the door.

(b) Every landing or platform shall be at least as wide as the ramp, measured at right angles to the direction of travel. The length of every landing or platform shall be at least as wide as the ramp, but need not exceed 48 inches.

SECTION 70. Ind 58.13 (2) (a) is amended to read:

Ind 58.13 (2) (a) Exit access corridors. 1. Every aisle, corridor and hallway used for exit access shall be at least 8 feet in clear and unobstructed width of which not more than 4 inches on each side may be occupied by a handrail.

2. Where doors are placed in the exit access corridor, they shall be a pair of doors, each at least 44 inches in width. Where the exit access corridor serves as a means of egress from both sides of the doorway, the doors shall be arranged to swing in the opposite direction from the other.

SECTION 71. Ind 58.20 is repealed and recreated to read:

Ind 58.20 KEY LOCKING HARDWARE. Key locking hardware on exit doors and exit access doors is prohibited except in areas accommodating residents who must be detained for their protection and the protection of the general public and the building complies with the requirements of ch. Ind 58, subchs. I and II. Where the requirements of the 2 subchapters differ, the additional or more stringent requirement shall govern.

SECTION 72. Ind 58.21 (1) is amended to read:

Ind 58.21 (1) DOORS. Doors protecting openings in occupancy separations, smoke barriers, or horizontal exits shall be ~~self-closing~~ fire-resistive door assemblies as specified in s. Ind 51.047.

SECTION 73. Ind 58.21 (2) (intro) is amended to read:

Ind 58.21 (2) ~~AUTOMATIC CLOSING DEVICE~~. Doors protecting such openings shall be equipped with ~~an automatic~~ a closing device and shall normally be kept closed, except the doors may be held open by a ~~magnetic~~ hold open device actuated by products of combustion other than heat. The ~~automatic~~ closing device shall be arranged such that the activation of any one or all of the following systems will initiate the self-closing action of all such doors:

SECTION 74. Ind 58.21 (2) (c) is amended to read:

Ind 58.21 (2) (c) ~~Complete automatic~~ Automatic sprinkler system or fire detection system, if provided.

SECTION 75. Ind 58.22 is amended to read:

Ind 58.22 ELEVATOR LOBBY ENCLOSURES. (1) GENERAL. All elevator lobbies shall be enclosed with at least one-hour fire-resistive construction as specified in s. Ind 51.04, to limit the spread of smoke and fire. All openings shall be protected with ~~fire-rated~~ fire-resistive door assemblies as specified in s. Ind 58.21.

(2) OPENINGS INTO THE ENCLOSURE. Openings into the elevator lobby enclosure shall be limited to exit doors serving public passageways or corridors and openings into elevator shaft enclosures.

SECTION 76. Ind 58.24 (1) is amended to read:

Ind 58.24 (1) ENCLOSURES. (a) General. All hazards listed in Table 58.24-A shall be enclosed from other areas of the building with fire-resistive rated construction as specified in Table 58.24-A.

(b) Openings. 1. All openings into boiler, furnace or emergency generator enclosures shall be protected with self-closing ~~fire-rated~~ fire-resistive door assemblies as specified in s. Ind 51.047.

2. All openings into other hazard enclosures shall be protected with fire-resistive door assemblies as specified in ss. Ind 51.047 and 58.21.

SECTION 77. Table 58.24-A is repealed and recreated to read:

TABLE 58.24-A

HAZARDS	FIRE-RESISTIVE RATING IN HOURS	
	Buildings 3 Stories or Less ¹	Buildings Over 3 Stories
Boilers (including fuel room and breeching)	2	3
Furnaces (including fuel room and breeching)	2	3
Laundries and drying rooms	2	3
Emergency generators (cannot be located in boiler or furnace room)	2	3

¹ The minimum hourly ratings specified may be reduced by one hour in buildings less than 3 stories in height and protected by complete automatic fire sprinkler system. The minimum rating shall not be less than one hour.

SECTION 78. Ind 58.24 (2) is amended to read:

Ind 58.24 (2) SEPARATIONS. All hazards listed in Table 58.24-B shall be vertically separated from other areas of the building with fire-resistive rated construction as specified in Table 58.24-B. All openings shall be protected with ~~self-closing fire-rated~~ fire-resistive door assemblies as specified in s. Ind 51.047.

