

THE CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

DEPARTMENTAL MEMORANDUM

DATE: September 5, 1980

TO: Borough Superintendents

FROM: *BAP* Blaise F. Parascandola
Deputy Commissioner

SUBJECT: Procedure for Compliance with Filing Requirements for
Smoke and Heat Venting provisions of Local Law # 5
as Amended by Local Law # 86/1979 and effective
September 13, 1980

The following procedure is to be followed in order to provide an expeditious means of filing and review for compliance with the Local Law # 5 provisions required to be complied with by September 13, 1980.

The timetable for compliance has now reached the point where plans and permits for smoke control or pressurization plus compartmentation (or sprinklerization) must be filed and a permit obtained by September 13, 1980. (See Attachment A for complete timetable of compliance with Local Law # 5).

The requirements shall be met in two phases consisting of an initial filing of the schematic layout of the proposed system (Phase I) indicating by means of vertical and horizontal cross sections the basic components of the proposed system. No detailed plans are required, but computations showing compliance with requirements of Reference Standard RS 5-18 (as amended by LL # 84/1979) together with pertinent notes and general performance specifications shall be submitted if the pressurization alternate is selected. (The basic design elements of Reference Standard RS 5-18 are shown on Attachment B).

Smoke and Heat Venting
Upon acceptance by the department of Phase I a permit can be obtained, prior to the start of actual work. The applicant shall submit the final plans (Phase II) pursuant to Directive # 14, and commence work in order to complete the installation on schedule. Inspection of the installation shall be subject to controlled inspection. Testing of the finished installation shall be witnessed by a representative of the Building Department designated by the Borough Superintendent.

Sprinklers

Examination of sprinkler applications for compliance with the Local Law # 5 option shall remain unchanged the applicability of Directive # 14 shall apply as provided in previous memorandums. Where the backlog of applications awaiting examination exceeds one week then this office shall be notified so that the appropriate number of applications can be transferred to the Borough of Brooklyn for examination.

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TIME TABLE FOR COMPLIANCE WITH LOCAL LAW # 5
AS AMENDED BY LOCAL LAW NO. 86/1979

<u>Type of Building</u>	<u>Requirements</u>	<u>Timetable Under Local Law No. 84, 86/1979</u>
Office Buildings Over 100' Feet with or without Central Air Conditioning	Interior Stairway Re-entry Signs at elevators and stairways Showroom sprinklers Interior fire alarm and -communication systems, Fire Command station Elevator readiness	2/7/73 2/7/73 2/7/73 6/13/80 9/13/80 9/13/81
Office Buildings Over 100 feet with Central Air Conditioning	Elevator interlock wiring <u>Option A</u> Smoke Control New Buildings (Smoke Shaft) Existing Buildings (Pressurization PLUS Compartmentation on sprinklerization of individual floors.)	6/13/81 9/13/80 9/13/82 9/13/82 9/13/80 9/13/80 12/13/81 8/7/84 2/7/88

TIMETABLE FOR COMPLIANCE WITH LOCAL LAW # 5
AS AMENDED BY LOCAL LAW NO. 86/1979
 (cont'd)

<u>Type of Building</u>	<u>Requirements</u>	<u>Timetable Under Local Law Nos. 84, 86/1979 *</u>
<u>Option B</u>		
Sprinklerise entire building	Plans must be filed and permit taken out within 9 months from effective date. Work on 1/3 of building must be completed within 2 years of effective date 2/3 within 3 years and the entire building within 4 years.	9/13/80 12/13/81 12/13/82 12/13/83

*Effective date December 13, 1979

ATTACHMENT B

Basic Design elements of Pressurization Systems (For complete data see KS 5-18 as amended by Local Law # 84/1979)

Air Supply

Fans supplying 100% outdoor air at one or more levels shall be activated by detectors and controlled from local start/stop station at the fans and the fire command station.

Total air supply shall not be less than 24,000 cfm plus 200 cfm per story per stair.

Maximum velocity of Air at opening into stair shall not exceed 3,000 feet per minute.

Operating Conditions

Max positive differential pressure = .4

Min positive differential pressure (1)

All doors closed = .1

Three doors opened = .05

(1) Or a min. average velocity of 400 ft per minutes in the plane of any open door with three doors open.

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