

MAYOR'S OFFICE OF EMERGENCY MANAGEMENT

SUPPLEMENT TO THE HVAC SPECIFICATION

SECTION 15120

1. Paragraph 1.1.A.5 - Delete "and the discharge plenum at the emergency generators."

Add the following:

Discharge plenum at the emergency generators shall be double wall construction 4" thick, built of 16 GA galvanizes sheet metal with high temperature block insulation.

Plenum shall be built as per SMACNA standards for 2" w.g. pressure classification. All joints, seams, connections and abutments to the building structure shall be sealed with suitable pressure and temperature compounds and gaskets.

Pipe penetrations shall be sealed to prevent air leakage and condensation movement through the seal. Inner sheet shall be of G90 coated galvanized steel with welded connections. All weld on casing interior shall be painted.

Plenum shall be constructed to withstand 133% of the rated pressure without structure failure. Wall and roof deflections at the rated pressure shall not exceed 1/8" per foot.

High temperature block insulation shall be 11 lbs. Per cu. ft. Density molded hydrous calcium silicate with a maximum K factor of 0.42 at 200 degrees F mean temperature.

Insulation shall be securely wired in place with copper clad wire or galvanized steel bands (1/2" x .015) on 12" centers.

All joints and voids of insulation shall be filled and pointed with mineral wool cement.

SECTION 15150

1. Add paragraph 1.1.M

Dampers shown on drawings designated as "F/SM" shall comply with the following:

Dampers shall be pneumatically operated combination fire and smoke Ruskin, Imperial, or approved equal. They shall be provided with factory installed U.L. rated full sleeves. Provide air foil or "V" Blade damper blades supported with shafts and stainless steel bearings to allow daily operation. Provide intermediate supports for damper blades more than 36" long. They shall conform to UL Standard 555S as leakage rated dampers in smoke control systems and when closed shall be the equivalent of a 1-1/2 hour fire damper. Leakage shall conform to Class 2 with maximum leakage of 10CFM/Sq. Ft. at

1" W.G. Damper actuators (U.L. approved) and EP's shall be provided by the damper manufacturer.

Dampers shall have a fusible link which melts on heat causing damper to close and lock in a close position.

2. Add paragraph 1.2.A.11

Air conditioning units AC-4, AC-5 and AC-6 are equipped with the water side economizer coil. Provide an adjustable aquastat (set for 55°±) on condenser water supply line to activate free cooling mode. If free cooling operation cannot satisfy space load, mechanical cooling shall be activated.

SECTION 15190

1. Paragraph 1.3.B revised as follows:

.....130 GPM of water from 99.8°F to 84.4°F at 78°F wet bulb.....

2. Paragraph 1.3.C revised as follows:

change: "galvanized steel" to "stainless steel."

3. Paragraph 1.3.D

add: "Provide a variable pitch fan drive."

4. Paragraph 1.3.F

change: "PVC" to "galvanized."

5. Paragraph 1.3.G

change: "2 HP pump motor"... to "1-1/2 HP pump motor."

6. Paragraph 1.3.H

change: ".....Specially formulated PVC to "galvanized steel."

7. Paragraph 1.3.0

Delete in its entirety.

8. Paragraphs 1.4.A.11

balanced supply and demand, as defined for Light Hazard and Ordinary Hazard areas in New York City Building Code Reference Standards RS 17-1 and RS 17-2. Such drawings and calculations must be reviewed and approved by all governing authorities, Fire Department, Owners Insurance Underwriters, Factory Mutual and Industrial Risk Insurers before any work is commenced at the jobsite. The mains and risers supplying the fire department valves will remain as sized on the drawings.

2. Subsection 2.4, Paragraph D

Revise to read as follows:

- D. Provide stock of extra sprinkler heads, sprinkler wrenches in accordance with New York City Building Code Reference Standard RS 17-2, 1989 Edition of N.F.P.A. Pamphlet No. 13) Section 3-11.7. Cabinets shall be reliable or other approved.

Section 15340

1. Subsection 1.4, Paragraph A

Revise to read as follows:

- A. Applicator: Company specializing in sprinkler installation with ten years minimum experience.

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