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JOB MEMORANDUM

TO: Mr. Michael W. Maybaum **SUBJECT:** Mayor's Office of
Emergency Management

FROM: Val Lemeshev **JOB NO:** 1854

CC: Mr. Joe Aliotta, SHCA **DATE:** February 12, 1999
Mr. Martin Schneider, Ambassador Revised February 16, 1999

Ambassador Construction Corp. requested our participation in the field meeting to review scope and coordinate work associated with the facility monitoring system and to be performed by Johnson Controls, Inc.

Meeting was scheduled and took place on February 11, 1999, but representative from Johnson Controls, Inc. was not in attendance.

As per request of Mr. Glen Pimento we have reviewed operation at air conditioning equipment serving the LAN room.

The following are our findings and recommendations:

At the time of survey all three (3) air conditioning units were in operation.

It should be noted, that maximum two (2) AC units shall be in operation simultaneously - one unit is a stand-by and should be activated only when one of the running units fails or when high room temperature is detected.

Monitoring of the operation of AC units and room conditions is the work to be performed by Johnson Controls Inc.

Mechanics from the Aback Enterprises were on the job site setting-up and adjusting the units. They were verbally instructed to shut-down one AC unit (AC-2) and to set one unit (AC-3) at 72° F and second one (AC-1) at 75° F. Adjustable vanes at the discharge grilles should be adjusted to direct air horizontally and away from any obstruction such as equipment racks, cable trays, etc. to prevent short circuiting of the air and, as a result, short circling of the compressor and unit shut-down without any remote alarm.

It was mentioned by Mr. Glen Pimento that not all the communication equipment, scheduled for installation, is actually in the LAN room but OEM is considering to install additional equipment (UPS).

There is sufficient capacity of the AC equipment in the LAN room to handle the existing and future load.

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After all construction work (set-up adjustment, control and monitoring system, etc.) will be completed and information regarding additional LAN/Communication equipment will be available, we will evaluate the conditions and, if necessary, will issue recommendations for upgrade/improvement.

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Cosentini Associates LLP
Consulting Engineers

**UPS FOR AUDIO VISUAL
OEM
FEBRUARY 16, 1999**

Add 50 KVA UPS system with 20 minute battery supply. An 8' x 9' room with conditioned air will be required to house this equipment. A feeder from the UPS to the panel presently provided for the AV equipment will be required. Wire UPS to all AV equipment. Provide a 2 ton water cooled DX unit supplied by emergency power. Exact location of UPS and A/C unit has not yet been determined.

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