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Inspection Report for Warren & Panzer Group
Inspection Address: 90 Beekman Street., NYC
Inspection Date: 11/06/02

Exhaust Fans

Fan #	Model	Manufacturer	Condition	Comments
1	CBX-18-B	Greenheck	Black	Rooftop Units
2	CX-9-B	Greenheck	Black	Rooftop Units
3	CX-12-B	Greenheck	White	Rooftop Units - WTC Debris
4	CX-12-B	Greenheck	Black	Rooftop Units
5	CX-12-B	Greenheck	White	Rooftop Units - WTC Debris
6	CX-9-B	Greenheck	Black	Rooftop Units
7	CBX-18-B	Greenheck	Black	Rooftop Units
8	CX-9-B	Greenheck	Black	Rooftop Units
9	CX-9-B	Greenheck	Black	Rooftop Units
10	CX-12-B	Greenheck	Black	Rooftop Units
11	CX-12-B	Greenheck	Black	Rooftop Units
12	CBX-18-B	Greenheck	Black	Rooftop Units
13	G-120-BX-QD	Greenheck	Black	Rooftop Units
14	CX-9-B	Greenheck	Black	Rooftop Units
15	CX-9-B	Greenheck	Black	Rooftop Units
16	CX-10-B	Greenheck	Black	Rooftop Units

Ground Floor

Fan #	Model	Manufacturer	Condition	Comments
	50SX-042-301AA	Carrier	Clean	HVAC for Maintenance Office

Basement Exhaust

Fan #	Model	Manufacturer	Condition	Comments
	No Information Available	No Information Available	Black	Basement/Hallway - Fresh Air Int.
	1216435B6	Greenheck	Lint	Laundry Rm Exhaust
	No Information Available	No Information Available	Lint	Dryer Exhaust
	No Information Available	No Information Available	White	Boiler Rm - Fresh Air Int. Loc. In Vent/Heat Rm WTC Debris

VENTILATION SYSTEM EVALUATION WORKFORM

Part 1.0 General Information

Date of Evaluation: <u>11/6/02</u>	Building contact name and phone:
Evaluation Team (list name and affiliation):	
<u>Frank Trovati - Duct Insurers</u>	(Environmental Professional)
<u>Tony Garro - Duct Insurers</u>	(HVAC/Electrical Professional)
	(Sheet Metal Professional)
Building Address:	Type of Facility (check all that apply):
<u>90 BECKMAN</u>	☒ Residential
	☐ Multi-use
	☐ Other (describe)
	Number of residential units: Number of floors: <u>7</u>
HVAC System Types (check all that apply)	
☒ Unit ventilator (single residence unit)	☐ Wall/window AC unit (single residence unit)
☐ Fan coil unit (single residence unit)	☒ Central ventilation system
☐ Heat pump unit (single residence unit)	☒ Passive shaft/duct
☐ Other (describe)	
Location of outside air intake:	
Outside air intake accessible for inspection <u>X</u> <u>Y</u> <u>N</u> (explain)	

Part 2.0 Checklists

2.1 Ventilators, wall air conditioning units and window air conditioning units in common spaces

Ventilation System Identification: <u>KITCHEN + BATHROOM EXHAUST - SEE ATTACHED</u>						
Location: <u>ROOF + BASEMENT</u>						
Access adequate for inspection of components: <u>YES</u>						
System Components	System Component Substrate Material (sheet metal wrapped) (sheet metal lined) (fiberglass) (flexible connector) (double walled)	Dust/Dirt / Debris			Suspect WTC-Related Dust	
		None	Light (<1/16 inch depth)	Heavy (≥ 1/16 inch depth)	Present? (Y/N)	Estimate % of total dust loading
Outside air intake louvers, grates and/or screens						
Outside air duct						
Outside air damper(s)						
Return air grille						
Return air plenum						
Filter rack						
Filter media						
Coils (evaporator)						
Blower assembly						
Condensate drain pan						
In-line electrical resistance strip heaters (in supply ducts connected to unit ventilators)						
Fire dampers						
Turning vanes						
Supply air plenum or supply duct						
Supply air plenum or supply duct liner						
Supply air diffuser						

