



The design, details and notes included herein are in compliance with Local Law 17/95

STANDARD NYC SEISMIC NOTE

1. Seismic protection of all HVAC equipment, piping and ductwork shall be provided and shall comply with the applicable provisions of the New York City Building Code Reference Standard RS 9-6, latest revisions, and as revised below:

Table 23-P

a) adding after III.1

- 3. Sprinkler piping 2.00
- 4. Gas and high hazard piping 2.00
- 5. Other piping 0.67
- 6. HVAC ducts 0.67

b) adding the following notes after note 4 at the bottom of the table:

- 5. The design of seismic restraints for sprinkler piping in compliance with NFPA 13 using a design acceleration of 0.15 is acceptable in lieu of compliance with these provisions.
- 6. Seismic restraints are not required for any of the following conditions for other piping systems of HVAC ducts:
 - 1. Piping or ducts suspended by individual hangers 12 inches or less in length from the top of the pipe or duct to the supporting structure.
 - 2. Piping in boiler and mechanical rooms which has less than 1-1/4 inches inside diameter.
 - 3. Piping in other areas which has less than 2-1/2 inches inside diameter.
 - 4. Ducts which have a cross-sectional area less than 6 square feet.
- 2. Where equipment is resiliently mounted on springs or other types of vibration isolation supports, such supports shall have limits and stops to resist seismic deflection and forces.
- 3. Seismic protection devices shall resist the seismic forces determined under the New York City Building Code, as modified above, when applied in any direction without failure or permanent displacement of the protected system.
- 4. All seismic protection devices shall be the product of one manufacturer and shall have State of California Office of Statewide Health Planning and Development (OSHPD) preapproval "R" numbers certifying their maximum horizontal and vertical load ratings. The manufacturer of the seismic protection devices shall be a specialist in seismic mountings with at least five years experience on projects of a similar scope.
- 5. The Contractor shall submit for approval seismic protection calculations prepared by a Professional Engineer licensed in the State of New York. The Professional Engineer shall sign and seal his calculations. Additionally, the Contractor shall submit for approval seismic protection device shop drawings, catalog cuts and location plans.

10 APR 2006 FOR CONSTRUCTION
 3 FEB 2006 BANK REVIEW
 20 SEP 2005 100% BIDDING SUBMISSION
 27 JUN 2005 ISSUED TO CONSULTANTS

DATE ISSUES / REVISIONS

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TITLE: **M-9A**

SEISMIC DETAILS

PROJECT NO.: 05012 SCALE: NONE

SEAL: BY: YL CHECK: PJ

DATE: 27 JUN 2005

DWG. NO.: