

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

**Mechanical Inspection**

**X094**

School: **P.S. 94 - BRONX, 3530 KINGS COLLEGE PL, BRONX, NY, 10467**

InspectionId	Inspection Type	Time In	Last Edited
3812	MECHANICAL	2019-04-15 08:45AM	2019-04-27 02:23PM

**Asset Data**

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Kitchen - Grease Trap; Fixtures - Toilets Years: 2018 Systems: MDF Room - Dedicated A/C Equipment (DX Split System) Years: 2011 Systems: Domestic Hot Water System Years: 2010
Are there fuel tanks?	Yes
Total # of above ground tanks	1
Total capacity of all above ground tanks in gal.	7,500
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	1
MERs/Fan Rooms Locations	Basement Mechanical Area
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 condition recorded							

**Inspection**

Question	Response
<b>Mechanical</b>	
<b>AIR CONDITIONING</b>	Does not exist
<b>CENTRAL ACID WASTE NEUTRALIZING TANK</b>	Does not exist
<b>CLIMATE CONTROL SYSTEM</b>	Inspected
<b>BMS</b>	Does not exist
<b>Electric System</b>	Does not exist
<b>Hybrid System</b>	Does not exist
<b>Pneumatic System</b>	Inspected
Instance	Throughout
Instance Condition	4- Between Fair and Poor
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	0-20%
Deficiency	DEFECTIVE TEMPERATURE CONTROL THERMOSTAT
Deficiency Location/Instance	Various Locations
Deficiency Quantity	36
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE TERMINAL UNIT CONTROL VALVE
Deficiency Location/Instance	Corridor adjacent to Boy's Toilet Room 356
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2

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

**Mechanical Inspection**

**X094**

Question	Response
<b>CLIMATE CONTROL SYSTEM</b>	
<b>Pneumatic System</b>	
Violations	No violations recorded
<b>COMPACTOR</b>	Does not exist
<b>CONVEYING</b>	Does not exist
<b>DOMESTIC WATER SYSTEM</b>	Inspected
<b>Domestic Cold Water System</b>	Inspected
<b>Gravity System</b>	Does not exist
<b>Pressure Booster System</b>	Does not exist
<b>Water Service</b>	Inspected
Instance	Boiler Room - Kings College Place Side
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Deficiency	WATER MAIN:DEFECTIVE ISOLATION VALVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	WATER MAIN:MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	Boiler Room - Kings College Place Side
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>Domestic Hot Water System</b>	Inspected
<b>Domestic Hot Water Remote Storage Tank</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Domestic Water Heat Exchanger</b>	Does not exist
<b>Electric Domestic Water Heater</b>	Does not exist
<b>Gas Fired Domestic Water Heater</b>	Inspected
Instance	Boiler Room
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Rheem / Ruud
EquipmentId	N/A
Capacity/Size Quantity	399
Capacity/Size UOM	MBH Input
Capacity/Size 2 Quantity	0
Capacity/Size 2 UOM	Gallons
Source of Capacity/Size	Documented
Installation Year	2010
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
<b>Oil Fired Domestic Water Heater</b>	Does not exist
<b>Domestic Water Distribution Piping</b>	Inspected
Condition	3- Fair

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

**Mechanical Inspection**

**X094**

<b>Question</b>	<b>Response</b>
<b>DOMESTIC WATER SYSTEM</b>	
<b>Domestic Water Distribution Piping</b>	
Deficiency	No deficiencies recorded
<b>DRAIN/WASTE/VENT AND STORM SYSTEM</b>	
<b>Interior Storm Piping</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Sewage Ejector Pump</b>	Does not exist
<b>Sewage/Waste/Vent Piping</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Sump Pump</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)</b>	
<b>Enclosed IDF Room</b>	Does not exist
<b>FIXTURES</b>	
<b>Staff And Other</b>	Inspected
<b>Janitor Sink</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Lavatory/Sink</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Toilet</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Urinal</b>	Does not exist
<b>Student</b>	Inspected
<b>Drinking Fountain</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Lavatory/Sink</b>	Inspected
Condition	3- Fair
Deficiency	CLOGGED/LEAKING
Deficiency Location/Instance	Boy's Toilet Room 356, Girl's Toilet Room 456
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>Locker Room Shower</b>	Inspected
Instance on Room within Room 452	Inspected
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Alternative Use	Yes
Deficiency	No deficiencies recorded
<b>Sink And Fountain Combo Unit</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Toilet</b>	Inspected

