

350 Albany St.



ATHENICA
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February 7, 2003

United States Environmental Protection Agency (USEPA)
Region 2
290 Broadway
New York, NY 10007-1866

Attn: Mr. Eric Wilson-Quadrant Coordinator
Tel# (212) 637-3150
Fax# (212) 637-3105

Re: 350 Albany street, Manhattan, NY
Evaluation Report for Building HVAC & Environmental Inspection for WTC Related Dust

Dear Mr. Wilson:

Athenica Environmental Services, Inc. and Duct Dusters performed Building HVAC & Environmental inspections on February 3 & 6, 2003.

Qualifications:

Duct Dusters (DD) is a NADCA certified corporation. Mr. Matt Provenzano and Tony Gallo of DD performed the inspections of the HVAC and exhaust systems in conjunction with New York State certified Asbestos Inspector Mr. Vasilis Bellos of Athenica Environmental Services, Inc (AES) and Mr. Matthew Schoen of USEPA.

Background:

350 Albany street is a sixteen (16) story building with 138 residential units managed by RY Management at (212) 534-7771. The manager of the building is Ms. Teresa Tota at 212-534-7771 ext 118. Mr. Robert Alloca at 212-945-2329 is the superintendent of the building.

Post 9/11 Maintenance History:

Post 9/11 maintenance activity reports were available at the time of our inspection. On February 3, 2003 The superintendent of the building Mr. Robert Alloca at 212-945-2329 provided us with a copy. According to an October 11, 2001 invoice, Chute Master cleaned the kitchen and bathroom exhaust air duct risers, roof fans, and diffusers on September 25, 2001. Additionally, a March 21, 2001 invoice indicates Chute Master cleaned the exhaust ducts of the six townhouses (320- 340 Albany St.) on November 27, 2001. These invoices are attached to this report.

350 Albany street, Manhattan, NY
February 7, 2003

Inspection Details:

As part of the survey, the Mechanical and the Environmental Professionals inspected the following HVAC system types.

- A. A total of seven (07) mechanical exhaust fans serving the kitchens and bathrooms and laundry rooms located on the main roof and one (1) passive shaft exhaust located on the main roof. Two (02) mechanical exhaust fans serving the kitchen and the bathrooms located on the 7th floor roof. Eight (08) mechanical exhaust systems serving the kitchen and the bathrooms located on the 6th floor roof.
- B. One (1) HV unit located on the 16th floor roof and served the elevator room. The system is out of order.
- C. One (1) AC unit is located on the 16th floor roof and serves the penthouse # 01.
- D. One (1) AC unit is located on the 16TH floor serves the penthouse # 02.
- E. One (1) HV -1 unit is located in the machine room on the 1st floor, serves the hallways 1st floor to 16th floor.
- F. One (1) HV-2 unit is located in the machine room on the 1st floor, serves the rooms corridor and gym in the basement.
- G. One (1) HVAC unit is located above the ceiling in the coatroom next to the front desk serves the lobby.

All identification data and visual inspections are documented in the attached checklists.

Summary of Findings:

All the mechanical exhaust fans (except the fan # 07 which is serving the laundry rooms) and their associated components and ductworks are covered with WTC related dust.

AC unit which is serving the penthouse # 01. The components of the unit and its associated duct need to be cleaned for WTC related dust.

All the other systems inspected appear to be free of WTC dust.

All the findings are documented in the attached evaluation forms.

Scope of Work:

Clean all the mechanical exhaust fans (except the fan # 07 which is serving the laundry rooms) and their associated components and ductworks. The fans are located on the 16th floor, on the 7th and 6th floor roofs. A total of approximately 2600.00 linear feet of duct needs to be cleaned.

One (1) AC unit and its associated ducts. A total of 30.00 linear feet of duct needs to be cleaned.

Please feel free to contact me should you require any further information.

Sincerely,


Vasilis Bellos

Director of Operations

Attachments: 1) Ventilation System Evaluation forms
2) Maintenance activity reports

VENTILATION SYSTEM EVALUATION FORM

Please complete this form in accordance with instructions in the accompanying guidance document

Part 1.0 General Information

Date of evaluation: <u>2/3/03 & 2/06/03</u>		Building contact name and phone: <u>TERESA TOTA 212-534-7771 ext 118</u> <u>ROBERT ALLOCA 212-945-2329</u>	
Evaluation team (list name and affiliation): <u>VASILIS BELOS - ATHENICA ENVIRONMENTAL SERV, INC (Environmental professional)</u> <u>TONY GALLO & MATT PROVENZANO - DUCT DUSTERS (HVAC professional)</u>			
Building address: <u>350 ALBANY STREET</u> <u>NEW YORK, NY</u>		Type of Facility (check all that apply): ☒ Residential ☐ Multi-use ☐ Other (describe)	
Date of construction:			
Number of residential units: <u>138</u>		Number of floors: <u>16</u>	
Prior inspection report/maintenance records available for review?:			
Other comments			
Ventilation system types (check all that apply and indicate total no. of units)			
☒ Central ventilation system Est. no. of units <u>6</u>		☒ Mechanical exhaust system Est. no. of units <u>17</u>	
☐ Mechanical make-up air system Est. no. of units		☒ Passive shaft/duct Est. no. of units <u>1</u>	
☐ Other (describe)			

I certify that to the best of my knowledge, the information and observations recorded on this form including all attachments are a true and accurate representation of site conditions.