SECTION 79. Table 58.24-B is amended to read:

TABLE 58.24-B

HAZARDS	FIRE-RESISTIVE RATING IN HOURS†
†Soiled Linen Rooms	1
Kitchens ¹	1
Handicraft Shops ¹	1
†Carpenter Shops	1
Repair Shops ¹	1
†Paint Shops	1
†Trash Collection Rooms	1
†Storage Rooms (containing quantities of flammable or combustible material exceeding 1 lb. of material per square foot of floor area)	1
Gift Shops ¹	1
†Laboratories (containing quantities of flammable or combustible material exceeding 1 lb. of material per square foot of floor area)	1
-All other laboratories ¹	1
Employe Locker Rooms ¹	1

†These areas are required to be protected with an automatic sprinkler system in addition to the fire-resistive enclosure requirements specified in the table.

¹The minimum hourly ratings specified may be reduced by ~~one hour~~ to a smoke separation with a self-closing door in buildings protected by ~~an a complete~~ an a complete automatic sprinkler system. ~~The separation shall be not less than a smoke separation with a self-closing door~~

SECTION 80. Ind 58.25 (1) (intro) is amended to read:

Ind 58.25 (1) VERTICAL PROTECTION. Any rubbish chute or laundry chute shall be enclosed with walls or partitions of at least 2-hour fire-resistive construction specified in s. Ind 51.043, except that horizontal portions of pneumatic rubbish and laundry chute systems need not be enclosed. All openings shall be protected with ~~self-closing fire-rated~~ fire-resistive door assemblies as specified in ~~s. ss.~~ ss. Ind 51.047 and 58.21 (2) and shall include the opening from the chute into the collection room.

SECTION 81. Ind 58.26 (2) is repealed and recreated to read:

Ind 58.26 (2) WALLS AND CEILINGS. (a) Materials. Except as provided in par. (b), all walls and ceilings shall be Class A as specified in s. Ind 51.01 (75a).

Note: See ch. Ind 4 for interior finish of elevator cabs.

(b) Exceptions. 1. Walls and ceilings of individual rooms having a capacity of not more than 4 persons may have a Class B interior finish as specified in s. Ind 51.01 (75a).

2. Interior finish not in excess of 10 percent of the aggregate wall and ceiling areas of any room or space may be Class C materials in occupancies where interior finish of Class A or Class B is required.

(c) Napped, tufted and looped materials. Materials such as carpeting having a napped, tufted, looped, or similar surface, when applied on walls or ceilings, shall meet the requirements of Class A interior finish.

SECTION 82. Ind 58.27 (3) (a) is amended to read:

Ind 58.27 (3) (a) Except as provided in par. (b), an approved automatic smoke detection system shall be installed in all corridors in nursing homes. Such systems shall be installed and maintained as specified in NFPA 72E but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall. All automatic smoke detection systems required by this paragraph shall be electrically interconnected to the fire alarm system.

SECTION 83. Ind 58.27 (3) (b) is created to read:

Ind 58.27 (3) (b) Corridor smoke detection systems are not required on the patient sleeping room floors, if each patient sleeping room is protected by an approved smoke detection system.

SECTION 84. Ind 58.29 (2) (a) is amended to read:

Ind 58.29 (2) (a) The main sprinkler control valves shall be electrically supervised so that at least a local alarm will sound at a constantly ~~attended~~ supervised location ~~where~~ when the valve is closed.

SECTION 85. Ind 58.41 (4) is amended to read:

Ind 58.41 (4) "Holding room" means any room used for confining persons for a maximum of 72 hours for the purpose of booking, court appearances and similar type functions.

SECTION 86. Ind 58.42 (1) is amended to read:

Ind 58.42 (1) BUILDING OR PORTIONS OF BUILDINGS WITH SLEEPING ROOMS. All detention and correctional facilities containing sleeping facilities or holding rooms or both shall be at least type 2 construction as specified in s. Ind 51.03.

SECTION 87. Ind 58.44 (3) is amended to read:

Ind 58.44 (3) PROTECTION OF OPENINGS. All openings in occupancy separations shall be protected by ~~self-closing~~ fire-resistive door assemblies as specified in s. Ind 58.60.

SECTION 88. Ind 58.50 is amended to read:

Ind 58.50 STAIRWAYS. (1) GENERAL. All stairways shall comply with the requirements specified in s. Ind 51.16 and shall be enclosed as specified in s. Ind 51.18.