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

***Mechanical Inspection***

**X094**

<b>Question</b>	<b>Response</b>
<b>FIXTURES</b>	
<b>Student</b>	
<b>Toilet</b>	
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Urinal</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>GAS FIRED FURNACE</b>	Does not exist
<b>GAS SERVICE</b>	Inspected
<b>CO/Gas Leak Detection</b>	Inspected
Instance	Basement - Boiler Room, Gas Meter Room
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Installation Year	2001
Source of Installation Year	Inspector Estimate
Deficiency	BEYOND USEFUL LIFE
Deficiency Location/Instance	Basement - Boiler Room, Gas Meter Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>Gas Distribution Piping</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Gas Meter Room Exhaust Fan</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Gas Meter Room Vent</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Gas Pressure Booster</b>	Does not exist
<b>HEATING</b>	Inspected
<b>Heating Coil In Ductwork</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Hydronic Heating</b>	Does not exist
<b>Radiator/Convactor/Fin Tube</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Steam Heating</b>	Inspected
<b>F&amp;T/Steam Drip Trap</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>MER Steam and Condensate Piping</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Steam Condensate Return Piping</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded

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

***Mechanical Inspection***

**X094**

<b>Question</b>	<b>Response</b>
<b>HEATING</b>	
<b>Steam Heating</b>	
<b>Steam Condensate Return Pumping System</b>	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE PUMP
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>Steam Piping</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Terminal Unit Thermostatic Trap</b>	Inspected
Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Various Locations
Deficiency Quantity	60
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>Steam supplied by External Sources</b>	Does not exist
<b>Unit Heater/Cabinet Heater</b>	Does not exist
<b>HEATING PLANT</b>	
Replacement Quantity	9,096
Replacement Uom	MBH NET
Instance on Basement	Inspected
Burner Type	Dual Fuel (Gas/Oil)
Heating Plant Oil Number	2
<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	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	FEEDWATER PUMP:DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>Boiler Feedwater Treatment(Automatic)</b>	

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

**Mechanical Inspection**

**X094**

Question	Response
<b>HEATING PLANT</b>	
<b>Boiler Auxiliaries</b>	
<b>Boiler Feedwater Treatment(Automatic)</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<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	3- 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	3- Fair
Deficiency	No deficiencies recorded
<b>Boiler System</b>	
Instance on Basement	Inspected
<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	Boiler Room
Instance Condition	2- Between Good and Fair
Instance Quantity	4,548
Instance Quantity Uom	MBH NET
Manufacturer	A. L. Eastmond & Sons Inc.
EquipmentId	6140-1
Capacity/Size Quantity	4548
Capacity/Size UOM	MBH Net
Source of Capacity/Size	Documented
Installation Year	2001
Source of Installation Year	Inspector Estimate
Deficiency	No deficiencies recorded
Instance	Boiler Room
Instance Condition	2- Between Good and Fair
Instance Quantity	4,548
Instance Quantity Uom	MBH NET
Manufacturer	A. L. Eastmond & Sons Inc.
EquipmentId	6140-2
Capacity/Size Quantity	4548
Capacity/Size UOM	MBH Net
Source of Capacity/Size	Documented
Installation Year	2001

