

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

Mechanical Inspection

X174

School: **I.S. 174 - BRONX, 456 WHITE PLAINS ROAD, BRONX, NY, 10473**

InspectionId	Inspection Type	Time In	Last Edited
1650101	MECHANICAL	2011-02-08 08:50AM	2011-02-17 02:03PM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Boiler Safety Valves, DX Split Systems for the Kitchen. Years: 2007
Are there fuel tanks?	Yes
Total # of above ground tanks	2
Total capacity of all above ground tanks in gal.	20,000
Total # of below ground tanks	0
Total capacity of all below ground tanks in gal.	0

Priority Condition

No condition recorded

Inspection

Question	Response
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	1- Good
Deficiency	No deficiencies recorded
Outdoor Unit	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
PACKAGED / ROOFTOP UNIT	Does not exist
PACKAGED TERMINAL A/C	Does not exist
REFRIGERANT PIPING	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
RETURN FAN	Does not exist
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not exist
CLIMATE CONTROL SYSTEM	Inspected
DDC SYSTEM	Does not exist
ELECTRIC SYSTEM	Does not exist
HYBRID SYSTEM	Does not exist
PNEUMATIC SYSTEM	Inspected
Instance	Classrooms and Offices.
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Deficiency	DEFECTIVE TEMPERATURE CONTROL THERMOSTAT
Deficiency Location/Instance	Rooms 430, 118 and various classrooms.
Deficiency Quantity	7
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2

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Question	Response
CLIMATE CONTROL SYSTEM	
PNEUMATIC SYSTEM	
Violations	No violations recorded
COMPACTOR	Inspected
Condition	3- Fair
Deficiency	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
CONVEYING	Inspected
ASH HOIST	Does not exist
DUMBWAITERS	Does not exist
ELEVATORS	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
ESCALATORS	Does not exist
Non-auditorium Handicap Lift - Stair	Does not exist
Non-auditorium Handicap Lift - Vertical	Does not exist
SIDEWALK ELEVATOR	Does not exist
DOMESTIC WATER SYSTEM	Inspected
DOMESTIC COLD WATER SYSTEM	Inspected
Gravity System	Does not exist
Pressure Booster System	Inspected
Electric Pressure Booster System	Does not exist
Hydraulic/Pneumatic Booster System	Inspected
Domestic Cold Water Tank	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Pressure Booster Pump	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Water Pressure Booster - Compressor	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Water Service	Inspected
Service Piping (Water Main)	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Water Main - Double Check Valve	Does not exist
Water Main - RPZ	Does not exist
DOMESTIC HOT WATER SYSTEM	Inspected
Domestic Hot Water Circulating Pump	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Domestic Hot Water Remote Storage Tank	Does not exist
Domestic Water Heat Exchanger	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Electric Domestic Water Heater	Does not exist
Gas Fired Domestic Water Heater	Does not exist
Oil Fired Domestic Water Heater	Does not exist

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Question	Response
DOMESTIC WATER SYSTEM	
DOMESTIC WATER DISTRIBUTION PIPING	Inspected
Condition	3- 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	3- Fair
Deficiency	No deficiencies recorded
INTERIOR STORM PIPING	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
SEWAGE / WASTE PIPING	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
SEWAGE EJECTOR PUMP	Does not exist
SUMP PUMP	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Basement/ (1/1).
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
VENT PIPING	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	Does not exist
FIXTURES	Inspected
STAFF AND OTHER	Inspected
Janitor Sink	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Toilet	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Urinal	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
STUDENT	Inspected
Drinking Fountain	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Locker Room Shower	Inspected

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Question	Response
FIXTURES	
STUDENT	
Locker Room Shower	
Instance on 2nd floor Boys and Girls Locker Rooms	Inspected
Instance Condition	3- Fair
Instance Quantity	2
Instance Quantity Uom	EACH
Alternative Use	Yes
Deficiency	NOT IN USE
Deficiency Location/Instance	2nd floor Boys and Girls Locker Rooms
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Sink And Fountain Combo Unit	Does not exist
Toilet	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Urinal	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	Does not exist
GAS SERVICE	Inspected
CO/GAS LEAK DETECTION	Does not exist
GAS DISTRIBUTION PIPING	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Room 232/ Leaks.
Deficiency Quantity	100
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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	3- Fair
Deficiency	No deficiencies recorded
HEATING COILS IN DUCTWORK	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
HYDRONIC HEATING	Does not exist
RADIATOR / CONVECTOR	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
STEAM HEATING	Inspected
F&T/Steam Drip Trap	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	Inspected