[Signature]
Ventilation System (HVAC) Evaluator

2/06/03
Date

Part 2.0 Visual Inspection Forms

Use the attached forms to document visual inspections. Complete the forms in accordance with instructions in the accompanying guidance document.

2.4 Passive Shaft/Duct Visual Inspection Form

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Passive Shaft/Duct Identification:			
FRESH AIR INTAKE			
Location: ELEVATOR ROOM - 350 ALBANY STREET		Area Served: ELEVATOR ROOM	
System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]		Surface Dust/Debris Present?	WTC Dust Present?
Outside air intake (if servicing supply air): Location:			Component • not present • not found • inaccessible
Accessible for inspection? Y ☒ N ☐ (explain):			
- louvers, grates, screens or weather cap		Y	N
Exhaust outlet/louver (if servicing exhaust air): Location:		Y	N
Accessible for inspection? Y ☒ N ☐ (explain):			
- louvers, grates, screens or weather cap		Y	N
Supply air distribution (if servicing supply air):			
- Supply air outlet(s) Est. total qty <u>1</u> No. locations inspected <u>1</u>			
Specify shaft substrate (circle): <u>metal</u> fibrous glass lined metal masonry fibrous glass board flex-duct wood		Y	N
- Accessible fire dampers Est. total qty _____ No. locations inspected _____			
- Pipes/mechanical equipment, etc. located in shaft			NP
Return air distribution (if servicing exhaust air):			NP
- Exhaust air inlet(s) Est. total qty <u>1</u> No. locations inspected <u>1</u>			
Specify shaft substrate (circle): <u>metal</u> fibrous glass lined metal masonry fibrous glass board flex-duct wood		Y	N
- Accessible fire dampers Est. total qty _____ No. locations inspected _____			
- Pipes/mechanical equipment, etc. located in shaft			NP
Other (specify):			NP
Other Information:			
General impression (indicate recommendations for cleaning based on finding of WTC dust):			
- No WTC DEBRIS WAS OBSERVED			
- No CLEANING FOR WTC DEBRIS IS REQUIRED.			
KEY: NP = not present; NF = not found; I = inaccessible; U = unknown			

2.2 Mechanical Exhaust System Visual Inspection Form

Page 1 of 1

Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #1

Location:

16TH FLOOR - 202F - 350 ALBANY STREET

Area Served:

2ND FL to 15TH FL & PENTHOUSE #1Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet:

Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total ln ft 160 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 15 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 15 No. locations inspected 0

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN ABOVE AND BELOW THE LOUVERS. SOME ATTEMPT WAS MADE TO CLEAN WTC DEBRIS.
- WTC RELATED DUST WAS OBSERVED IN THE DUCTWORK.
- CLEANING FOR WTC RELATED DUST IS RECOMMENDED.
- CLEAN THE COMPONENTS OF THE FAN AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #2

Location:

16th FLOOR - ROOF - 350 ALBANY STREET

Area Served:

APTS 9th to 15th & PENTHOUSE #1Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet: Location:

Accessible for inspection? Y ✓ N (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 160 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 15 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 15 No. locations inspected 0

Other (specify):

Other Information:

THE MOTOR OF THE FAN IS WORKING, THE FAN IS NOT WORKING.

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN ABOVE AND BELOW THE LOUVERS.
- WTC RELATED DUST WAS OBSERVED IN THE DUCTWORK.
- CLEANING FOR WTC RELATED DUST IS RECOMMENDED
- CLEAN THE EXHAUST FAN ITS COMPONENTS AND ITS DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #3

Location:

16th FLOOR - 2207 - 350 ALBANY STREET

Area Served:

APTS 2nd FL TO 15th FL & PENTHOUSE #1Associated mechanical room: clean ☐ Y ☐ N dry ☐ Y ☐ N stored chemicals/refuse ☐ Y ☐ N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet: Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total ln ft 160 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 15 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 15 No. locations inspected 0

Other (specify):

Other Information:

THE ENTIRE UNIT OF THE FAN IS NOT WORKING.

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN ABOVE AND BELOW THE LOUVERS.

