

**NYC Department of Education
Building Condition Assessment Survey 2018-2019**

Mechanical Inspection

X008

School: P.S. 8 - BRONX, 3010 BRIGGS AVENUE, BRONX, NY, 10458

InspectionId	Inspection Type	Time In	Last Edited
2362	MECHANICAL	2019-02-12 08:35AM	2019-02-20 05:15PM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Domestic Hot Water System; DX Split Systems for Kitchen; MDF Room - Dedicated A/C Equipment (DX Split System); Boiler Emergency Stop Switches Years: 2009 Systems: F&T/Steam Drip Traps (~50%); Boiler #4 re-tubed Years: 2017 Systems: Boiler #3 re-tubed Years: 2015
Are there fuel tanks?	Yes
Total # of above ground tanks	1
Total capacity of all above ground tanks in gal.	10,000
Total # of below ground tanks	0
Total capacity of all below ground tanks in gal.	0
Total # of water main service entries to the asset	3
MERS/Fan Rooms Locations	Boiler Room Mechanical Area; MER 213
Are there any Emergency Stop Switches with Missing Hammers?	No components

Priority Condition

Exist Last Year?	Priority Category	Condition Description	Component Affected	Location Description	Person(s) Notified	Person(s) Title	Photo Image
No	Defective Boiler Safety Auxiliary	Water Column Assembly: Leaking	Steam Boiler	Boiler Room / Boiler #3	Brendan Egan	Fireman	No Photo Taken
No	Defective Emergency Stop Switch	Protective glass is broken	Boiler Emergency Stop Switch	Boiler Room Entrance	Brendan Egan	Fireman	No Photo Taken

Inspection

Question	Response
Mechanical	
AIR CONDITIONING	Inspected
Chilled Water System	Does not exist
Condenser Water Distribution: Piping, Pumps and Auxiliaries	Does not exist
Cooling Coil in Ductwork	Does not exist
Cooling Tower	Does not exist
Dry Cooler	Does not exist
DX Split System	Inspected
Indoor Unit	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Outdoor Unit	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Packaged / Rooftop Unit	Inspected
Instance	Cafeteria Roof
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	York
EquipmentId	N/A
Capacity/Size Quantity	4
Capacity/Size UOM	Tons
Source of Capacity/Size	Inspector Estimate

**NYC Department of Education
Building Condition Assessment Survey 2018-2019**

Mechanical Inspection

X008

Question	Response
AIR CONDITIONING	
Packaged / Rooftop Unit	
Installation Year	2000
Source of Installation Year	Custodial Staff
Source of Heating	N/A
Deficiency	No deficiencies recorded
Packaged Terminal A/C	Does not exist
Refrigerant Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Return Fan	Does not exist
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not exist
CLIMATE CONTROL SYSTEM	Inspected
BMS	Does not exist
Electric System	Does not exist
Hybrid System	Does not exist
Pneumatic System	Inspected
Instance	Throughout
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 204, 301 and other locations
Deficiency Quantity	5
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
COMPACTOR	Does not exist
CONVEYING	Does not exist
DOMESTIC WATER SYSTEM	Inspected
Domestic Cold Water System	Inspected
Gravity System	Does not exist
Pressure Booster System	Does not exist
Water Service	Inspected
Instance	Basement - Sprinkler/Gas/Water Meter Room B2, Crawlspace - Bainbridge Avenue Side
Instance Condition	3- Fair
Instance Quantity	3
Instance Quantity Uom	EACH
Deficiency	WATER MAIN:MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	Basement - Sprinkler/Gas/Water Meter Room B2, Crawlspace - Bainbridge Avenue Side
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Domestic Hot Water System	Inspected
Domestic Hot Water Remote Storage Tank	Inspected
Condition	3- Fair

**NYC Department of Education
Building Condition Assessment Survey 2018-2019**

Mechanical Inspection

X008

Question	Response
DOMESTIC WATER SYSTEM	
Domestic Hot Water System	
Domestic Hot Water Remote Storage Tank	
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Boiler Room Mechanical Area
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Domestic Water Heat Exchanger	Does not exist
Electric Domestic Water Heater	Does not exist
Gas Fired Domestic Water Heater	Inspected
Instance	Boiler Room Mechanical Area
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	RayPak
EquipmentId	N/A
Capacity/Size Quantity	512
Capacity/Size UOM	MBH Input
Capacity/Size 2 Quantity	0
Capacity/Size 2 UOM	Gallons
Source of Capacity/Size	Documented
Installation Year	2009
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
Oil Fired Domestic Water Heater	Does not exist
Domestic Water Distribution Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DRAIN/WASTE/VENT AND STORM SYSTEM	Inspected
Interior Storm Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sewage Ejector Pump	Does not exist
Sewage/Waste/Vent Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sump Pump	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	Does not exist
Enclosed IDF Room	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

**NYC Department of Education
Building Condition Assessment Survey 2018-2019**

Mechanical Inspection

X008

Question	Response
FIXTURES	
Staff And Other	
Toilet	
Condition	3- Fair
Deficiency	No deficiencies recorded
Urinal	
Condition	3- Fair
Deficiency	No deficiencies recorded
Student	
Inspected	Inspected
Drinking Fountain	
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	
Condition	3- Fair
Deficiency	No deficiencies recorded
Locker Room Shower	
Does not exist	Does not exist
Sink And Fountain Combo Unit	
Inspected	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Toilet	
Inspected	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Urinal	
Inspected	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	
Does not exist	Does not exist
GAS SERVICE	
Inspected	Inspected
CO/Gas Leak Detection	
Inspected	Inspected
Instance	Boiler Room, Sprinkler/Gas/Water Meter Room B2
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Installation Year	2003
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
Gas Distribution Piping	
Inspected	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Gas Meter Room Exhaust Fan	
Does not exist	Does not exist
Gas Meter Room Vent	
Inspected	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Pressure Booster	
Does not exist	Does not exist
HEATING	
Inspected	Inspected
Heating Coil In Ductwork	
Inspected	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Hydronic Heating	
Does not exist	Does not exist
Radiator/Convactor/Fin Tube	
Inspected	Inspected
Condition	3- Fair
Deficiency	RADIATOR/CONVECTOR:DEFECTIVE
Deficiency Location/Instance	3rd Floor Boy's Toilet Room
Deficiency Quantity	1