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Question	Response
HEATING	
STEAM HEATING	
MER Steam and Condensate Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Piping	
Condition	Inspected
Deficiency	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Pumping System	
Condition	Inspected
Deficiency	3- Fair
Deficiency	No deficiencies recorded
Steam Piping	
Condition	Inspected
Deficiency	3- Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Trap	
Condition	Inspected
Deficiency	3- Fair
Deficiency	No deficiencies recorded
STEAM SUPPLIED BY EXTERNAL SOURCES	
UNIT HEATER/CABINET HEATER	
Does not exist	
HEATING PLANT	
Replacement Quantity	Inspected
Replacement Uom	14,661
Instance	MBH
Burner Type	Basement
Heating Plant Oil Number	Oil
	6
BOILER AUXILIARIES	
Instance on Basement	Inspected
Boiler Auxiliary Piping	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	FEEDWATER TANK:DEFECTIVE TANK AUXILIARIES(AUTO FEEDWATER VALVE, LOW LEVEL CUT OFF,ETC)
Deficiency Location/Instance	Basement/ The blow down pipe to the drain is missing.
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Feedwater Treatment(Automatic)	
Instance on Basement	Does not exist
Boiler Flue Exhaust	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	

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HEATING PLANT	
BOILER AUXILIARIES	
Boiler Make-up Water Backflow Preventer	
Instance on Basement	Does not exist
Boiler Room Steam And Condensate Piping	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Safety Valve	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
BOILER SYSTEM	
Instance on Basement	Inspected
Coal-fired Boiler	
Instance on Basement	Does not exist
Hot Water Boiler	
Instance on Basement	Does not exist
Modular Boiler	
Instance on Basement	Does not exist
Steam Boiler	
Instance on Basement	Inspected
Instance	Basement
Instance Condition	3- Fair
Instance Quantity	4,887
Instance Quantity Uom	MBH
Manufacturer	Kewanee
EquipmentId	56642-1
Capacity/Size	6294 MBH (gross)
Installation Year	1972
Source of Installation Year	Documented
Deficiency	PLUGGED TUBES
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Instance	Basement
Instance Condition	3- Fair
Instance Quantity	4,887
Instance Quantity Uom	MBH
Manufacturer	Kewanee
EquipmentId	56642-2
Capacity/Size	6294 MBH (gross)
Installation Year	1972
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	Basement
Instance Condition	3- Fair
Instance Quantity	4,887
Instance Quantity Uom	MBH
Manufacturer	Kewanee
EquipmentId	56642-3
Capacity/Size	6294 MBH (gross)
Installation Year	1972

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Question	Response
HEATING PLANT	
BOILER SYSTEM	
Steam Boiler	
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
FUEL SYSTEMS	
Instance on Basement	Inspected
Boiler Fresh Air Louver/Damper	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Burner/Burner Control Panel	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	BURNER CONTROL PANEL:BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Basement/ (3/3).
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	OIL BURNER:BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Basement/ (3/3).
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Fuel Oil Storage/Supply System	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Trains And Vent At The Boiler	
Instance on Basement	Does not exist
IDF (ENCLOSED ROOMS)	
Instance	Rooms 409, 338, 213 and 115.
A/C EQUIPMENT	
Instance on Rooms 409, 338, 213 and 115.	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DOES NOT EXIST
Deficiency Location/Instance	Rooms 409, 338, 213 and 115.
Deficiency Quantity	4
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
VENTILATION EQUIPMENT	
Instance on Rooms 409, 338, 213 and 115.	Does not exist
KITCHEN	
Instance	First Floor
CO DETECTOR	
Instance on First Floor	Inspected

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KITCHEN	
CO DETECTOR	
Instance Condition	4- Between Fair and Poor
Deficiency	DETECTOR MISSING
Deficiency Location/Instance	Kitchen
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
GAS SYSTEM	
Instance on First Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
GREASE TRAP	
Instance on First Floor	Inspected
Instance Condition	3- Fair
Deficiency	DEFECTIVE/CLOGGED
Deficiency Location/Instance	Kitchen (1/1)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
HOOD	
Instance on First Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
HOOD EXHAUST DUCTWORK	
Instance on First Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
HOOD EXHAUST FAN	
Instance on First Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
HOOD FIRE SUPPRESSION SYSTEM	
Instance on First Floor	Does not exist
HOT WATER TEMPERATURE BOOSTER	
Instance on First Floor	Does not exist
KITCHEN SINK	
Instance on First Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
MDF ROOM	
Instance	Room 137
A/C EQUIPMENT	
Instance on Room 137	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
VENTILATION EQUIPMENT	
Instance on Room 137	Does not exist
SCIENCE DEMO ROOM	

