To: Borough Superintendents  
Date: October 5, 1971  

From: Thomas V. Burke  
Subject: Data on Mechanical Plans.

1. Section C26-116.2(a) requires that plans for air conditioning and ventilating systems indicate the index for ventilation for each room or space. In cases where there are rooms with the same number of square feet of floor area per person, it shall be sufficient to indicate a typical ventilation index computation for a specific room or space in a building where the ceiling heights are uniform and the net floor area per occupant is typical and where the supply of air per cubic foot per minute per sq. ft. is the same, even though the rooms may be of varying dimensions. Plans will be required to indicate the amount of air to be exhausted or supplied from each outlet, for each room or space, and the typical ventilation index for the rooms.

2. Plans for heating systems shall indicate the amount of heat in Btu per hour to be provided in every room to maintain the minimum space temperature requirement listed in Table 11-1 of Section C26-1204.1. Computations shall be based on Reference Standard RS 12-1, but need not be shown on submitted plans. In cases where specific questions arise as to the adequacy of design figures, computations may be requested.

3. General notes on plans indicating compliance with the code by use of materials and equipment and methods of installation, shall be indicated with sufficient detail to show the nature and extent of required construction and applicable section number. It shall not be required to list the complete and exact wording of each code section. Details of fire guarding and other construction must be shown to indicate what is required.

4. Weights of mechanical equipment are to be shown on the mechanical plans since structural drawings do not normally indicate these weights of specific model numbers. The plan examiner is to compare the mechanical plans with the structural drawings in order to determine whether allowances for the mechanical equipment have been made in the structural design of the building. In cases where small units are used for individual tenant space, and structural calculations are not fitted for the required work, the examiners shall require that where air loading exceeds the approved load factor, that computations be added to show the adequacy of the structural supports.

Thomas V. Burke  
Director of Operations

CC: Exec. Staff

Industry
Mr. Howard Molk, Chairman,
Mechanical Codes Committee,
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