

**NYC Department of Education  
Building Condition Assessment Survey 2010-2011**

***Mechanical Inspection***

**M920**

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

InspectionId	Inspection Type	Time In	Last Edited
2090012	MECHANICAL	2010-10-18 11:41AM	2011-04-28 04:28PM

***Asset Data***

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Kitchen hood fire suppression system . Years: 2007 Systems: DX split A/C serving MDF room Years: 2009
Are there fuel tanks?	Yes
Total # of above ground tanks	1
Total capacity of all above ground tanks in gal.	3,000
Total # of below ground tanks	0
Total capacity of all below ground tanks in gal.	0

***Priority Condition***

No condition recorded

***Inspection***

Question	Response
<b>MECHANICAL</b>	
<b>AIR CONDITIONING</b>	Inspected
<b>CHILLED WATER SYSTEM</b>	Does not exist
<b>CONDENSER WATER PIPING</b>	Does not exist
<b>CONDENSER WATER PUMP</b>	Does not exist
<b>COOLING COILS IN DUCTWORK</b>	Does not exist
<b>COOLING TOWER</b>	Does not exist
<b>DX SPLIT SYSTEM</b>	Inspected
<b>Indoor Unit</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Outdoor Unit</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>PACKAGED / ROOFTOP UNIT</b>	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
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	Roof
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
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>PACKAGED TERMINAL A/C</b>	Does not exist
<b>REFRIGERANT PIPING</b>	Inspected

**NYC Department of Education  
Building Condition Assessment Survey 2010-2011**

***Mechanical Inspection***

**M920**

<b>Question</b>	<b>Response</b>
<b>AIR CONDITIONING</b>	
<b>REFRIGERANT PIPING</b>	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>RETURN FAN</b>	Does not exist
<b>CENTRAL ACID WASTE NEUTRALIZING TANK</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>CLIMATE CONTROL SYSTEM</b>	Inspected
<b>DDC SYSTEM</b>	Does not exist
<b>ELECTRIC SYSTEM</b>	Inspected
Instance	Throughout leased space
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Deficiency	No deficiencies recorded
<b>HYBRID SYSTEM</b>	Does not exist
<b>PNEUMATIC SYSTEM</b>	Does not exist
<b>COMPACTOR</b>	Does not exist
<b>CONVEYING</b>	Inspected
<b>ASH HOIST</b>	Does not exist
<b>DUMBWAITERS</b>	Does not exist
<b>ELEVATORS</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>ESCALATORS</b>	Does not exist
<b>Non-auditorium Handicap Lift - Stair</b>	Does not exist
<b>Non-auditorium Handicap Lift - Vertical</b>	Does not exist
<b>SIDEWALK ELEVATOR</b>	Does not exist
<b>DOMESTIC WATER SYSTEM</b>	Inspected
<b>DOMESTIC COLD WATER SYSTEM</b>	Inspected
<b>Gravity System</b>	Inspected
<b>Roof Tank</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Supply Pump</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Pressure Booster System</b>	Does not exist
<b>Water Service</b>	Inspected
<b>Service Piping (Water Main)</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Water Main - Double Check Valve</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Water Main - RPZ</b>	Does not exist
<b>DOMESTIC HOT WATER SYSTEM</b>	Inspected
<b>Domestic Hot Water Circulating Pump</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Domestic Hot Water Remote Storage Tank</b>	Does not exist
<b>Domestic Water Heat Exchanger</b>	Does not exist

**NYC Department of Education  
Building Condition Assessment Survey 2010-2011**

***Mechanical Inspection***

**M920**

<b>Question</b>	<b>Response</b>
<b>DOMESTIC WATER SYSTEM</b>	
<b>DOMESTIC HOT WATER SYSTEM</b>	
<b>Electric Domestic Water Heater</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Gas Fired Domestic Water Heater</b>	Does not exist
<b>Oil Fired Domestic Water Heater</b>	Does not exist
<b>DOMESTIC WATER DISTRIBUTION PIPING</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>DRAIN/WASTE/VENT AND STORM SYSTEM</b>	Inspected
<b>HOUSE TRAP</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>INTERIOR FLOOR DRAIN</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>INTERIOR STORM PIPING</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>SEWAGE / WASTE PIPING</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>SEWAGE EJECTOR PUMP</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>SUMP PUMP</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>VENT PIPING</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)</b>	Does not exist
<b>FIXTURES</b>	Inspected
<b>STAFF AND OTHER</b>	Inspected
<b>Janitor Sink</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Lavatory/Sink</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Toilet</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Urinal</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>STUDENT</b>	Inspected
<b>Drinking Fountain</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Lavatory/Sink</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded

**NYC Department of Education  
Building Condition Assessment Survey 2010-2011**

***Mechanical Inspection***

**M920**

<b>Question</b>	<b>Response</b>
<b>FIXTURES</b>	
<b>STUDENT</b>	
<b>Locker Room Shower</b>	Does not exist
<b>Sink And Fountain Combo Unit</b>	Does not exist
<b>Toilet</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Urinal</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>GAS FIRED FURNACE</b>	Does not exist
<b>GAS SERVICE</b>	Inspected
<b>CO/GAS LEAK DETECTION</b>	Does not exist
<b>GAS DISTRIBUTION PIPING</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Between basement and roof / line serving roof top units
Deficiency Quantity	100
Quantity Uom	L.F.
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
<b>GAS METER ROOM EXHAUST FAN</b>	Does not exist
<b>GAS METER ROOM VENT</b>	Does not exist
<b>GAS PRESSURE BOOSTER</b>	Does not exist
<b>HEATING</b>	Inspected
<b>BASEBOARD/FIN TUBE</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>HEATING COILS IN DUCTWORK</b>	Does not exist
<b>HYDRONIC HEATING</b>	Inspected
<b>Air Separator</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Expansion Tank</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Hot Water Heat Exchanger</b>	Does not exist
<b>Hydronic Hot Water Circulating Pump</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Hydronic Hot Water Piping</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>RADIATOR / CONVECTOR</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>STEAM HEATING</b>	Inspected
<b>F&amp;T/Steam Drip Trap</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>MER Steam and Condensate Piping</b>	Does not exist
<b>Steam Condensate Return Piping</b>	Inspected

**NYC Department of Education  
Building Condition Assessment Survey 2010-2011**

***Mechanical Inspection***

**M920**

<b>Question</b>	<b>Response</b>
<b>HEATING</b>	
<b>STEAM HEATING</b>	
<b>Steam Condensate Return Piping</b>	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Steam Condensate Return Pumping System</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Steam Piping</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Terminal Unit Thermostatic Trap</b>	Does not exist
<b>STEAM SUPPLIED BY EXTERNAL SOURCES</b>	Does not exist
<b>UNIT HEATER/CABINET HEATER</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>HEATING PLANT</b>	Inspected
Replacement Quantity	1,290
Replacement Uom	MBH
Instance	Basement
Burner Type	Gas
Heating Plant Oil Number	N/A
<b>BOILER AUXILIARIES</b>	
Instance on Basement	Inspected
<b>Boiler Auxiliary Piping</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Boiler Emergency Stop Switch</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Boiler Feedwater System</b>	
Instance on Basement	Does not exist
<b>Boiler Feedwater Treatment(Automatic)</b>	
Instance on Basement	Does not exist
<b>Boiler Flue Exhaust</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Boiler Make-up Water Backflow Preventer</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Boiler Room Steam And Condensate Piping</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Boiler Safety Valve</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>BOILER SYSTEM</b>	
Instance on Basement	Inspected

**NYC Department of Education  
Building Condition Assessment Survey 2010-2011**

***Mechanical Inspection***

**M920**

<b>Question</b>	<b>Response</b>
<b>HEATING PLANT</b>	
<b>BOILER SYSTEM</b>	
<b>Coal-fired Boiler</b>	
Instance on Basement	Does not exist
<b>Hot Water Boiler</b>	
Instance on Basement	Does not exist
<b>Modular Boiler</b>	
Instance on Basement	Does not exist
<b>Steam Boiler</b>	
Instance on Basement	Inspected
Instance	Basement
Instance Condition	2- Between Good and Fair
Instance Quantity	1,290
Instance Quantity Uom	MBH
Manufacturer	Easco
EquipmentId	43017-1
Capacity/Size	1290 MBH Net
Installation Year	1995
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>FUEL SYSTEMS</b>	
Instance on Basement	Inspected
<b>Boiler Fresh Air Louver/Damper</b>	
Instance on Basement	Does not exist
<b>Burner/Burner Control Panel</b>	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Fuel Oil Storage/Supply System</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	FUEL OIL PIPING:NOT IN USE
Deficiency Location/Instance	Basement
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Deficiency	FUEL OIL TANK:NOT IN USE
Deficiency Location/Instance	Basement
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Deficiency	FUEL OIL LEVEL GAUGE:NOT IN USE
Deficiency Location/Instance	Basement
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
<b>Gas Trains And Vent At The Boiler</b>	