- WTC RELATED DUST WAS OBSERVED IN THE DUCTWORK

- CLEANING FOR WTC RELATED DUST IS RECOMMENDED

- CLEAN THE COMPONENTS OF THE FAN AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

MECHANICAL EXHAUST SYSTEM VISUAL INSPECTION FORM

Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #4

Location:

16TH FLOOR - E2CF - 350 ALBANY STREET

Area Served: not

APTS. 2, 1, FL TO 15TH FLOOR & PENTHOUSE #2Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet:

Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 160 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 15 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 15 No. locations inspected 0

Other (specify):

Other Information:

THE UNIT IS NOT WORKING.

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN ABOVE AND BELOW THE LOUVERS.

- WTC RELATED DUST WAS OBSERVED IN THE DUCTWORK

- CLEANING FOR WTC RELATED DUST IS RECOMMENDED

- CLEAN THE COMPONENTS OF THE FAN AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

Mechanical Exhaust System Visual Inspection Form

Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #5

Location:

15th FLOOR - 2207 - 350 ALBANY STREET

Area Served:

APTS 2nd to 15th FL & PENTHOUSE #2Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet:

Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 160No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 15No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 15No. locations inspected 0

Other (specify):

Other Information:

THE UNIT IS NOT WORKING

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN ABOVE AND BELOW THE LOUVERS.

- WTC RELATED DUST WAS OBSERVED IN THE DUCTWORK

- CLEANING FOR WTC RELATED DUST IS RECOMMENDED

- CLEAN THE COMPONENTS OF THE FAN AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #6

Location:

16th FLOOR-ROOF-350 ALBANY STREET

Area Served:

2nd FL to 15th FL & PENTHOUSE #2Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: If component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet: Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 160 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 15 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 15 No. locations inspected 0

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN ABOVE AND BELOW THE LOUVERS.

- WTC RELATED DUST WAS OBSERVED IN THE DUCTWORK

- CLEANING FOR WTC RELATED DUST IS RECOMMENDED

- CLEAN THE COMPONENTS OF THE FAN AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #7

Location:

15th FLOOR - ROOF - 350 ALBANY STREET

Area Served:

LAUNDRY ROOMS

Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet: Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 160 No. locations inspected 0Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 15 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty No. locations inspected

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- NO WTC RELATED DUST WAS OBSERVED IN THE UNIT AND ITS DUCTWORK

- THE MOTOR IS WORKING. THE FAN IS NOT WORKING

- NO CLEANING IS REQUIRED

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

MECHANICAL EXHAUST SYSTEM VISUAL INSPECTION FORM

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN # 1

Location:

7th FLOOR - ROOF - 350 ALBANY STREET

Area Served:

KITCHENS & BATHROOMS

Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Exhaust air outlet:

Location:

Accessible for inspection? Y ✓ N (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 70 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 6 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 6 No. locations inspected 0

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC DEBRIS WAS OBSERVED IN THE COMPONENTS OF THE FAN, ABOVE AND BELOW THE LOUVERS
- WTC DEBRIS WAS OBSERVED IN THE DUCTWORK.
- CLEANING FOR WTC DEBRIS IS RECOMMENDED.
- CLEAN THE EXHAUST UNIT, ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #2

Location:

7th FLOOR - ROOF - 350 ALBANY STREET

Area Served:

KITCHENS & BATHROOMS

Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet:

Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

Y

Y

- outside air duct

Y

Y

- outside air damper(s)

NP

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

Y

Y

- blower housing acoustical lining

Y

Y

- vibration collars

NP

Exhaust air distribution:

- Exhaust air ducts Est. total ln ft 70 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass boardflex-duct wood

Y

Y

- Accessible in-line fire dampers Est. total qty 6 No. locations inspected 0

I

- Accessible turning vanes Est. total qty 1 No. locations inspected 0

NP

- Exhaust air grilles Est. total qty 6 No. locations inspected 0

I

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC DEBRIS WAS OBSERVED IN THE COMPONENTS OF THE FAN, ABOVE AND BELOW THE LOUVERS.

- WTC DEBRIS WAS OBSERVED IN THE DUCTWORK.

- CLEANING FOR WTC DEBRIS IS RECOMMENDED

- CLEAN THE EXHAUST FAN UNIT, ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #3

Location:

6th FLOOR - ROOF - 550 ALBANY STREET

Area Served:

KITCHENS & BATHROOMS

Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet: Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

Y

Y

- outside air duct

Y

Y

- outside air damper(s)

NP

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

Y

Y

- blower housing acoustical lining

Y

Y

- vibration collars

NP

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 60 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board

flex-duct wood

Y

Y

- Accessible in-line fire dampers Est. total qty 5 No. locations inspected 0

I

- Accessible turning vanes Est. total qty No. locations inspected

NP

- Exhaust air grilles Est. total qty 5 No. locations inspected 0

I

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- THE UNIT IS NOT WORKING. SOME ATTEMPT WAS MADE TO CLEAN WTC DEBRIS.
- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN; ABOVE AND BELOW THE LOUVERS.
- WTC RELATED DUST WAS OBSERVED IN THE DUCTWORK
- CLEANING FOR WTC RELATED DUST IS RECOMMENDED.
- CLEAN THE EXHAUST FAN UNIT, ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