(2) STAIRWAY TERMINATION. Stairways provided in addition to those required by this subchapter shall be enclosed as specified in s. Ind 51.18 but need not lead to the outside. A sign or label shall be posted on the doors of the stair enclosures and shall bear the following: "Not an Exit".

SECTION 89. Ind 58.53 (4) is created to read:

Ind 58.53 (4) LANDINGS AND PLATFORMS. (a) If a door is provided at the top or bottom or both of a ramp, a landing or platform shall be placed between the door and the ramp regardless of the direction of swing of the door.

(b) Every landing or platform shall be at least as wide as the ramp, measured at right angles to the direction of travel. The length of every landing or platform shall be at least as wide as the ramp, but need not exceed 48 inches.

SECTION 90. Ind 58.575 is created to read:

Ind 58.575 EMERGENCY LIGHTING. Emergency lighting complying with the requirements specified in ch. ILHR 16 shall be required when 20 or more resident beds are provided.

SECTION 91. Ind 58.59 (1) (b) is amended to read:

Ind 58.59 (1) (b) Locks at exterior doors, stairways and horizontal exits. Doors from the secured areas to the exterior of the building, into stairway enclosures or at horizontal exits may be locked with a key lock. The keys to unlock such doors shall be maintained and available at the facility at all times and the locks shall be operable from the outside.

SECTION 92. Ind 58.60 (1) is amended to read:

Ind 58.60 (1) DOORS. Doors protecting openings in occupancy separations, smoke barriers, or horizontal exits shall be ~~self-closing~~ fire-resistive door assemblies as specified in s. Ind 51.047.

SECTION 93. Ind 58.60 (2) (intro) is amended to read:

Ind 58.60 (2) ~~AUTOMATIC~~ CLOSING DEVICE. Doors protecting such openings shall be equipped with ~~an automatic~~ a closing device and shall normally be kept closed, except the doors may be held open by a ~~magnetic~~ hold open device actuated by products of combustion other than heat. The ~~automatic~~ closing device shall be arranged such that the activation of any of the following systems will initiate the self-closing action of all such doors:

SECTION 94. Ind 58.61 is amended to read:

Ind 58.61 PROTECTION OF VERTICAL OPENINGS. Every elevator shaft, dumb-waiter shaft, laundry chute, wastepaper chute, pipe shaft, rubbish chute and other similar vertical shafts in buildings shall be enclosed with at least 2-hour fire-resistive construction as specified in s. Ind 51.043. All openings shall be protected with fire-resistive door assemblies as specified in s. Ind 51.047.

SECTION 95. Ind 58.62 is amended to read:

Ind 58.62 ISOLATION OF HAZARDS. (1) ENCLOSURES. All hazards shall be enclosed from other areas of the building with fire-resistive rated construction and specified in Table 58.62.

(2) OPENINGS. (a) All openings into boiler, furnace and emergency generator enclosures shall be protected with self-closing ~~fire-rated~~ fire-resistive door assemblies as specified in s. Ind 51.047.

(b) All openings into other hazard enclosures shall be protected with fire-resistive door assemblies as specified in ss. Ind 51.047 and 58.60 (2).

SECTION 96. Table 58.62 is repealed and recreated to read:

TABLE 58.62

HAZARDS	FIRE-RESISTIVE RATING IN HOURS	
	Buildings 3 Stories or Less ¹	Buildings Over 3 Stories
Boiler (including fuel room and breeching)	2	3
Furnace (including fuel room and breeching)	2	3
Emergency generators (cannot be located in boiler or furnace rooms)	2	3
Laundries (having gas or open flame equipment)	2	3
Kitchens (commercial type)	2	3
Handicraft shops	2	3
Carpenter shops	2	3
Repair shops	2	3
Paint shops	2	3
Trash collection	2	3
Storage rooms (containing quantities of flammable or combustible material not exceeding 1 lb. of material per square foot of floor area)	2	3

¹ The minimum hourly ratings specified may be reduced by one hour in buildings less than 3 stories in height and protected by a complete automatic fire sprinkler system. The minimum rating shall not be less than one hour.

SECTION 97. Ind 58.635 is created to read:

Ind 58.635 FIRE EXTINGUISHERS. Portable fire extinguishers shall be provided and maintained as specified in s. Ind 51.22.