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Question	Response
SCIENCE DEMO ROOM	
Instance on Rooms 430, 330 and 230.	Inspected
Alternative Use	Yes
ACID WASTE NEUTRALIZING TANK	
Instance on Rooms 430, 330 and 230.	Does not exist
EMERGENCY SHOWER	
Instance on Rooms 430, 330 and 230.	Does not exist
EYE WASH	
Instance on Rooms 430, 330 and 230.	Does not exist
FIXED LABORATORY HOOD	
Instance on Rooms 430, 330 and 230.	Does not exist
LABORATORY SINK	
Instance on Rooms 430, 330 and 230.	Inspected
Instance Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Rooms 430, 330 and 230.
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
PORTABLE LABORATORY HOOD	
Instance on Rooms 430, 330 and 230.	Does not exist
SCIENCE LAB	
Instance on Rooms 436, 432, 332, 232 and 236	Inspected
Alternative Use	No
Instance on Room 336	Inspected
Alternative Use	No
ACID WASTE NEUTRALIZING TANK	
Instance on Rooms 436, 432, 332, 232 and 236	Does not exist
Instance on Room 336	Does not exist
CO DETECTOR	
Instance on Rooms 436, 432, 332, 232 and 236	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DETECTOR MISSING
Deficiency Location/Instance	Rooms 436, 432, 332, 232 and 236
Deficiency Quantity	5
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Instance on Room 336	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DETECTOR MISSING
Deficiency Location/Instance	Room 336
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
EMERGENCY SHOWER	
Instance on Rooms 436, 432, 332, 232 and 236	Does not exist
Instance on Room 336	Does not exist

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Question	Response
SCIENCE LAB	
EYE WASH	
Instance on Rooms 436, 432, 332, 232 and 236	Does not exist
Instance on Room 336	Does not exist
FIXED LABORATORY HOOD	
Instance on Rooms 436, 432, 332, 232 and 236	Does not exist
Instance on Room 336	Does not exist
HOOD EXHAUST DUCTWORK	
Instance on Rooms 436, 432, 332, 232 and 236	Does not exist
Instance on Room 336	Does not exist
HOOD EXHAUST FAN	
Instance on Rooms 436, 432, 332, 232 and 236	Does not exist
Instance on Room 336	Does not exist
LABORATORY SINK	
Instance on Rooms 436, 432, 332, 232 and 236	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Instance on Room 336	Inspected
Instance Condition	3- Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	Room 336/ Sink basin was removed (1/9).
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
MAKE-UP AIR UNIT	
Instance on Rooms 436, 432, 332, 232 and 236	Does not exist
Instance on Room 336	Does not exist
PORTABLE LABORATORY HOOD	
Instance on Rooms 436, 432, 332, 232 and 236	Does not exist
Instance on Room 336	Does not exist
SCIENCE PREP ROOM	
Instance on Rooms 434, 334 and 234.	Inspected
Alternative Use	No
ACID WASTE NEUTRALIZING TANK	
Instance on Rooms 434, 334 and 234.	Does not exist
EMERGENCY SHOWER	
Instance on Rooms 434, 334 and 234.	Does not exist
EYE WASH	
Instance on Rooms 434, 334 and 234.	Does not exist
FIXED LABORATORY HOOD	
Instance on Rooms 434, 334 and 234.	Does not exist
HOOD EXHAUST DUCTWORK	
Instance on Rooms 434, 334 and 234.	Does not exist
HOOD EXHAUST FAN	
Instance on Rooms 434, 334 and 234.	Does not exist
LABORATORY SINK	
Instance on Rooms 434, 334 and 234.	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
MAKE-UP AIR UNIT	
Instance on Rooms 434, 334 and 234.	Does not exist
PORTABLE LABORATORY HOOD	

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SCIENCE PREP ROOM	
PORTABLE LABORATORY HOOD	
Instance on Rooms 434, 334 and 234.	Does not exist
SPRINKLERS, STANDPIPE, FIRE SYSTEM	Inspected
DELUGE VALVE	Does not exist
FIRE BOOSTER PUMP ASSEMBLY	Does not exist
ROOF TANK	Does not exist
SIAMESE CONNECTION	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
SPRINKLER ALARM VALVE ASSEMBLY	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
SPRINKLER HEAD	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
SPRINKLER PIPING	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
STANDPIPE SYSTEM	Does not exist
WATER GONG	Does not exist
SWIMMING POOL	Does not exist
VENTILATION	Inspected
EXHAUST FAN	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
HEATING AND VENTILATING UNIT	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
METAL DUCTWORK	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
SUPPLY FAN	Does not exist
UNIT VENTILATOR	Does not exist