Mechanical Exhaust System Visual Inspection Form

Page 1 of 1

Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #4

Location:

6th FLOOR - ROOF 350 ALBANY STREET

Area Served:

KITCHENS & BATHROOMSAssociated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N**System Components**

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet: Location:

Accessible for inspection? Y ✓ N (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 60 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 5 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 5 No. locations inspected 0

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- THE UNIT IS NOT WORKING.
- HEAVY ACCUMULATION OF WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN AND ITS DUCTWORK.
- CLEANING FOR WTC DEBRIS IS RECOMMENDED.
- CLEAN THE EXHAUST FAN UNIT AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

Mechanical Exhaust System Visual Inspection Form

Page 1 of 1

Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #5

Location:

6th FLOOR - ROOF 350 ALBANY STREET

Area Served:

KITCHENS & BATHROOMS

Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: If component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet:

Location:

Accessible for inspection? Y ✓ N (explain):

- louvers, grates and/or screens

Y

Y

- outside air duct

Y

Y

- outside air damper(s)

NP

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

Y

Y

- blower housing acoustical lining

Y

Y

- vibration collars

NP

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 60 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board

flex-duct wood

Y

Y

- Accessible in-line fire dampers Est. total qty 5 No. locations inspected 0

I

- Accessible turning vanes Est. total qty No. locations inspected

NP

- Exhaust air grilles Est. total qty 5 No. locations inspected 0

I

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC DEBRIS WAS OBSERVED IN THE COMPONENTS OF THE FAN, ABOVE AND BELOW THE LOUVERS. SOME ATTEMPT TO CLEAN WAS MADE, BUT WTC STILL IS PRESENT.

- WTC DEBRIS WAS OBSERVED IN THE DUCTWORK.

- CLEANING FOR WTC DEBRIS IS RECOMMENDED.

- CLEAN THE EXHAUST FAN UNIT AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #6

Location:

6 FLOOR - POOT 350 ALBANY STREET

Area Served:

KITCHENS & BATHROOMS

Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet: Location:

Accessible for inspection? Y ✓ N (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 60 No. locations inspected 1Specify type (circle): (metal) (fibrous glass lined metal) masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 5 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 5 No. locations inspected 0

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- THE UNIT IS NOT WORKING.
- SOME ATTEMPT TO CLEAN WAS MADE, WTC RELATED DUST ABOVE THE LOUVERS, BUT HEAVY ACCUMULATION OF WTC DEBRIS WAS OBSERVED BELOW THE LOUVERS.
- WTC DEBRIS WAS OBSERVED IN THE COMPONENTS OF THE FAN AND ITS ASSOCIATED DUCTWORK.
- CLEANING FOR WTC DEBRIS IS RECOMMENDED. :..
- CLEAN THE EXHAUST FAN UNIT AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #17

Location: #4

6 FLOOR - ROOF - 350 ALBANY STREET

Area Served:

KITCHENS & BATHROOMS

Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet: Location:

Accessible for inspection? Y N (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 60 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 5 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 5 No. locations inspected 0

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- THE UNIT IS NOT WORKING.

- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN, ABOVE AND BELOW THE LOUVERS.

- WTC RELATED DUST WAS OBSERVED IN THE DUCTWORK.

- CLEANING FOR WTC RELATED DUST IS RECOMMENDED.

- CLEAN THE EXHAUST FAN UNIT AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #8

Location:

6th FL FLOOR - 2107 350 ALBANY STREET

Area Served:

KITCHENS & BATHROOMS

Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet: Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total ln ft 60 No. locations inspected 1
Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood

- Accessible in-line fire dampers Est. total qty 5 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 5 No. locations inspected 0

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- THE UNIT IS NOT WORKING
- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN ABOVE AND BELOW THE LOUVERS.
- WTC RELATED DUST WAS OBSERVED IN THE DUCTWORK.
- CLEANING FOR WTC RELATED DUST IS RECOMMENDED.
- CLEAN THE EXHAUST FAN UNIT AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

Location:

MECHANICAL EXHAUST FAN #9

Area Served:

KITCHENS & BATHROOMS

Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: If component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet:

Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total ln ft 60 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 5 No. locations inspected 0- Accessible turning vanes Est. total qty No. locations inspected - Exhaust air grilles Est. total qty 5 No. locations inspected 0

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF THE FAN ABOVE AND BELOW THE LOUVERS.
- WTC RELATED DUST WAS OBSERVED IN THE DUCTWORK.
- CLEANING FOR WTC DEBRIS IS RECOMMENDED.
- CLEAN THE EXHAUST FAN UNIT AND ITS ASSOCIATED DUCTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification:

MECHANICAL EXHAUST FAN #10

Location:

6th FLOOR-222F-350 ALBANY STREET

Area Served:

KITCHENS & BATHROOMS

Associated mechanical room: clean Y N dry Y N stored chemicals/refuse Y N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Exhaust air outlet: Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

- outside air duct

- outside air damper(s)

Exhaust fan unit:

- blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators

- blower housing acoustical lining

- vibration collars

Exhaust air distribution:

- Exhaust air ducts Est. total in ft 60 No. locations inspected 1Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board
flex-duct wood- Accessible in-line fire dampers Est. total qty 5 No. locations inspected 0- Accessible turning vanes Est. total qty 0 No. locations inspected 0- Exhaust air grilles Est. total qty 5 No. locations inspected 0

Other (specify):

Other Information:

General impression (indicate recommendations for cleaning based on finding of WTC dust):

- WTC DEBRIS WAS OBSERVED IN THE COMPONENTS OF THE FAN, ABOVE AND BELOW THE LOUVERS.
- WTC DEBRIS WAS OBSERVED IN THE DUSTWORK.
- CLEANING FOR WTC DEBRIS IS RECOMMENDED.
- CLEAN THE EXHAUST FAN UNIT AND ITS ASSOCIATED DUSTWORK.

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

Central Ventilation System Visual Inspection Form

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Ventilation System Identification:			
Location: <u>AC</u>		Area Served: <u>PENTHOUSE #1</u>	
Associated mechanical room: clean <u>Y</u> <u>N</u> dry <u>Y</u> <u>N</u> stored chemicals/refuse <u>Y</u> <u>N</u>			
System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Outside air intake: Location: _____			
Accessible for inspection? Y ☒ N ☐ (explain): _____			
- louvers, grates and/or screens	Y	N	
- outside air duct	Y	N	
- outside air damper(s)	Y	N	
Air handling unit:			
- outside air mixing chamber	Y	N	
- filter rack(s)	Y	N	
- filter media	Y	N	
- blower assembly incl. blower wheel, blower housing, air vanes, in-line noise attenuators	Y	N	
- blower housing acoustical lining	Y	N	
- pre-heat coils	Y	N	
- heating coils			NP
- cooling coils			NP
- re-heat coils	N	N	
- condensate drain pan			NP
- supply air plenum			NF
- supply air plenum damper(s)	Y	Y	
- vibration collars			I
Supply air distribution:			NP
- Supply air ducts Est. total ln ft <u>30</u> No. locations inspected <u>1</u> Specify type (circle): <u>metal</u> <u>fibrous glass lined metal</u> <u>masonry</u> <u>fibrous glass board</u> <u>flex-duct</u> <u>wood</u>	Y	Y	
- Accessible in-line fire dampers Est. total qty <u>7</u> No. locations inspected <u>0</u>			I
- Accessible turning vanes Est. total qty <u>1</u> No. locations inspected <u>0</u>			I
- In-line reheat/cooling coils Est. total qty _____ No. locations inspected _____			NP
- Supply air diffusers Est. total qty <u>7</u> No. locations inspected <u>0</u>			I
Return air distribution:			
- Return air ducts Est. total ln ft <u>30</u> No. locations inspected <u>0</u> Specify type (circle): <u>metal</u> <u>fibrous glass lined metal</u> <u>masonry</u> <u>fibrous glass board</u> <u>flex-duct</u> <u>wood</u>	Y	Y	
- Return air plenum Est. total RA plenum areas <u>1</u> No. locations inspected <u>1</u>	Y	Y	
- Return air plenum damper Est. total qty <u>1</u> No. locations inspected <u>0</u>			I
- Accessible in-line fire dampers Est. total qty <u>1</u> No. locations inspected <u>0</u>			I
- Accessible turning vanes Est. total qty <u>1</u> No. locations inspected <u>0</u>			I
- Return air grilles Est. total qty <u>1</u> No. locations inspected <u>0</u>			I

System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/ Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Other (specify):			
Other Information:			
Filter loading (light, moderate, heavy): <u>LIGHT</u> ☐ Abraded/delaminated acoustical lining ☐ Filter bypass (describe)			
General impression (indicate recommendations for cleaning based on finding of WTC dust):			
- WTC RELATED DUST WAS OBSERVED IN THE COMPONENTS OF SYSTEM AND ITS DUCTWORK. - CLEANING FOR WTC RELATED DUST IS RECOMMENDED CLEAN THE UNIT AND ITS DUCTWORK.			
KEY: NP = not present; NF = not found; I = inaccessible; U = unknown			

