

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

Mechanical Inspection

X174

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

InspectionId	Inspection Type	Time In	Last Edited
1198077	MECHANICAL	2009-02-23 09:16AM	2009-07-02 11:29AM

Asset Data

Question	Answer
Heating Plant Oil Number	6
Have any Systems/Major Building Components been upgraded?	Systems: Thermostats Years: 2001 Systems: MDF Room DX split air-conditioning. Years: 2005 Systems: 2nd floor Window air-conditioners Years: 2007

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
Window Type A/C	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
CENTRAL ACID WASTE NEUTRALIZING TANK	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
CLIMATE CONTROL SYSTEM	Inspected
Damper Actuator	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DDC Computer	Does not exist
Local Control Panel	Does not exist
Pneumatic PRV Station	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Pneumatic Tubing	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded

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Question	Response
CLIMATE CONTROL SYSTEM	
Refrigerated Air Dryer	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Temperature Control Air Compressor	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Temperature Control Thermostat	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Temperature Control Zone Valve	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Valve	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
COMPACTOR	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
CONVEYING	Inspected
Dumbwaiters	Does not exist
Elevators	Inspected
Condition	3- 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	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

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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Hot Water System	
Domestic Water Heat Exchanger	
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
Domestic Water Distribution Piping	
Condition	Inspected
Condition	3- Fair
Deficiency	LEAKS
Deficiency Location/Instance	4th floor hall drinking fountain.
Deficiency Quantity	10
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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 boiler room
Deficiency Quantity	2
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
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

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Question	Response
FIXTURES	
Staff And Other	
Lavatory/Sink	
Deficiency	No deficiencies recorded
Toilet	
Condition	Inspected
Deficiency	3- Fair
Urinal	
Condition	Inspected
Deficiency	3- Fair
Student	
Condition	Inspected
Drinking Fountain	
Condition	Inspected
Deficiency	3- Fair
Lavatory/Sink	
Condition	No deficiencies recorded
Deficiency	Inspected
Locker Room Shower	
Condition	3- Fair
Alternative Use	Yes
Deficiency	NOT IN USE
Deficiency Location/Instance	2nd floor gymnasium
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	
Condition	Does not exist
Toilet	
Condition	Inspected
Deficiency	3- Fair
Urinal	
Condition	No deficiencies recorded
Deficiency	Inspected
GAS FIRED FURNACE	
Condition	Does not exist
GAS SERVICE	
Gas Distribution Piping	
Condition	Inspected
Deficiency	3- Fair
Gas Meter Room Exhaust Fan	
Condition	No deficiencies recorded
Gas Meter Room Vent	
Condition	Does not exist
Gas Pressure Booster	
Condition	Does not exist
HEATING	
Baseboard/Fin Tube	
Condition	Inspected
Deficiency	3- Fair
Heating Coils In Ductwork	
Condition	No deficiencies recorded
Hydronic Heating	
Condition	Does not exist
Radiator / Convect	
Condition	Inspected
Deficiency	3- Fair
Steam Heating	
Condition	No deficiencies recorded
F&T/Steam Drip Trap	
Condition	Inspected

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Question	Response
HEATING	
Steam Heating	
F&T/Steam Drip Trap	
Condition	3- Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return System	
Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE PUMP
Deficiency Location/Instance	Basement boiler room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Trap	
Condition	3- Fair
Deficiency	No deficiencies recorded
STEAM SUPPLIED BY EXTERNAL SOURCES	
Terminal Fan Coil Unit	
Does not exist	
Unit Heater/Cabinet Heater	
Does not exist	
HEATING PLANT	
Replacement Quantity	14,661
Replacement Uom	MBH
Boiler Auxiliaries	
Boiler Blowdown/Piping System	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Breeching	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Damper (In Breeching)	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	
Boiler Feedwater Pump	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater Tank	
Condition	3- Fair
Deficiency	No deficiencies recorded
Feedwater Piping	
Inspected	

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Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Feedwater System	
Feedwater Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater Treatment(Automatic)	
	Does not exist
Boiler Gas Burner	
	Does not exist
Boiler Gas/Oil Burner	
	Does not exist
Boiler Header Valve	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	
	Does not exist
Boiler Make-up Water Piping	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Boiler Oil Burner	
Condition	Inspected
Deficiency	3- Fair
Deficiency Location/Instance	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Quantity	1st floor boiler room
Quantity Uom	3
Potential Action	EACH
Urgency of Action	REPLACE
Purpose of Action	PRIORITY 1
Violations	LEVEL 2
	No violations recorded
Boiler Room Steam And Condensate Piping	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Boiler Safety Valve	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Burner Control Panel	
Condition	Inspected
Deficiency	3- Fair
Deficiency Location/Instance	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Quantity	Basement boiler room
Quantity Uom	3
Potential Action	EACH
Urgency of Action	REPLACE
Purpose of Action	PRIORITY 1
Violations	LEVEL 2
	No violations recorded
Boiler System	
	Inspected
Coal-fired Boiler	
	Does not exist
Hot Water Boiler	
	Does not exist
Modular Boiler	
	Does not exist
Steam Boiler	
Instance	Inspected
Instance Condition	Basement boiler room
Instance Quantity	3- Fair
Instance Quantity Uom	4,887
Manufacturer	MBH
EquipmentId	Kewanee
Capacity/Size	56642-1
Installation Year	6294 MBH Gross
	1972