**NYC Department of Education
Building Condition Assessment Survey 2018-2019**

Mechanical Inspection

X008

Question	Response
HEATING	
Radiator/Convactor/Fin Tube	
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Heating	Inspected
F&T/Steam Drip Trap	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Crawlspaces, Boiler Room and other locations
Deficiency Quantity	5
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
MER Steam and Condensate Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Piping	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Basement - East Crawlspace
Deficiency Quantity	10
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Condensate Return Pumping System	Inspected
Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE PUMP
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE TANK
Deficiency Location/Instance	Boiler Room (level sight glass, tank float)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Trap	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE/DETERIORATED

**NYC Department of Education
Building Condition Assessment Survey 2018-2019**

Mechanical Inspection

X008

Question	Response
HEATING	
Steam Heating	
Terminal Unit Thermostatic Trap	
Deficiency Location/Instance	1st Floor Corridor, 2nd Floor Corridor and other locations
Deficiency Quantity	12
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam supplied by External Sources	Does not exist
Unit Heater/Cabinet Heater	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
HEATING PLANT	
Replacement Quantity	8,074
Replacement Uom	MBH NET
Instance on Basement	Inspected
Burner Type	Oil
Heating Plant Oil Number	2
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	1- Good
Deficiency	DEFECTIVE
Deficiency Location/Instance	Boiler Entrance (broken protective glass)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Boiler Feedwater System	
Instance on Basement	Does not exist
Boiler Feedwater Treatment(Automatic)	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Flue Exhaust	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	DRAFT FAN:DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Make-up Water Backflow Preventer	

**NYC Department of Education
Building Condition Assessment Survey 2018-2019**

Mechanical Inspection

X008

Question	Response
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	DEFECTIVE ISOLATION VALVE
Deficiency Location/Instance	Boiler Room near Steam Header
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Safety Valve	
Instance on Basement	Inspected
Instance Condition	3- Fair
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	Boiler Room
Instance Condition	3- Fair
Instance Quantity	4,037
Instance Quantity Uom	MBH NET
Manufacturer	National U.S. Radiator Corp.
EquipmentId	7112-3
Capacity/Size Quantity	5360
Capacity/Size UOM	Lbs/Hr steam
Source of Capacity/Size	Documented
Installation Year	1957
Source of Installation Year	Documented
Deficiency	DEFECTIVE SAFETY AUXILIARY: LOW-WATER CUT-OFF, WATER COLUMN ASSEMBLY
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Quantity	10
Quantity Uom	S.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded

**NYC Department of Education
Building Condition Assessment Survey 2018-2019**

Mechanical Inspection

X008

Question	Response
HEATING PLANT	
Boiler System	
Steam Boiler	
Deficiency	BEYOND USEFUL LIFE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	4,037
Instance Quantity Uom	MBH NET
Manufacturer	National U.S. Radiator Corp.
EquipmentId	7112-4
Capacity/Size Quantity	5360
Capacity/Size UOM	Lbs/Hr steam
Source of Capacity/Size	Documented
Installation Year	1957
Source of Installation Year	Documented
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Quantity	50
Quantity Uom	S.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	BEYOND USEFUL LIFE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Fuel System	
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	No deficiencies 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	Inspected
Instance Condition	3- Fair
Deficiency	NOT IN USE

**NYC Department of Education
Building Condition Assessment Survey 2018-2019**

Mechanical Inspection

X008

Question	Response
HEATING PLANT	
Fuel System	
Gas Trains And Vent At The Boiler	
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
KITCHEN	
Instance on 1st Floor	Inspected
CO Detector	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Gas System	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Grease Trap	
Instance on 1st Floor	Does not exist
Hood	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Exhaust Ductwork	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Exhaust Fan	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Fire Suppression System	
Instance on 1st Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Hot Water Temperature Booster	
Instance on 1st Floor	Does not exist
Kitchen Sink	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
MDF Room	
Instance on Original Building - Room by Cafeteria Entrance	Inspected
Dedicated A/C Equipment	
Instance on Original Building - Room by Cafeteria Entrance	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
SCIENCE DEMO ROOM	
	Does not exist
SCIENCE LAB	
	Does not exist
SCIENCE PREP ROOM	
	Does not exist

**NYC Department of Education
Building Condition Assessment Survey 2018-2019**

Mechanical Inspection

X008

Question	Response
SPRINKLERS, STANDPIPE, FIRE SYSTEM	Inspected
Dry Sprinkler Alarm Valve Assembly	Does not exist
Fire Booster Pump Assembly	Does not exist
Roof Tank	Does not exist
Siamese Connection	Does not exist
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
Wet Sprinkler Alarm Valve Assembly	Inspected
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Sprinkler/Gas/Water Meter Room B2
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
SWIMMING POOL	Does not exist
VENTILATION	Inspected
Exhaust Fan	Inspected
Condition	3- Fair
Approximate Total # of Fans	1-25
Deficiency	DEFECTIVE MOTOR
Deficiency Location/Instance	Main Roof
Deficiency Quantity	4
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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	Inspected
Condition	3- Fair
Approximate Total # of Fans	1-5
Deficiency	No deficiencies recorded
Unit Ventilator	Does not exist