SECTION 98. Ind 58.65 (1) is amended to read:

Ind 58.65 AUTOMATIC SMOKE DETECTION SYSTEM. (1) LOCATION. An approved automatic smoke detection system shall be installed in all sleeping rooms, holding rooms and in all corridors in connection with the sleeping room areas. Such systems shall be installed in accordance with NFPA 72E but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall, except as provided in sub. (2). All automatic smoke detection systems required by this section shall be electrically interconnected to the fire alarm system.

SECTION 99. Ind 58.67 (4) (b) is amended to read:

Ind 58.67 (4) (b) Doors in smoke barriers shall ~~be self-closing~~ and have at least a 20 minute fire-resistive rating, except that doors may be ~~locked~~ held open as specified in s. Ind ~~58.59~~ 58.60.

SECTION 100. Ind 58.69 (1) is amended to read:

Ind 58.69 (1) CLASS OF CONSTRUCTION. (a) Except as provided in par (b), guard towers shall be of type 1, 2 or 3 construction as specified in s. Ind 51.03.

(b) Guard towers not exceeding 150 net square feet may be of Type 6 construction as specified in s. Ind 51.03 or better.

SECTION 101. Ind 58.69 (2) is amended to read:

(2) MEANS OF EGRESS. At least one exit stairway shall be provided from a guard tower or observation station and shall be a minimum of 28 inches in width. Spiral stairways are permitted to serve guard towers and observation stations not greater than 150 net square feet. Spiral stairways shall comply with s. Ind 51.16 (7).

SECTION 102. Ind 59.10 (2) (a) is amended to read:

Ind 59.10 (2) (a) Storage garages serving community-based residential facilities within the scope of ch. Ind 61;

Note: See s. Ind 61.10 (2).

SECTION 103. Ind 59.14 (4) is renumbered to be (5).

SECTION 104. Ind 59.14 (4) is created to read:

Ind 59.14 (4) EXIT LIGHTS. All required exits shall be identified by an approved exit light. Directional exit lights shall be provided to direct occupants to the exits. Exit lights and directional exit lights shall be as specified in s. Ind 51.15 (5).

SECTION 105. Ind 59.21 (intro) is amended to read:

Ind 59.21 ISOLATION OF HAZARDS AND SEPARATIONS. All ~~open-flame fuel-fired~~ heating equipment within a storage garage and a repair garage, including, but not limited to boilers, furnaces and water heaters, shall be isolated from the ~~rest~~ remainder of the storage garage or repair garage by at least 2-hour fire-resistive construction as specified in s. Ind 51.04 or shall be installed in accordance with s. Ind 64.21.

SECTION 106. Ind 59.21 (2) (a) is amended to read:

Ind 59.21 (2) (a) Except as provided in par. (b), openings shall be prohibited in any building component separating garage areas and ~~open-flame fuel-fired~~ heating equipment where the ~~open-flame fuel-fired~~ heating equipment is located below the elevation of the garage floor.

Note: SECTION 107 is not used. The next section is numbered 108.

SECTION 108. Table 59.22 is amended to read:

TABLE 59.22
OCCUPANCY SEPARATIONS FIRE-RESISTIVE RATINGS IN HOURS

OCCUPANCY TYPES	CH ^{1,3} 54	CH 55	CH 56	CH 57	CH 58	CH ² 59	CH ⁴ 60	CH 61	CH ² 62	BELOW EXIT COURTS
Storage Garage greater than 500 sq. ft.	2	3	2	2	3	0	2	See s. Ind 61.10(2)	0	3
Storage Garage equal to or less than 500 sq. ft.	1	3	2	See s. Ind 57.01(4)	3	0	1	See s. Ind 61.10(2)	0	3
Repair Garage greater than 500 sq. ft.	3	4	3	3	4	0	3	3	0	4
Repair Garage equal to or less than 500 sq. ft.	2	4	3	2	4	0	2	2	0	4

Occupancy separations are not required within a fire station or other similar occupancy to isolate vehicles in other areas of the building that are directly and permanently related to the functions of the building.

An occupancy separation is not required to separate a storage garage, repair garage or open parking structure from each other, however, the most stringent occupancy requirements shall apply. Where these areas are be classified as separate occupancies, a separation of at least one-hour fire-resistive construction shall be provided.