2.1 Central Ventilation System Visual Inspection Form

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Ventilation System Identification:			
AC			
Location: 15th FL - ROOF - 350 ALBANY STREET		Area Served: PENTHOUSE #2	
Associated mechanical room: clean <u>Y</u> <u>N</u> dry <u>Y</u> <u>N</u> stored chemicals/refuse <u>Y</u> <u>N</u>			
System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Outside air intake: Location:			
Accessible for inspection? Y ☒ N ☐ (explain):			
- louvers, grates and/or screens	Y	N	
- outside air duct	Y	N	
- outside air damper(s)	Y	N	
Air handling unit:			
- outside air mixing chamber	Y	N	
- filter rack(s)	Y	N	
- filter media	Y	N	
- blower assembly incl. blower wheel, blower housing, air vanes, in-line noise attenuators	Y	N	
- blower housing acoustical lining	Y	N	
- pre-heat coils			NP
- heating coils	Y	N	
- cooling coils	Y	N	
- re-heat coils	Y	N	
- condensate drain pan			NF
- supply air plenum	Y	N	
- supply air plenum damper(s)	Y	N	
- vibration collars			NP
Supply air distribution:			
- Supply air ducts Est. total ln ft <u>30</u> No. locations inspected <u>1</u> Specify type (circle): <u>metal</u> <u>fibrous glass lined metal</u> masonry fibrous glass board flex-duct wood	Y	N	
- Accessible in-line fire dampers Est. total qty <u>7</u> No. locations inspected <u>7</u>			I
- Accessible turning vanes Est. total qty <u>1</u> No. locations inspected <u>1</u>	Y	N	
- In-line reheat/cooling coils Est. total qty <u>1</u> No. locations inspected <u>1</u>	Y	N	
- Supply air diffusers Est. total qty <u>7</u> No. locations inspected <u>7</u>			I
Return air distribution:			
- Return air ducts Est. total ln ft <u>30</u> No. locations inspected <u>1</u> Specify type (circle): <u>metal</u> <u>fibrous glass lined metal</u> masonry fibrous glass board flex-duct wood	Y	N	
- Return air plenum Est. total RA plenum areas <u>1</u> No. locations inspected <u>1</u>	Y	N	
- Return air plenum damper Est. total qty <u>1</u> No. locations inspected <u>1</u>	Y	N	
- Accessible in-line fire dampers Est. total qty <u>1</u> No. locations inspected <u>0</u>			I
- Accessible turning vanes Est. total qty <u>1</u> No. locations inspected <u>1</u>	Y	N	
- Return air grilles Est. total qty <u>1</u> No. locations inspected <u>0</u>			I

2.1 Central Ventilation System Visual Inspection Form

System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/ Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Other (specify):			
Other Information: Filter loading (light, moderate, heavy): <u>MODERATE</u> ☐ Abraded/delaminated acoustical lining ☐ Filter bypass (describe)			
General impression (indicate recommendations for cleaning based on finding of WTC dust): — NO WTC RELATED DUST WAS OBSERVED IN THE SYSTEM, ITS COMPONENTS AND ITS ASSOCIATED DUCTWORK — NO CLEANING IS REQUIRED.			
KEY: NP = not present; NF = not found; I = inaccessible; U = unknown			

2.1 Central Ventilation System Visual Inspection Form

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Ventilation System Identification:			
HVAC (NOT WORKING)			
Location: 15 th Floor Rm - 350 ALBANY STREET		Area Served: ELEVATOR ROOM	
Associated mechanical room: clean <u>Y</u> <u>N</u> dry <u>Y</u> <u>N</u> stored chemicals/refuse <u>Y</u> <u>N</u>			
System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Outside air intake: Location:			
Accessible for inspection? Y <u>Y</u> N <u> </u> (explain):			
- louvers, grates and/or screens	Y	N	
- outside air duct	Y	N	
- outside air damper(s)	Y	N	
Air handling unit:			
- outside air mixing chamber	Y	N	
- filter rack(s)	Y	N	
- filter media			NP
- blower assembly incl. blower wheel, blower housing, air vanes, in-line noise attenuators	Y	N	
- blower housing acoustical lining	Y	N	
- pre-heat coils			NP
- heating coils			NP
- cooling coils	Y	N	
- re-heat coils			NP
- condensate drain pan			I
- supply air plenum	Y	N	
- supply air plenum damper(s)			NP
- vibration collars			NP
Supply air distribution:			
- Supply air ducts Est. total ln ft <u>5</u> No. locations inspected <u>2</u> Specify type (circle): <u>metal</u> <u>fibrous glass lined metal</u> masonry fibrous glass board flex-duct wood	Y	N	
- Accessible in-line fire dampers Est. total qty <u> </u> No. locations inspected <u> </u>			NP
- Accessible turning vanes Est. total qty <u>1</u> No. locations inspected <u> </u>	Y	N	NP
- In-line reheat/cooling coils Est. total qty <u> </u> No. locations inspected <u> </u>			NP
- Supply air diffusers Est. total qty <u> </u> No. locations inspected <u> </u>			NP
Return air distribution:			
- Return air ducts Est. total ln ft <u>5</u> No. locations inspected <u>2</u> Specify type (circle): <u>metal</u> <u>fibrous glass lined metal</u> masonry fibrous glass board flex-duct wood	Y	N	
- Return air plenum Est. total RA plenum areas <u>1</u> No. locations inspected <u>1</u>	Y	N	
- Return air plenum damper Est. total qty <u>1</u> No. locations inspected <u>1</u>	Y	N	
- Accessible in-line fire dampers Est. total qty <u> </u> No. locations inspected <u> </u>			NP
- Accessible turning vanes Est. total qty <u>1</u> No. locations inspected <u>1</u>	Y	N	
- Return air grilles Est. total qty <u>1</u> No. locations inspected <u>1</u>	Y	N	