2.1 Ventilators, wall air conditioning units and window air conditioning units in common spaces (cont.)

ATTACHMENT A - SCOPE OF WORK

Other Information:	
☐ Unit cycled prior to inspection	☐ Color of dust/dirt/debris
☐ Filter loading (general impression)	☐ Water damage
☐ Filter bypass (describe)	☐ Visible suspect mold growth
☐ Abraded/delaminated acoustical lining	☐ Evidence of animal incursion (carcasses, feathers, fecal matter)
General Impression:	

2.2 Fan coil/ heat pump units in common spaces

Ventilation System Identification:						
Location:						
Access adequate for inspection of components:						
System Components	System Component Substrate Material (sheet metal wrapped) (sheet metal lined) (fiberglass) (flexible connector) (double walled)	Dust/Dirt/Debris			Suspect WTC-Related Dust	
		None	Light ($< 1/16$ inch depth)	Heavy ($\geq 1/16$ inch depth)	Present? (Y/N)	Estimate % of total dust loading
Return air grille						
Return air plenum						
Filter rack						
Filter media						
Blower assembly						
Thermal coils						
Supply air plenum						
Supply air diffuser						
Other Information:						
☐ Unit cycled prior to inspection		☐ Color of Dust/Dirt/Debris				
☐ Filter loading (general impression)		☐ Water damage				
☐ Filter bypass (describe)		☐ Visible suspect mold growth				
☐ Abraded/delaminated acoustical lining		☐ Evidence of animal incursion (carcasses, feathers, fecal matter)				
General Impression:						

2.3 Central ventilation systems

Ventilation System Identification:	
HVAC FOR MAINTENANCE OFFICE MODEL - CARRIER	
Location: 6N PL. OUTSIDE	Area Served:
Mechanical room: clean ☒ Y ☐ N dry ☒ Y ☐ N stored chemicals/refuse ☐ Y ☒ N	
Access adequate for inspection of components: YES	
AHU interior surfaces are visibly accessible: YES	

2.3 Central ventilation systems (continued) ATTACHMENT A – SCOPE OF WORK

System Components	System Component Substrate Material	Dust/Dirt/Debris			Suspect WTC-Related Dust	
		None	Light (<1/16 inch depth)	Heavy (≥ 1/16 inch depth)	Present? (Y/N)	Estimate % of total dust loading
Outside air intake louvers, grates and/or screens		X			N	
Outside air duct		X			N	
Outside air damper(s)						
Return air grilles			X		N	
Return air plenum						
Return air plenum damper						
Return air ducts			X		N	
Turning vanes						
Mixing chambers						
Filter rack(s)		X			N	
Filter banks/media						
Pre-heat coils		X			N	
Cooling coils		X			N	
Re-heat coils						
Humidification and/or air cleaning equipment						
Fire dampers						
In-line re-heat coils						
Acoustical blower housing lining		X			N	
Duct connectors						
Blower assembly including blower wheel, blower housing, air vanes, in-line noise attenuators, acoustical treatments (e.g. baffles, duct linings)		X			N	
Condensate drain pan		X			N	
Condensate accumulator						
Supply air plenum		X			N	
Supply air plenum damper(s)						
Supply air ducts		X			N	
-High pressure - main trunk						
-Low pressure - branches						
Supply plenum or supply duct linings		X			N	
Supply air duct damper(s)						
Supply air diffusers						
Terminal boxes						
Open or ducted passive ventilation shaft(s)						
Other Information:						
☐ Unit cycled prior to inspection			☐ Color of Dust/Dirt/Debris			
☐ Filter loading (general impression)			☐ Water damage			
☐ Filter bypass (describe)			☐ Visible suspect mold growth			
☐ Abraded/delaminated acoustical lining			☐ Evidence of animal incursion (carcasses, feathers, fecal matter)			

ATTACHMENT A – SCOPE OF WORK**2.4 Sampling**

Sampling is required if light to heavy dust is present that is not visually identified as WTC related (maximum 5 samples).

Samples Collected: <u>Y</u> <u>N</u>
Sample Locations:
Location 1:
Location 2:
Location 3:
Location 4:
Location 5: