

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

M920

School: SATELLITE ACADEMY - MANHATTAN, 120 WEST 30TH STREET, MANHATTAN, NY, 10001

InspectionId	Inspection Type	Time In	Last Edited
1264149	MECHANICAL	2009-05-22 08:42AM	2009-06-03 11:36AM

Asset Data

Question	Answer
Heating Plant Oil Number	2
Have any Systems/Major Building Components been upgraded?	Systems: DX split serving MDF room Years: 2009

Priority Condition

No condition recorded

Inspection

Question	Response
MECHANICAL	
AIR CONDITIONING	Inspected
Chilled Water System	Does not exist
Condenser Water Piping	Does not exist
Condenser Water Pump	Does not exist
Cooling Coils in Ductwork	Does not exist
Cooling Tower	Does not exist
DX Split System	Inspected
Indoor Unit	Inspected
Condition	2- Between Good and Fair
Deficiency	OVER 5 TONS:DEFECTIVE MOISTURE DRAINAGE (BASIN & TUBING)
Deficiency Location/Instance	Room # 410
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 4
Purpose of Action	LEVEL 2
Violations	No violations recorded
Outdoor Unit	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Packaged / Rooftop Unit	Inspected
Instance	Roof
Instance Condition	2- Between Good and Fair
Instance Quantity	2
Instance Quantity Uom	EACH
Manufacturer	Carrier
EquipmentId	N/A
Capacity/Size	N/A
Installation Year	1999
Deficiency	No deficiencies recorded
Instance	Second floor deck
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Carrier
EquipmentId	N/A
Capacity/Size	N/A
Installation Year	1999
Deficiency	No deficiencies recorded
Packaged Terminal A/C	Does not exist
Refrigerant Piping	Inspected

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

M920

Question	Response
AIR CONDITIONING	
Refrigerant Piping	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Return Fan	Does not exist
Window Type A/C	Does not exist
CENTRAL ACID WASTE NEUTRALIZING TANK	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
CLIMATE CONTROL SYSTEM	
Damper Actuator	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
DDC Computer	Does not exist
Local Control Panel	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Pneumatic PRV Station	Does not exist
Pneumatic Tubing	Does not exist
Refrigerated Air Dryer	Does not exist
Temperature Control Air Compressor	Does not exist
Temperature Control Thermostat	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Temperature Control Zone Valve	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Valve	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
COMPACTOR	
CONVEYING	
Dumbwaiters	Does not exist
Elevators	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Escalators	Does not exist
Non-auditorium Handicap Lift	Does not exist
Sidewalk / Ash Hoist	Does not exist
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	Inspected
Gravity System	Inspected
Roof Tank	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Supply Pump	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Pressure Booster System	Does not exist
Water Service	Inspected
Service Piping (Water Main)	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Water Main - Double Check Valve	Inspected

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

M920

Question	Response
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	
Water Service	
Water Main - Double Check Valve	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Water Main - RPZ	Does not exist
Domestic Hot Water System	Inspected
Domestic Hot Water Circulating Pump	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Domestic Hot Water Remote Storage Tank	Does not exist
Domestic Water Heat Exchanger	Does not exist
Electric Domestic Water Heater	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Gas Fired Domestic Water Heater	Does not exist
Oil Fired Domestic Water Heater	Does not exist
Domestic Water Distribution Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
DRAIN/WASTE/VENT AND STORM SYSTEM	Inspected
House Trap	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Interior Floor Drain	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Interior Storm Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Sewage / Waste Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Sewage Ejector Pump	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Sump Pump	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Vent Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	Does not exist
EMERGENCY GENERATOR	Does not exist
FIXTURES	Inspected
Staff And Other	Inspected
Boiler Room - Eye Wash	Does not exist
Janitor Sink	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

M920

Question	Response
FIXTURES	
Staff And Other	
Toilet	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Urinal	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Student	Inspected
Drinking Fountain	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Locker Room Shower	Does not exist
Sink And Fountain Combo Unit	Does not exist
Toilet	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Urinal	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	Does not exist
GAS SERVICE	Inspected
Gas Distribution Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Meter Room Exhaust Fan	Does not exist
Gas Meter Room Vent	Does not exist
Gas Pressure Booster	Does not exist
HEATING	Inspected
Baseboard/Fin Tube	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Heating Coils In Ductwork	Does not exist
Hydronic Heating	Inspected
Air Separator	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Expansion Tank	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Hot Water Heat Exchanger	Does not exist
Hydronic Hot Water Circulating Pump	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Hydronic Hot Water Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Radiator / Convectector	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Steam Heating	Inspected

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

M920

Question	Response
HEATING	
Steam Heating	
F&T/Steam Drip Trap	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	Does not exist
Steam Condensate Return Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Steam Condensate Return System	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Steam Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Trap	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
STEAM SUPPLIED BY EXTERNAL SOURCES	
Terminal Fan Coil Unit	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Unit Heater/Cabinet Heater	Does not exist
HEATING PLANT	
Replacement Quantity	1,290
Replacement Uom	MBH
Boiler Auxiliaries	Inspected
Boiler Blowdown/Piping System	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Breeching	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Damper (In Breeching)	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	Inspected
Boiler Feedwater Pump	Does not exist
Boiler Feedwater Tank	Does not exist
Feedwater Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Feedwater Treatment(Automatic)	Does not exist
Boiler Gas Burner	Does not exist
Boiler Gas/Oil Burner	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Header Valve	Does not exist
Boiler Make-up Water Backflow Preventer	Inspected
Double Check Valves	Does not exist
RPZ	Inspected