2.1 Central Ventilation System Visual Inspection Form

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System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/ Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Other (specify):			
Other Information: Filter loading (light, moderate, heavy): <u>NO FILTER</u> ☐ Abraded/delaminated acoustical lining ☒ Filter bypass (describe)			
General impression (indicate recommendations for cleaning based on finding of WTC dust): <u>THE UNIT IS NOT WORKING.</u> <u>NO WTC DEBRIS WAS OBSERVED IN THE COMPONENTS. AND ITS DUE TO WORK</u> <u>NO CLEANING IS REQUIRED. FOR WTC DEBRIS</u>			
KEY: NP = not present; NF = not found; I = inaccessible; U = unknown			

2.1 Central Ventilation System Visual Inspection Form

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Ventilation System Identification:

HV-1

Location:

MACHINE ROOM - 1st FLOOR

Area Served:

HALLWAYS 1st FL to 16th FLAssociated mechanical room: clean ☒ Y ☐ N dry ☒ Y ☐ N stored chemicals/refuse ☐ Y ☒ N

System Components

[NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]

Surface
Dust/
Debris
Present?WTC
Dust
Present?Component
• not present
• not found
• inaccessible

Outside air intake:

Location:

Accessible for inspection? Y ☒ N ☐ (explain):

- louvers, grates and/or screens

Y

N

- outside air duct

Y

N

- outside air damper(s)

Y

N

Air handling unit:

- outside air mixing chamber

Y

N

- filter rack(s)

Y

N

- filter media

Y

N

- blower assembly incl. blower wheel, blower housing, air vanes, in-line noise attenuators

Y

N

- blower housing acoustical lining

Y

N

- pre-heat coils

NP

- heating coils

Y

N

- cooling coils

NP

- re-heat coils

NP

- condensate drain pan

Y

N

- supply air plenum

Y

N

- supply air plenum damper(s)

Y

N

- vibration collars

Y

N

Supply air distribution:

- Supply air ducts Est. total ln ft 170 No. locations inspected 4Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board

flex-duct wood

Y

N

- Accessible in-line fire dampers Est. total qty _____ No. locations inspected _____

NP

- Accessible turning vanes Est. total qty 3 No. locations inspected 1

Y

N

- In-line reheat/cooling coils Est. total qty _____ No. locations inspected _____

NP

- Supply air diffusers Est. total qty 15 No. locations inspected 3

Y

N

Return air distribution:

- Return air ducts Est. total ln ft _____ No. locations inspected _____

Specify type (circle): metal fibrous glass lined metal masonry fibrous glass board

flex-duct wood

NP

- Return air plenum Est. total RA plenum areas _____ No. locations inspected _____

NP

- Return air plenum damper Est. total qty _____ No. locations inspected _____

NP

- Accessible in-line fire dampers Est. total qty _____ No. locations inspected _____

NP

- Accessible turning vanes Est. total qty _____ No. locations inspected _____

NP

- Return air grilles Est. total qty _____ No. locations inspected _____

NP

System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/ Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Other (specify):			
Other Information: Filter loading (light, moderate, <u>heavy</u>) <u>HEAVY - FILTERS COMPLETELY PLUGGED</u> ☐ Abraded/delaminated acoustical lining ☐ Filter bypass (describe)			
General impression (indicate recommendations for cleaning based on finding of WTC dust): <u>- NO WTC RELATED DUST WAS OBSERVED</u> <u>- NO CLEANING IS REQUIRED.</u>			
KEY: NP = not present; NF = not found; I = inaccessible; U = unknown			

