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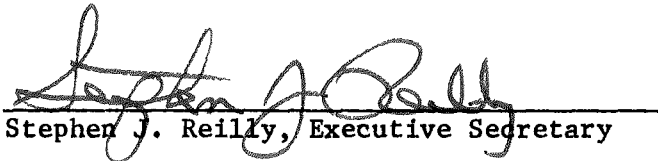
STATE OF WISCONSIN)
) SS
DEPARTMENT OF INDUSTRY,)
LABOR AND HUMAN RELATIONS)

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 Ind 59.20 Drawings, Specifications and Data, were adopted by the Department of Industry, Labor and Human Relations on February 11, 1971.

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 16 day of February, A.D., 1971.


Stephen J. Reilly, Executive Secretary

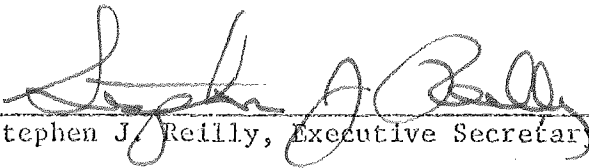
ORDER OF THE

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS

Pursuant to authority vested in the Department of Industry, Labor and Human Relations by section 101.01 to 101.29 Wis. Stats., the Department of Industry, Labor and Human Relations hereby repeals, recreates, and adopts rules of Chapter Ind 59.20 Drawings, Specifications and Data, Wisconsin Administrative Code.

The rules attached hereto shall become effective on the first day of the month following publication in the Wisconsin Administrative Code as provided in Section 227.

DEPARTMENT OF INDUSTRY, LABOR & HUMAN RELATIONS



Stephen J. Reilly, Executive Secretary

Section Ind 59.20 is repealed and recreated to read:

Ind 59.20 Drawings, Specifications and Data. (1) DESIGN AND PREPARATION OF DRAWINGS. All drawings and data for the installation of heating, ventilating and air conditioning equipment shall be designed and prepared to satisfy the requirements of this code.

- (a) All drawings and design data to be submitted for review and approval under the provision of this code for buildings greater than 50,000 cubic feet shall be sealed or stamped by an engineer, architect, or designer registered in accordance with the laws of Wisconsin.

NOTE: Laws regulating the practice of engineering and architecture are found in Chapter 443, Wis. Stats..

- (2) APPROVAL OF DRAWINGS AND SPECIFICATIONS. Where heating, ventilation and air conditioning equipment is required, complete drawings, specifications, and data sheets shall be submitted to the department of industry, labor and human relations for approval. Approval shall be obtained before affected work is commenced and all work shall be executed according to the approved drawings and specifications.

NOTE: To expedite approval of drawings the heating and ventilation drawings should be submitted for approval with the building drawings.

NOTE: Approval is not required for the installation of air cooling equipment when added to an approved heating and ventilating system.

- (a) Drawings for installations within the city limits of Milwaukee shall be submitted to the Inspector of Buildings, Milwaukee for examination and approval.
- (b) The replacement of major apparatus is subject to department of industry, labor and human relations approval.

(c) A statement in triplicate, showing capacities of old and new equipment may be submitted instead of data required in subsection (7).

(3) NUMBER OF DRAWINGS AND SPECIFICATIONS. One copy of specifications and 3 complete sets of drawings shall be submitted for approval.

NOTE: Extra copies of drawings may be filed for an approval and shall be submitted with the original submittal.

(4) APPROVAL OF CHANGES ON DRAWINGS. When it is necessary to change approved heating and ventilating drawings or specifications, revised drawings shall be approved before installation is commenced.

(5) APPROVED DRAWINGS KEPT AT BUILDING. A complete set of approved drawings shall be kept available at the job site.

(6) INFORMATION REQUIRED ON DRAWINGS AND IN SPECIFICATIONS. The lines, data and information shown on drawings for heating, ventilating and air conditioning systems submitted for approval shall be permanent, clear, legible and complete, and shall include all details and data necessary for review of the proposed installation, such as:

(a) Name of the owner of the building.

(b) Complete address of the building.

(c) Architect, engineer or designer's name shall appear on the title sheet.

(d) A floor plan for each floor where equipment is installed shall be furnished as part of the set of drawings.

(e) A room schedule, indicating the intended use of all rooms.

(f) Description of the construction for walls, floor, ceiling, and roof.

(g) Elevation and sectional plans to illustrate and clarify equipment arrangements.

(h) Location, size and type of all principal units of equipment.

(i) Size and continuity of all ducts and vents.

- (j) Description and location of chimney.
 - (k) Specifications shall be properly identified with and completely supplement the drawings.
- (7) DATA REQUIRED. All drawings submitted for approval shall be accompanied by sufficient data and information for the department of industry, labor and human relations to judge if the capacity of the equipment and the performance of the system will meet the requirements of this code. The following data shall be submitted:
- (a) Heat loss calculated in BTU per hour.
 - (b) Calculated air volume at design temperature for each occupied area.
 - (c) Calculated direct and indirect radiation required for each occupied area.
 - (d) Calculations for ventilation requirements.
 - (e) Summation of total heating and ventilation requirements.

NOTE: Cross reference: The department of industry, labor and human relations will accept the method and standards recommended by the Mechanical Contractors' Association of America, American Society of Heating, Refrigeration and Air Conditioning Engineers, National Warm Air Heating and Air Conditioning Association and Institute of Boiler and Radiator Manufacturers as the basis for calculations and design data.

- (8) FUNDAMENTAL DATA REQUIRED. When requested, additional data pertaining to design and operation of a heating and ventilating system shall be filed for approval with the department of industry, labor and human relations by the architect, engineer, designer or manufacturer before such equipment is installed or used.
- (9) APPROVAL OF MATERIAL AND EQUIPMENT. The use of materials, equipment, devices and methods of installation not mentioned in this code is

subject to approval in writing by the department of industry, labor and human relations. Sufficient test data and descriptive information shall be submitted to prove its use.