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

M920

Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Make-up Water Backflow Preventer	
RPZ	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Make-up Water Piping	
Condition	Inspected
Deficiency	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Oil Burner	
Does not exist	
Boiler Room Steam And Condensate Piping	
Inspected	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Safety Valve	
Inspected	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Burner Control Panel	
Does not exist	
Boiler System	
Inspected	
Coal-fired Boiler	
Does not exist	
Hot Water Boiler	
Does not exist	
Modular Boiler	
Does not exist	
Steam Boiler	
Inspected	
Instance	Basement
Instance Condition	2- Between Good and Fair
Instance Quantity	1,290
Instance Quantity Uom	MBH
Manufacturer	A.L.Eastmond & Sons
EquipmentId	43017 -1
Capacity/Size	1290 MBH
Installation Year	1995
Deficiency	No deficiencies recorded
Fuel Systems	
Inspected	
Boiler Fresh Air Louver/Damper	
Does not exist	
CO/Gas Leak Detection	
Does not exist	
Fuel Oil Heater	
Does not exist	
Fuel Oil Level Gauge	
Inspected	
Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Oil Piping	
Inspected	
Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Oil Tank	
Inspected	
Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Transfer Pump	
Does not exist	
Gas Trains And Vent At The Boiler	
Inspected	
Condition	3- Fair
Deficiency	No deficiencies recorded
Oil Leak Detector In Tank Room	
Does not exist	
Overfill Alarm By Oil Fill	
Does not exist	
KITCHEN	
Inspected	
Instance	6th floor
CO Detector	
Instance on 6th floor	Inspected

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

M920

Question	Response
KITCHEN	
CO Detector	
Instance Condition	1- Good
Deficiency	No deficiencies recorded
CO/Gas Leak Detector	
Instance on 6th floor	Does not exist
Gas System	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Grease Trap	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Hood	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Hood Exhaust Ductwork	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Hood Exhaust Fan	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Hood Fire Suppression System	
Instance on 6th floor	Inspected
Instance	Kitchen
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Kidde
EquipmentId	N/A
Capacity/Size	3 Gal.
Installation Year	2007
Deficiency	No deficiencies recorded
Hot Water Temperature Booster	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Kitchen Sink	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
SCIENCE DEMO ROOM	
	Does not exist
SCIENCE LAB	
	Inspected
Instance	Room # 507
Alternative Use	No
Acid Waste Neutralizing Tank	
Instance on Room # 507	Does not exist
CO Detector	
Instance on Room # 507	Does not exist
CO/Gas Leak Detector	

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

M920

Question	Response
SCIENCE LAB	
CO/Gas Leak Detector	
Instance on Room # 507	Does not exist
Emergency Shower	
Instance on Room # 507	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Eye Wash	
Instance on Room # 507	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Hood Exhaust Ductwork	
Instance on Room # 507	Does not exist
Hood Exhaust Fan	
Instance on Room # 507	Does not exist
Laboratory Hood	
Instance on Room # 507	Does not exist
Laboratory Sink	
Instance on Room # 507	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Make-up Air Unit	
Instance on Room # 507	Does not exist
SCIENCE PREP ROOM	Inspected
Instance	Room # 506
Alternative Use	No
Acid Waste Neutralizing Tank	
Instance on Room # 506	Does not exist
Emergency Shower	
Instance on Room # 506	Does not exist
Eye Wash	
Instance on Room # 506	Does not exist
Hood Exhaust Ductwork	
Instance on Room # 506	Does not exist
Hood Exhaust Fan	
Instance on Room # 506	Does not exist
Laboratory Hood	
Instance on Room # 506	Does not exist
Laboratory Sink	
Instance on Room # 506	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Make-up Air Unit	
Instance on Room # 506	Does not exist
SPRINKLERS, STANDPIPE, FIRE SYSTEM	Inspected
Deluge Valve	Does not exist
Fire Booster Pump Assembly	Does not exist
Roof Tank	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Siamese Connection	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sprinkler Alarm Valve Assembly	Does not exist

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

M920

Question	Response
SPRINKLERS, STANDPIPE, FIRE SYSTEM	
Sprinkler Head	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Sprinkler Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Standpipe System	Does not exist
Water Gong	Does not exist
SWIMMING POOL	Does not exist
VENTILATION	Inspected
Duct- Register / Diffuser	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Exhaust Fan	Inspected
Condition	2- Between Good and Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	Roof /Belt
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 4
Purpose of Action	LEVEL 2
Violations	No violations recorded
Fire / Smoke Damper	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Heating And Ventilating Unit	Does not exist
Metal Ductwork	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Supply Fan	Does not exist
Unit Ventilator	Does not exist