2.1 Central Ventilation System Visual Inspection Form

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Ventilation System Identification:			
HV-2			
Location: MACHINE ROOM - 1 ST FLOOR		Area Served: BASEMENT CORRIDOR, STORAGE RMS, GYM	
Associated mechanical room: clean ☒ Y ☐ N dry ☒ Y ☐ N stored chemicals/refuse ☐ Y ☒ N			
System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/ Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Outside air intake: Location:			
Accessible for inspection? Y ☒ N ☐ (explain):			
- louvers, grates and/or screens	Y	N	
- outside air duct	Y	N	
- outside air damper(s)	Y	N	
Air handling unit:			
- outside air mixing chamber	Y	N	
- filter rack(s)	Y	N	
- filter media	Y	N	
- blower assembly incl. blower wheel, blower housing, air vanes, in-line noise attenuators			I
- blower housing acoustical lining			I
- pre-heat coils			NP
- heating coils			I
- cooling coils			NP
- re-heat coils			NP
- condensate drain pan			I
- supply air plenum	Y	N	
- supply air plenum damper(s)			NP
- vibration collars	Y	N	
Supply air distribution:			
- Supply air ducts Est. total ln ft <u>160</u> No. locations inspected <u>2</u> Specify type (circle): <u>metal</u> <u>fibrous glass lined metal</u> masonry fibrous glass board flex-duct wood	Y	N	
- Accessible in-line fire dampers Est. total qty _____ No. locations inspected _____			NP
- Accessible turning vanes Est. total qty <u>3</u> No. locations inspected <u>2</u>	Y	N	
- In-line reheat/cooling coils Est. total qty _____ No. locations inspected _____			NP
- Supply air diffusers Est. total qty <u>6</u> No. locations inspected <u>1</u>	Y	N	
Return air distribution:			
- Return air ducts Est. total ln ft _____ No. locations inspected _____ Specify type (circle): metal <u>fibrous glass lined metal</u> masonry fibrous glass board flex-duct wood			NP
- Return air plenum Est. total RA plenum areas _____ No. locations inspected _____			NP
- Return air plenum damper Est. total qty _____ No. locations inspected _____			NP
- Accessible in-line fire dampers Est. total qty _____ No. locations inspected _____			NP
- Accessible turning vanes Est. total qty _____ No. locations inspected _____			NP
- Return air grilles Est. total qty _____ No. locations inspected _____			NP

2.1 Central Ventilation System Visual Inspection Form

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System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/ Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Other (specify):			
Other Information:			
Filter loading (light, moderate, heavy): <u>HEAVY</u> ☐ Abraded/delaminated acoustical lining ☐ Filter bypass (describe)			
General impression (indicate recommendations for cleaning based on finding of WTC dust):			
- NO WTC RELATED DUST WAS OBSERVED - NO CLEANING IS REQUIRED FOR WTC RELATED DUST.			
KEY: NP = not present; NF = not found; I = inaccessible; U = unknown			

Ventilation System Identification:			
Location: <u>HVAC</u>		Area Served: <u>LOBBY</u>	
Associated mechanical room: clean ☒ Y ☐ N dry ☒ Y ☐ N stored chemicals/refuse ☒ Y ☐ N			
System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/ Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Outside air intake: Location:			
Accessible for inspection? Y ☒ N ☐ (explain):			
- louvers, grates and/or screens			NP
- outside air duct			NP
- outside air damper(s)			NP
Air handling unit:			
- outside air mixing chamber			
- filter rack(s)			NP
- filter media	Y	N	
- blower assembly incl. blower wheel, blower housing, air vanes, in-line noise attenuators	Y	N	
- blower housing acoustical lining	Y	N	
- pre-heat coils			
- heating coils	Y	N	NP
- cooling coils	Y	N	
- re-heat coils			
- condensate drain pan	Y	N	NP
- supply air plenum	Y	N	
- supply air plenum damper(s)			NP
- vibration collars			NP
Supply air distribution:			
- Supply air ducts Est. total in ft <u>80</u> No. locations inspected <u>2</u> Specify type (circle): <u>metal</u> <u>fibrous glass lined metal</u> masonry fibrous glass board flex-duct wood	Y	N	
- Accessible in-line fire dampers Est. total qty _____ No. locations inspected _____			NP
- Accessible turning vanes Est. total qty _____ No. locations inspected _____			NP
- In-line reheat/cooling coils Est. total qty _____ No. locations inspected _____			NP
- Supply air diffusers Est. total qty <u>6</u> No. locations inspected <u>3</u>	Y	N	
Return air distribution:			
- Return air ducts Est. total in ft <u>80</u> No. locations inspected <u>2</u> Specify type (circle): <u>metal</u> <u>fibrous glass lined metal</u> masonry fibrous glass board flex-duct wood	Y	N	
- Return air plenum Est. total RA plenum areas <u>1</u> No. locations inspected <u>1</u>	Y	N	
- Return air plenum damper Est. total qty _____ No. locations inspected _____			NP
- Accessible in-line fire dampers Est. total qty _____ No. locations inspected _____			NP
- Accessible turning vanes Est. total qty _____ No. locations inspected _____			NP
- Return air grilles Est. total qty <u>3</u> No. locations inspected <u>1</u>	Y	N	

System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/ Debris Present?	WTC Dust Present?	Component • not present • not found • inaccessible
Other (specify):			
Other Information: Filter loading (light, moderate, heavy): <u>HEAVY</u> ☐ Abraded/delaminated acoustical lining ☐ Filter bypass (describe)			
General impression (indicate recommendations for cleaning based on finding of WTC dust): - NO WTC RELATED DUST WAS OBSERVED - NO CLEANING IS REQUIRED.			
KEY: NP = not present; NF = not found; I = inaccessible; U = unknown			