Occupancy separations are not required within an office, factory, or warehouse occupancies only, with a storage garage accommodating one or two vehicles which are directly related to the functions of that occupancy. Where a storage garage accommodating one or two vehicles within an office, factory or warehouse is part of a multi-occupancy/multi-tenant building (i.e., strip shopping center) the occupancy separation must at least be provided at the adjoining tenant's wall.

Storage garages in buildings used exclusively for a day care center serving 4 to 8 children or a day care center serving 4 to 8 children in conjunction with a one- or two-family dwelling shall be separated from the care center as specified in s. Ind 21.08 (2).

SECTION 109. Ind 60.001 (4) is amended to read:

Ind 60.001 (4) Chapters Ind 50 through to 53 are applicable for general and structural design requirements. Chapters Ind 63 and 64 are applicable to newly constructed day care centers and to alterations to mechanical systems.

SECTION 110. Ind 60.105 is created to read:

Ind 60.105 HEIGHT OF FIRST FLOOR ABOVE GRADE. The elevation of the first floor and the sills of all required exit discharges from the first floor for existing buildings to be licensed as child day care centers shall be at or not more than 6 feet above an exit discharge grade.

SECTION 111. Ind 60.13 (1) is amended to read:

Ind 60.13 (1) All ~~classrooms and~~ areas used for ~~instruction, study or~~ sleeping purposes shall be provided with vision panels or windows facing directly upon a street, alley or open court. The vision panels or windows shall be ~~sash~~ glazed with glass or other approved material.

SECTION 112. Ind 60.21 (1) is amended to read:

Ind 60.21 (1) Children under the age of ~~30~~ 24 months shall be restricted to the first floor, as determined in s. Ind 51.02 (14), or to ground floors ~~provided with 2 means of egress directly to grade~~ as defined in s. Ind 51.01 (67).

SECTION 113. Ind 60.23 (3) is amended to read:

Ind 60.23 (3) Stairs and shafts serving ~~2~~ 3 or more floor levels shall comply with the requirements of s. Ind 51.02 (11) and Table 51.03-A.

SECTION 114. Ind 60.31 (6) is amended to read:

Ind 60.31 (6) Children under the age of ~~30~~ 24 months shall be restricted to the first floor, as determined in s. Ind 51.02 ~~(4)~~ (14) or to ground floors ~~provided with 2 means of egress directly to grade~~ as defined in s. Ind 51.01 (67).

SECTION 115. Ind 60.38 (1) is amended to read:

Ind 60.38 (1) EXIT LIGHTS. All required exit doors and exit stairways in day care centers serving more than 20 children shall be plainly marked ~~by a red, illuminated, translucent exit sign bearing the word EXIT or OUT in plain letters not less than 5 inches high~~ as specified in s. Ind 51.15 (5).

SECTION 116. Ind 62.29 (2) is amended to read:

Ind 62.29 (2) EXIT LIGHTS. Every required exit from each floor shall be indicated by an approved ~~illuminated exit sign bearing the word EXIT or OUT in plain letters not less than 5 inches in height~~ as specified in s. Ind 51.15 (5).

SECTION 117. Ind 63.20 (1) (b) is amended to read:

Ind 63.20 (1) (b) Heat pumps. Heat pumps in the cooling mode shall have EER and COP values as indicated in Table 63.20-A based on the standard rating conditions specified in Table 63.20-B. Heat pumps in the heating mode shall be rated at the standard rating conditions and have a minimum COP as shown in Table 63.20-C.

SECTION 118. Ind 63.33 (2) is amended to read:

Ind 63.33 (2) PIPING. (a) Except as provided in par. (b), piping heat loss for recirculation systems shall be limited to a maximum of 25 Btu per hour per square foot of external pipe insulation surface for above-ground piping and a maximum of 35 Btu per hour per square foot of external pipe insulation surface for underground piping. Maximum heat loss shall be determined at a T equal to the maximum water temperature minus a design ambient temperature no higher than 65°F.

~~(a) Exception.~~ (b) Conformance to the minimum pipe insulation requirements specified in Table 63.22 shall be deemed as complying with the requirements of this section subsection.