**NYC Department of Education  
Building Condition Assessment Survey 2010-2011**

***Mechanical Inspection***

**M920**

<b>Question</b>	<b>Response</b>
<b>HEATING PLANT</b>	
<b>FUEL SYSTEMS</b>	
<b>Gas Trains And Vent At The Boiler</b>	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
<b>IDF (ENCLOSED ROOMS)</b>	
Instance	Inspected
Instance	4th floor
<b>A/C EQUIPMENT</b>	
Instance on 4th floor	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DOES NOT EXIST
Deficiency Location/Instance	4th floor closet
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>VENTILATION EQUIPMENT</b>	
Instance on 4th floor	Does not exist
<b>KITCHEN</b>	
Instance	Inspected
Instance	6th floor
<b>CO DETECTOR</b>	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>GAS SYSTEM</b>	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>GREASE TRAP</b>	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>HOOD</b>	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>HOOD EXHAUST DUCTWORK</b>	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>HOOD EXHAUST FAN</b>	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>HOOD FIRE SUPPRESSION SYSTEM</b>	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>HOT WATER TEMPERATURE BOOSTER</b>	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded

**NYC Department of Education  
Building Condition Assessment Survey 2010-2011**

***Mechanical Inspection***

**M920**

<b>Question</b>	<b>Response</b>
<b>KITCHEN</b>	
<b>KITCHEN SINK</b>	
Instance on 6th floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>MDF ROOM</b>	Inspected
Instance	Room # 211
<b>A/C EQUIPMENT</b>	
Instance on Room # 211	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>VENTILATION EQUIPMENT</b>	
Instance on Room # 211	Does not exist
<b>SCIENCE DEMO ROOM</b>	Does not exist
<b>SCIENCE LAB</b>	
Instance on Room # 507	Inspected
Alternative Use	No
<b>ACID WASTE NEUTRALIZING TANK</b>	
Instance on Room # 507	Does not exist
<b>CO DETECTOR</b>	
Instance on Room # 507	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>EMERGENCY SHOWER</b>	
Instance on Room # 507	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>EYE WASH</b>	
Instance on Room # 507	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>FIXED LABORATORY HOOD</b>	
Instance on Room # 507	Does not exist
<b>HOOD EXHAUST DUCTWORK</b>	
Instance on Room # 507	Does not exist
<b>HOOD EXHAUST FAN</b>	
Instance on Room # 507	Does not exist
<b>LABORATORY SINK</b>	
Instance on Room # 507	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>MAKE-UP AIR UNIT</b>	
Instance on Room # 507	Does not exist
<b>PORTABLE LABORATORY HOOD</b>	
Instance on Room # 507	Does not exist
<b>SCIENCE PREP ROOM</b>	
Instance on Room # 506	Inspected
Alternative Use	No
<b>ACID WASTE NEUTRALIZING TANK</b>	
Instance on Room # 506	Does not exist
<b>EMERGENCY SHOWER</b>	
Instance on Room # 506	Does not exist
<b>EYE WASH</b>	
Instance on Room # 506	Does not exist

**NYC Department of Education  
Building Condition Assessment Survey 2010-2011**

***Mechanical Inspection***

**M920**

<b>Question</b>	<b>Response</b>
<b>SCIENCE PREP ROOM</b>	
<b>FIXED LABORATORY HOOD</b>	
Instance on Room # 506	Does not exist
<b>HOOD EXHAUST DUCTWORK</b>	
Instance on Room # 506	Does not exist
<b>HOOD EXHAUST FAN</b>	
Instance on Room # 506	Does not exist
<b>LABORATORY SINK</b>	
Instance on Room # 506	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>MAKE-UP AIR UNIT</b>	
Instance on Room # 506	Does not exist
<b>PORTABLE LABORATORY HOOD</b>	
Instance on Room # 506	Does not exist
<b>SPRINKLERS, STANDPIPE, FIRE SYSTEM</b>	Inspected
<b>DELUGE VALVE</b>	Does not exist
<b>FIRE BOOSTER PUMP ASSEMBLY</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>ROOF TANK</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>SIAMESE CONNECTION</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>SPRINKLER ALARM VALVE ASSEMBLY</b>	Does not exist
<b>SPRINKLER HEAD</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>SPRINKLER PIPING</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>STANDPIPE SYSTEM</b>	Does not exist
<b>WATER GONG</b>	Does not exist
<b>SWIMMING POOL</b>	Does not exist
<b>VENTILATION</b>	Inspected
<b>EXHAUST FAN</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>HEATING AND VENTILATING UNIT</b>	Does not exist
<b>METAL DUCTWORK</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>SUPPLY FAN</b>	Does not exist
<b>UNIT VENTILATOR</b>	Does not exist