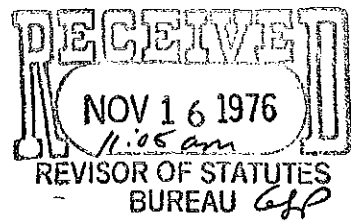


Ind 51

STATE OF WISCONSIN)
) SS
DEPARTMENT OF INDUSTRY,)
LABOR AND HUMAN RELATIONS)

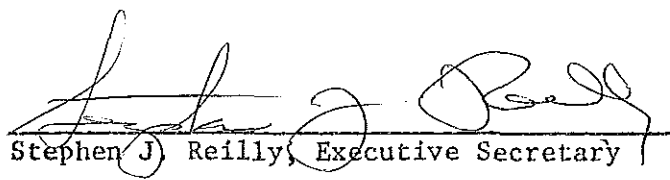


TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Stephen J. Reilly, Executive Secretary of the Department of Industry, Labor and Human Relations, and custodian of the official records of said Department, do hereby certify that the attached rules to Wisconsin Administrative Code chapters Ind 50-64--Building and Heating, Ventilating and Air Conditioning Code, were adopted by the Department of Industry, Labor and Human Relations on November 11, 1976.

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 the Capitol, in the City of Madison, this 11 day of November; A.D., 1976.


Stephen J. Reilly, Executive Secretary

ORDER OF

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS

Pursuant to authority vested in the Department of Industry, Labor and Human Relations by sections 101.01 to 101.20, Wis. Stats., the Department of Industry, Labor and Human Relations hereby amends and adopts rules of Wisconsin Administrative Code Chapters Ind 50-64--Building and Heating, Ventilating and Air Conditioning Code.

The rules attached hereto shall become effective January 1, 1977, as provided in chapter 227, Wis. Stats.

Section Ind 51.14 to be amended to read:

Ind 51.14 GLAZING.

- (1) Safety glazing. All glazing material used in hazardous impact locations shall be safety glazing material. All replacements of glazing material in hazardous impact locations made after November 30, 1976, shall be safety glazing, except the replacement of glazing outlined in subsection Ind 51.14 (2) (c).
 - (a) Location. Hazardous impact locations are all glazed elements such as framed or unframed interior or exterior glass doors, fixed or operating flat panels immediately (within 2 feet of nearest vertical edge) adjacent to an entrance or exit door, exterior doors with glass lights, or any other glazed elements which may be mistaken for a means of egress or ingress to a room or building. Other hazardous impact locations are sliding glazed doors and the adjacent glazed fixed or operating panel(s), storm doors, shower doors, tub enclosures, and display cases in areas of human impact in schools.
 1. Exception. A fixed or operating flat panel, immediately adjacent to an entrance or exit door, is exempt from the requirements of this section if the lower horizontal edge of the panel is 2 feet or more above the floor.
 2. Exception. Any mirror, framed glazed picture or similar decorative object which is attached to a door or wall in a hazardous impact location and which does not in whole or in part conceal any opening in such door or wall is exempt from the requirements of this section.
 - (b) Material. Safety glazing means any glazing material such as tempered glass, laminated glass, wired glass, safety plastic, or safety insulating units which meet the test requirements of the American National Standards Institute (ANSI) standard Z 97.1 [Ind 51.27 (5)], or an equivalent standard, and which are so constructed, treated or combined with other materials to minimize the likelihood of cutting and piercing injuries resulting from human impact with the glazing material.
 - (c) Labeling. Safety glazing material shall be labeled with a permanent label by such means as etching, sand blasting, firing of ceramic material, or hot die stamping. Labels identifying safety glazing materials may be omitted provided that a notarized affidavit is submitted to the department certifying the installation of safety glazing material. The label or affidavit shall identify the seller, manufacturer, fabricator, or installer, the nominal thickness and type of safety glazing material, and the fact that the material meets the test requirements of the American National Standards Institute (ANSI) standard Z 97.1 [Ind 51.27 (5)], or other equivalent standard. The label shall be legible and visible after installation.
- (2) Guarding of glazing. All interior and exterior glazed panels subject to human impact not in a hazardous impact location shall be guarded or provided with safety glazing, except that glazed panels with a sill height of 2 feet or more, or glazed panels less than 12 inches in width, are not required to be safety glazed or guarded.

- (a) Guarding shall consist of a horizontal bar, rail, mullion, grille or screen at least 1-1/2 inches wide and located within 3 feet 6 inches to 4 feet 6 inches above the floor. The guard assembly shall be capable of withstanding a lateral force of 100 pounds applied at any point and installed to avoid contact with the glazing when the force is applied.
 - (b) Safety glazing materials shall conform with the requirements of Ind 51.14 (1) (b).
 - (c) For replacement of glazing in buildings contracted for or existing prior to November 30, 1976, the installation of a vertical or horizontal bar, rail, mullion, grille or screen as a protective device may be provided in lieu of safety glazing material in hazardous impact locations where safety glazing would be impractical because of the size of the light required.
- (3) Interior doors with glass lights. (a) All interior doors with glass lights greater than 8 inches in the least dimension shall be provided with safety glazing material.
- (b) All interior doors with glass lights less than 8 inches in the least dimension shall be provided with 1/4-inch glazing material.
 - (c) Safety glazing materials shall conform with the requirements of Ind 51.14 (1) (b).
- (4) Skylights and sloped glazing. (a) Skylights. All glazing in skylights shall be safety glazing material and shall comply with the requirements of Ind 51.02 (6).
- (b) Sloped glazing. All glazing installed more than 15° with the vertical shall be safety glazing material. This rule does not apply to greenhouses.
- (5) Fire window assemblies. All glazing in fire window assemblies shall be designed and installed in accordance with the requirements of Ind 51.048.
- (6) Structural requirement. Glazing material shall be designed and installed to safely withstand the loads specified in chapter Ind 53 of this code.

Note: Section 101.125, Wis. Stats., requires safety glazing in all hazardous locations.

Dated: 11/15/76

Virginia B. Hart
Virginia B. Hart, Chairman

John C. Zinos
John C. Zinos, Commissioner

William A. Johnson
William A. Johnson, Commissioner