



<Addendum # 1>

NJSDA
1 West State Street
Trenton, NJ 08625
Phone: 609.777.1922

Date: July 27, 2011

PROJECT #: NE-0001-Y01

DESCRIPTION: Newark, Science Park High School –
Special Inspector for Smoke Control Systems

This addendum shall be considered part of the Request for Proposal Documents issued in connection with the referenced project. Should information conflict with the Request for Proposal Documents, this Addendum shall supercede the relevant information in the Request for Proposal.

All Requests for Information (“RFI”) questions that were received by the Authority are collected and reprinted herein. Questions are identified with quotation marks and *italicized* fonts.

1. Question: “*The 200[sic] IBC requires a 5,000 BTU/Sec Fire, but the Rational Analysis was performed using a 3,600 BTU/Sec fire. The code allows this provided the code official has accepted it. Has this been accepted by DCA?*”

Answer: Yes.

2. Question: “*Page 1 indicates that the smoke layer is to be 10 ft above the floor level per the 200[sic] IBC, but page 5 indicate a 6 ft height. Has this been accepted by DCA?*”

Answer: Yes. The calculation for the mass flow rate and exhaust rate is based on using the 10 ft. above the 3rd floor’s finished floor in the plume mass flow and exhaust calculations. The 6 ft. number included in section 4.3 relates to smoke filling and the analysis related to the selection and rational for the smoke detection for system activation.

3. Question: “*It appears that the makeup is a combination of doors and louvers which open and Energy Recovery Units which provide makeup air:*”

- a. *Are the fans under the control of the fire alarm or building automation system?*
- b. *The main entrance doors indicate open and close on the smoke control panel, but not normal or fault. Is that provided?*
- c. *The smoke control panel shows louvers opening into the atrium. How are they controlled?*
- d. *Is there verification of power to fans, doors, dampers, etc per Section 909.12 of the IBC?*

Answer:

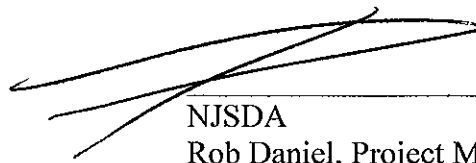
- a. The fans are under the control of the fire alarm system.
- b. No, normal and fault modes were not required by the DCA reviewer.
- c. The louver dampers are controlled by the fire alarm system.
- d. The new firefighter’s smoke control station being provided by the current contractor is to provide verification of power as indicated on drawing E404A.

4. Question: “On the Special Inspection - Acceptance Testing Checklist, 909.18.2, 909.18.3, 909.18.4, 909.18.5, 909.18.8.1 (Duct Leakage Testing and Flow Measurement) are filled in with ABR indicating the former balance reports. Are we still to perform these tasks?
Answer: Duct leakage testing is not required since it was done when the building was constructed.
5. Question: “If duct leakage testing is needed, the ductwork for the ERU's and the intake plenum for the exhaust fans will have to be blanked off for the testing. We presume the project mechanical contractor will perform these tasks
Answer: Not required.
6. Question: “Should the IBC 2006 be applicable to this project?
Answer: No. This project was designed and approved under the International Building Code 2000.
7. Question: “Which firm redesigned the smoke control system?
Answer: Einhorn Yaffee Prescott Architecture and Engineering prepared the revised smoke control drawings which were released by the DCA.
8. Question: Does the person performing the testing and balancing and the special inspection have to be the same person? Can we propose several persons along with the Special Inspector?
Answer: The role of the Special Inspector is to be one person. This Special Inspector can be supplemented by others however the consultants are reminded that the NJSDA will not award a contract in excess of \$20,000 (page 1 of the RFP). The person/s performing testing and air balancing must be certified.
9. Question: “Did the DCA approve the system?
Answer: The DCA has released the current set of drawings and specifications, for construction. The role of the special inspector is to verify the implementation of the design intent on behalf of the DCA and certify the compliance of the smoke control system with IBC 2000.

The following files are being transmitted electronically at the request of the attendees:

- FA1 – Fire Alarm System
- FA2 – Fire Alarm Calculations
- H413A – Penthouse Smoke Exhaust Plan
- E403A – Fire Alarm System Riser Diagram
- E404A – Firefighter’s Smoke Control Panel Graphics

End of Addendum No. 1 (One)



NJSDA
Rob Daniel, Project Manager

27 July 2011

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Acknowledgement of Receipt of Addendum

Contractor must acknowledge the receipt of the Addendum by signing in the space provided below and returning via fax to 609-656-4609. Signed acknowledgement must be received prior to the Bid Due Date. Acknowledgement of the Addendum must be made in Section E.6 of the Price Proposal Submission.

Signature

Print Name

Company Name

Date