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Question	Response
HEATING PLANT	
Boiler System	
Steam Boiler	
Deficiency	No deficiencies recorded
Instance	Basement boiler room
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
Deficiency	No deficiencies recorded
Instance	Basement boiler room
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
Deficiency	No deficiencies recorded
Fuel Systems	Inspected
Boiler Fresh Air Louver/Damper	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
CO/Gas Leak Detection	Does not exist
Fuel Oil Heater	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Oil Level Gauge	Inspected
Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE
Deficiency Location/Instance	Basement boiler room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Trains And Vent At The Boiler	Does not exist
Oil Leak Detector In Tank Room	Does not exist
Overfill Alarm By Oil Fill	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
KITCHEN	Inspected

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Question	Response
KITCHEN	
Instance	1st floor kitchen
CO Detector	
Instance on 1st floor kitchen	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
CO/Gas Leak Detector	
Instance on 1st floor kitchen	Does not exist
Gas System	
Instance on 1st floor kitchen	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Grease Trap	
Instance on 1st floor kitchen	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood	
Instance on 1st floor kitchen	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Exhaust Ductwork	
Instance on 1st floor kitchen	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Exhaust Fan	
Instance on 1st floor kitchen	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Fire Suppression System	
Instance on 1st floor kitchen	Does not exist
Hot Water Temperature Booster	
Instance on 1st floor kitchen	Does not exist
Kitchen Sink	
Instance on 1st floor kitchen	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
SCIENCE DEMO ROOM	Inspected
Instance	Rooms 230,330 & 430
Alternative Use	Yes
Acid Waste Neutralizing Tank	
Instance on Rooms 230,330 & 430	Does not exist
Emergency Shower	
Instance on Rooms 230,330 & 430	Does not exist
Eye Wash	
Instance on Rooms 230,330 & 430	Does not exist
Laboratory Hood	
Instance on Rooms 230,330 & 430	Does not exist
Laboratory Sink	
Instance on Rooms 230,330 & 430	Inspected
Instance Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Rooms 230, 330 & 430
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	NO ACTION

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Question	Response
SCIENCE DEMO ROOM	
Laboratory Sink	
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
SCIENCE LAB	
	Inspected
Instance	Room 232
Alternative Use	No
Instance	Rooms 236,332,336,432 & 436
Alternative Use	No
Acid Waste Neutralizing Tank	
Instance on Room 232	Does not exist
Instance on Rooms 236,332,336,432 & 436	Does not exist
CO Detector	
Instance on Room 232	Does not exist
Instance on Rooms 236,332,336,432 & 436	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
CO/Gas Leak Detector	
Instance on Room 232	Does not exist
Instance on Rooms 236,332,336,432 & 436	Does not exist
Emergency Shower	
Instance on Room 232	Does not exist
Instance on Rooms 236,332,336,432 & 436	Does not exist
Eye Wash	
Instance on Room 232	Does not exist
Instance on Rooms 236,332,336,432 & 436	Does not exist
Hood Exhaust Ductwork	
Instance on Room 232	Does not exist
Instance on Rooms 236,332,336,432 & 436	Does not exist
Hood Exhaust Fan	
Instance on Room 232	Does not exist
Instance on Rooms 236,332,336,432 & 436	Does not exist
Laboratory Hood	
Instance on Room 232	Does not exist
Instance on Rooms 236,332,336,432 & 436	Does not exist
Laboratory Sink	
Instance on Room 232	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Instance on Rooms 236,332,336,432 & 436	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Make-up Air Unit	
Instance on Room 232	Does not exist
Instance on Rooms 236,332,336,432 & 436	Does not exist
SCIENCE PREP ROOM	
	Inspected
Instance	Rooms 234, 334 & 434
Alternative Use	No
Acid Waste Neutralizing Tank	
Instance on Rooms 234, 334 & 434	Does not exist
Emergency Shower	
Instance on Rooms 234, 334 & 434	Does not exist
Eye Wash	

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Question	Response
SCIENCE PREP ROOM	
Eye Wash	
Instance on Rooms 234, 334 & 434	Does not exist
Hood Exhaust Ductwork	
Instance on Rooms 234, 334 & 434	Does not exist
Hood Exhaust Fan	
Instance on Rooms 234, 334 & 434	Does not exist
Laboratory Hood	
Instance on Rooms 234, 334 & 434	Does not exist
Laboratory Sink	
Instance on Rooms 234, 334 & 434	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Make-up Air Unit	
Instance on Rooms 234, 334 & 434	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	MISSING CAPS
Deficiency Location/Instance	White plains Road
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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
Duct- Register / Diffuser	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	2nd floor gymnasium boys locker room ceiling exhaust register missing.
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Exhaust Fan	Inspected
Condition	3- Fair

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Question	Response
VENTILATION	
Exhaust Fan	
Deficiency	DEFECTIVE
Deficiency Location/Instance	Main roof EF-27, EF-30 & EF - 32
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE
Deficiency Location/Instance	Gymnasium roof
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Fire / Smoke Damper	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Heating And Ventilating Unit	Does not exist
Metal Ductwork	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Supply Fan	Does not exist
Unit Ventilator	Does not exist