

**NYC Department of Education
Building Condition Assessment Survey 2023-2024**

Mechanical Inspection

X138


Asset: P.S. 138 - BRONX, 2060 LAFAYETTE AVENUE, BRONX, NY, 10473

Inspection Id	Inspection Type	Time In	Last Edited
4190	MECHANICAL	2024-03-22 07:10AM	2024-05-02 03:23PM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Enclosed IDF Room - Dedicated A/C Equipment (DX Split System); MDF Room - Dedicated A/C Equipment (DX Split System) Years: 2023 Systems: Exhaust Fans (~30%) Years: 2020 Systems: Climate Control System: Air Compressor, Refrigerated Air Dryers, Pneumatic PRV Station; Steam Condensate Return Pumping System; F&T/Steam Drip Traps; Terminal Unit Thermostatic Traps Years: 2019 Systems: Student Fixtures - Toilets Years: 2016 Systems: Staff Fixtures - Urinals; Exhaust Fans (~20%) Years: 2015 Systems: Kitchen - Hood Exhaust Fan Years: 2014
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	MER B12; Boiler Room Mechanical Area
Are there any spaces with Missing or Defective CO Detectors?	No
Are there any Painted/Obstructed Sprinkler Heads?	Yes
Location(s)	Basement - Paint Room (painted, 1)
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
Yes	Defective Boiler Safety Auxiliary	(4)	Boiler Safety Valve	Boiler Room @ Boiler #1, #2	Galan Sanders	Fireman	

Inspection

Question	Response
Mechanical	
AIR CONDITIONING	Does not exist
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not exist
CLIMATE CONTROL SYSTEM	Inspected
BMS	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%

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Question	Response
CLIMATE CONTROL SYSTEM	
Pneumatic System	
Deficiency	No deficiencies recorded
Hybrid System	Does not exist
Electric System	Does not exist
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, Crawlspace by MER B12
Instance Condition	2- Between Good and Fair
Instance Quantity	3
Instance Quantity Uom	EACH
Deficiency	WATER MAIN:MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	Basement - Sprinkler/Gas/Water Meter Room, Crawlspace by MER B12
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	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
Heat Pump 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/Waste/Vent Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sewage Ejector Pump	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
FIXTURES	Inspected

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Question	Response
FIXTURES	
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	2- Between Good and Fair
Deficiency	No deficiencies recorded
Student	Inspected
Drinking Fountain	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Locker Room Shower	Inspected
Instance on Inside Room 132 - Girls	Inaccessible
Instance on Inside Room 134 - Boys	Inaccessible
Sink And Fountain Combo Unit	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Toilet	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Urinal	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	Does not exist
GAS SERVICE	Inspected
Gas Distribution Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Meter Room Exhaust Fan	Does not exist
Gas Meter Room Vent	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Pressure Booster	Does not exist
CO/Gas Leak Detection	Does not exist
HEATING	Inspected
Heating Coil In Ductwork	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Hydronic Heating	Does not exist
Radiator/Convactor/Fin Tube	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Heating	Inspected

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Question	Response
HEATING	
Steam Heating	
F&T/Steam Drip Trap	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Pumping System	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Steam Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Trap	Inspected
Condition	2- Between Good and Fair
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Rooms 104, 105, 107, 115 and other locations
Deficiency Quantity	10
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	4- Between Fair and Poor
Deficiency	DEFECTIVE
Deficiency Location/Instance	Main Entrance (1 of 1)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
HEATING PLANT	Inspected
Instance on Basement	Inspected
Is there a water meter on the boiler make-up water piping?	No
Burner Manufacturer	Preferred Utilities
Burner Model	BHE 6 3M4
Burner Type	Oil
Heating Plant Oil Number	4
Boiler Auxiliaries	Inspected
Instance on Basement	Inspected
Boiler Auxiliary Piping	Inspected
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	Inspected
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded

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Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Feedwater System	
Instance on Basement	Does not exist
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	
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	5- Poor
Deficiency	DEFECTIVE
Deficiency Location/Instance	Boiler Room @ Boiler #1, #2
Deficiency Quantity	4
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations 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 on Basement	Inspected
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	3,602
Instance Quantity Uom	MBH NET
Cast Iron Boiler?	No
Manufacturer	Kewanee Boiler Corporation
EquipmentId	47013-01
Capacity/Size Quantity	40
Capacity/Size UOM	Burner GPH
Source of Capacity/Size	Documented
Installation Year	1958
Source of Installation Year	Documented
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Quantity	80
Quantity Uom	S.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3

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Question	Response
HEATING PLANT	
Boiler System	
Steam Boiler	
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	RUSTED CASING
Deficiency Quantity	30
Quantity Uom	S.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DAMAGED REFRACTORY
Deficiency Quantity	40
Quantity Uom	S.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	3,602
Instance Quantity Uom	MBH NET
Cast Iron Boiler?	No
Manufacturer	Kewanee Boiler Corporation
EquipmentId	47013-02
Capacity/Size Quantity	40
Capacity/Size UOM	Burner GPH
Source of Capacity/Size	Documented
Installation Year	1958
Source of Installation Year	Documented
Deficiency	LEAKY/PLUGGED TUBES
Deficiency Quantity	7
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
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
Deficiency	DAMAGED REFRACTORY
Deficiency Quantity	40
Quantity Uom	S.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Fuel System	
Instance on Basement	Inspected
Boiler Fresh Air Louver/Damper	
Instance on Basement	Inspected

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HEATING PLANT	
Fuel System	
Boiler Fresh Air Louver/Damper	
Instance Condition	3- Fair
Type	Automatic
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	Does not exist
Enclosed IDF Room	
Instance on Room 213	Inspected
Dedicated A/C Equipment	
Instance on Room 213	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
KITCHEN	
Instance on 1st Floor	Inspected
CO Detector	
Instance on 1st Floor	Inspected
Instance Condition	1- Good
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	2- Between Good and Fair
Deficiency	No deficiencies recorded
Hood Fire Suppression System	
Instance on 1st Floor	Does not exist
Hot Water Temperature Booster	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Kitchen Sink	
Instance on 1st Floor	Inspected

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KITCHEN	
Kitchen Sink	
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
MDF Room	
Instance on Room inside Room B9	Inspected
Dedicated A/C Equipment	
Instance on Room inside Room B9	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
SCIENCE DEMO ROOM	
Does not exist	
SCIENCE LAB	
Does not exist	
SCIENCE PREP ROOM	
Does not exist	
SPRINKLERS, STANDPIPE, FIRE SYSTEM	
Inspected	
Dry Sprinkler Alarm Valve Assembly	
Does not exist	
Wet Sprinkler Alarm Valve Assembly	
Condition	3- Fair
Deficiency	No deficiencies recorded
Fire Booster Pump Assembly	
Does not exist	
Roof Tank	
Does not exist	
Siamese Connection	
Does not exist	
Sprinkler Head	
Condition	3- Fair
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Basement - Paint Room (painted, 1)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations 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	
Is the building Mechanically ventilated?	Yes
Exhaust Fan	
Inspected	
Condition	2- Between Good and Fair
Approximate Total # of Fans	1-25
Deficiency	No deficiencies recorded
Heating And Ventilating Unit	
Inspected	
Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE
Deficiency Location/Instance	MER 12
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Metal Ductwork	
Inspected	
Condition	3- Fair

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Question	Response
VENTILATION	
Metal Ductwork	
Are there any uninsulated ductwork by design in Mechanical rooms?	Yes
Are there chain operated dampers?	No
Deficiency	DAMAGED FLEXIBLE CONNECTION
Deficiency Location/Instance	MER 12 @ Auditorium BL #10
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Supply Fan	Inspected
Condition	3- Fair
Approximate Total # of Fans	1-5
Deficiency	No deficiencies recorded
Unit Ventilator	Does not exist