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

***Mechanical Inspection***

**X094**

<b>Question</b>	<b>Response</b>
<b>HEATING PLANT</b>	
<b>Boiler System</b>	
<b>Steam Boiler</b>	
Source of Installation Year	Inspector Estimate
Deficiency	No deficiencies recorded
<b>Fuel System</b>	
Instance on Basement	Inspected
<b>Boiler Fresh Air Louver/Damper</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<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	No deficiencies recorded
<b>Gas Trains And Vent At The Boiler</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>KITCHEN</b>	
Instance on 1st Floor	Inspected
<b>CO Detector</b>	
Instance on 1st Floor	Not required
<b>Gas System</b>	
Instance on 1st Floor	Does not exist
<b>Grease Trap</b>	
Instance on 1st Floor	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Hood</b>	
Instance on 1st Floor	Does not exist
<b>Hood Exhaust Ductwork</b>	
Instance on 1st Floor	Does not exist
<b>Hood Exhaust Fan</b>	
Instance on 1st Floor	Does not exist
<b>Hood Fire Suppression System</b>	
Instance on 1st Floor	Does not exist
<b>Hot Water Temperature Booster</b>	
Instance on 1st Floor	Does not exist
<b>Kitchen Sink</b>	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
<b>MDF Room</b>	
Instance on Room inside Room 460	Inspected
<b>Dedicated A/C Equipment</b>	
Instance on Room inside Room 460	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded

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

**Mechanical Inspection**

**X094**

<b>Question</b>	<b>Response</b>
<b>SCIENCE DEMO ROOM</b>	Does not exist
<b>SCIENCE LAB</b>	Does not exist
<b>SCIENCE PREP ROOM</b>	Does not exist
<b>SPRINKLERS, STANDPIPE, FIRE SYSTEM</b>	Inspected
<b>Dry Sprinkler Alarm Valve Assembly</b>	Does not exist
<b>Fire Booster Pump Assembly</b>	Does not exist
<b>Roof Tank</b>	Does not exist
<b>Siamese Connection</b>	Does not exist
<b>Sprinkler Head</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Sprinkler Piping</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Standpipe System</b>	Does not exist
<b>Water Gong</b>	Does not exist
<b>Wet Sprinkler Alarm Valve Assembly</b>	Does not exist
<b>SWIMMING POOL</b>	Does not exist
<b>VENTILATION</b>	Inspected
<b>Exhaust Fan</b>	Inspected
Condition	3- Fair
Approximate Total # of Fans	1-25
Deficiency	NOT IN USE
Deficiency Location/Instance	Basement Mechanical Area / Play Room EF
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>Heating And Ventilating Unit</b>	Does not exist
<b>Metal Ductwork</b>	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE REGISTER/DIFFUSER
Deficiency Location/Instance	Gymnasium
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DAMAGED FLEXIBLE CONNECTION
Deficiency Location/Instance	Basement Mechanical Area @ Auditorium EF, Play Room BL, 3rd Floor Gymnasium, 4th Floor Gymnasium EFs
Deficiency Quantity	4
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE/DETERIORATED DUCTWORK
Deficiency Location/Instance	Basement Mechanical Area @ Auditorium BL
Deficiency Quantity	30
Quantity Uom	L.F.
Potential Action	REPLACE



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

***Mechanical Inspection***

**X094**

<b>Question</b>	<b>Response</b>
<b>VENTILATION</b>	
<b>Metal Ductwork</b>	
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>Supply Fan</b>	
Condition	Inspected
Approximate Total # of Fans	3- Fair
Deficiency	1-5
Deficiency Location/Instance	NOT IN USE
Deficiency Quantity	Basement Mechanical Area / 4th Floor Gymnasium BL
Quantity Uom	1
Potential Action	EACH
Urgency of Action	NO ACTION
Purpose of Action	PRIORITY 1
Violations	LEVEL 1
	No violations recorded
<b>Unit Ventilator</b>	
Condition	Inspected
Deficiency	4- Between Fair and Poor
Deficiency Location/Instance	DEFECTIVE
Deficiency Quantity	Various Locations
Quantity Uom	35
Potential Action	EACH
Urgency of Action	REPAIR
Purpose of Action	PRIORITY 3
Violations	LEVEL 2
	No violations recorded