SECTION 119. Ind 64.09 (1) (d) is amended to read:

Ind 64.09 (1) (d) Combustion air by infiltration. If the heating equipment is not required to be located in a fire-resistive room, combustion air may be provided by means of infiltration where the total area of outdoor openings is greater than 3% of the floor area in which the equipment is located, or where 150% of the air required for theoretical complete combustion is no greater than 1/4 air change per hour. The most restrictive result of the 2 procedures shall govern the design.

SECTION 120. A 52.04 (3) (a) is created to read:

A 52.04 (3) (a) SITE REQUIREMENTS - PARKING SPACE IDENTIFICATION. The following is a reprint of Wisconsin Department of Transportation Administrative Rule, Trans 200.07, dealing with the signage for parking spaces designated for the physically disabled:

TRANS 200.07 HANDICAPPED PARKING SIGNS. (1) PURPOSE. The purpose of this section is to define and illustrate the design, size and installation requirements of the official traffic signs required under s. 346.503 (1), Stats., related to reserved parking spaces for handicapped persons.

(2) SIGN DESCRIPTION. (a) The sign shall consist of a white rectangle with longer dimension vertical, having green message, a green arrow, if required under this section, and a blue and white international symbol for the barrier-free environments. The sign may be reflective or nonreflective.

(b) The sign shall include the words "reserved parking" and the words "vehicles with VET or DIS plates or state disabled card" or other words with a similar meaning.

(c) The size of the sign shall be not less than 12 inches by 18 inches. When used on a highway with a speed limit of more than 35 miles per hour, it shall be not less than 18 inches by 24 inches.

(d) A right arrow, left arrow or the words "This Stall" or similar wording shall be included near the bottom of the sign.

(3) SIGN PLACEMENT. Each sign shall be erected on an adequate support. On highways, the vertical distance from roadway to the bottom of a sign shall be not less than 7 feet, except when overhead obstructions necessitate a lower height. In off-highway parking lots, the vertical distance from the parking lot surface, or top of curb if any, to the bottom of a sign shall be not less than 4 feet. A single sign with the message "This Space" or similar wording shall be used to designate a single reserved space. At least 2 signs are required for multiple reserved spaces. When 2 signs are used they shall be located at the outermost limits of the spaces reserved and, by arrow, designate the location of the reserved spaces.

(a) A sign shall be located at the end of an angled or right-angled space and shall be set to face a motorist entering the space.

(b) When the reserved space is parallel to the edge of a roadway, a sign shall be set at an angle of approximately 30 degrees with the line of traffic.

(4) Signs which are in place prior to the effective date of this section may remain in place and have the same effect as the signs described herein for 5 years after the effective date of this chapter provided that they include the international symbol for barrier-free environments and the wording required under (2) (b) either as part of the original sign or on a supplementary placque or placques. The requirements under (3) do not apply to these signs.

(5) ENFORCEMENT. The provisions of this rule shall be enforced by order of the department. District transportation directors shall be responsible for the issuance of all orders regarding noncompliance.

SECTION 121. A 52.04 (3) (b) is created to read:

A 52.04 (3) (b) Site requirements - curb ramps. The following is a reprint of s. 66.616 (3) (a), Stats., dealing with the design and construction of curb ramps:

(a) Curb ramping shall be of permanent construction. The ramp shall be at least 40 inches wide. The sides of the ramp shall slope from the sidewalk or apron elevations to the ramp elevation with the widest portion of the side slope not less than 18 inches nor more than 24 inches wide at the curb. The ramp slope may not exceed one inch vertical to 12 inches horizontal from the flow line elevation of the curb. The curb opening shall be not less than 40 inches nor more than 80 inches wide at the flow line of the curb. The taper of the curb from the top of the curb to the flow line of the curb at the curb opening shall be not less than 18 inches nor more than 24 inches wide. The ramp shall be bordered on both sides and on the curb line with a 4-inch-wide yellow stripe or with brick of a contrasting color.

SECTION 122. A 57.02 (2) (b) is created to read:

A 57.02 (2) (b) Vertical division walls. See drawings and illustrations in s. A 51.03 (5) (a) for typical floor/ceiling - wall connection details for vertical division walls. Disregard masonry components shown in drawings when masonry is not used in the construction of the vertical division wall.

EFFECTIVE DATE

Pursuant to s. 227.026 (1) (intro), Stats., these rules shall take effect on the first day of the month following publication in the Wisconsin Administrative Register.
