

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

Mechanical Inspection

X041

Asset: P.S. 41 - BRONX, 3352 OLINVILLE AVENUE, BRONX, NY, 10467

Inspection Id	Inspection Type	Time In	Last Edited
3155	MECHANICAL	2024-02-12 08:46AM	2024-03-22 02:35PM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Gas Pressure Boosters Years: 2022 Systems: Domestic Hot Water Remote Storage Tank Years: 2021 Systems: Climate Control System - BMS; Gas Fired Domestic Water Heater; Sump Pumps (2 of 3); F&T/Steam Drip Traps; Terminal Unit Thermostatic Traps; Steam Condensate Return Pumping System; Unit Heaters/Cabinet Heaters; Heating Plant; Gas Service; MER Steam and Condensate Piping Years: 2018 Systems: Students Fixtures - Lavatories/Sinks, Toilets (~90%), Urinals Years: 2017 Systems: MDF Room - Dedicated A/C Equipment (DX Split System) Years: 2016
Are there fuel tanks?	No
Total # of water main service entries to the asset	1
MERs/Fan Rooms Locations	MER 120
Are there any spaces with Missing or Defective CO Detectors?	No
Are there any Painted/Obstructed Sprinkler Heads?	Yes
Location(s)	Rooms B44, B46, B48 (painted, 7)
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
Mechanical	
AIR CONDITIONING	Does not exist
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not exist
CLIMATE CONTROL SYSTEM	Inspected
BMS	Inspected
Instance	Throughout
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Installation Year	2018
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
Pneumatic System	Inspected
Instance	Auditorium, Gymnasium
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Deficiency	No deficiencies recorded

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Question	Response
CLIMATE CONTROL SYSTEM	
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	Original Building: Sub-Basement - Water Main Area
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Deficiency	WATER MAIN:MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	Original Building: Sub-Basement - Water Main Area
Deficiency Quantity	1
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	1- Good
Deficiency	No deficiencies recorded
Domestic Water Heat Exchanger	Does not exist
Electric Domestic Water Heater	Inspected
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Gas Fired Domestic Water Heater	Inspected
Instance	Boiler Room
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Laars
EquipmentId	N/A
Capacity/Size Quantity	200
Capacity/Size UOM	MBH Input
Capacity/Size 2 Quantity	0
Capacity/Size 2 UOM	Gallons
Source of Capacity/Size	Documented
Installation Year	2018
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
Oil Fired Domestic Water Heater	Does not exist
Heat Pump Domestic Water Heater	Does not exist

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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Water Distribution Piping	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Boiler Room
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
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	Does not exist
Sump Pump	Inspected
Condition	2- Between Good and 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	CRACKED/PHYSICAL DAMAGE
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
Lavatory/Sink	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Locker Room Shower	Does not exist
Sink And Fountain Combo Unit	Inspected
Condition	3- Fair

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Question	Response
FIXTURES	
Student	
Sink And Fountain Combo Unit	
Deficiency	CRACKED/PHYSICAL DAMAGE
Deficiency Location/Instance	Room 129
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Toilet	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Urinal	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	Does not exist
GAS SERVICE	Inspected
Gas Distribution Piping	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Gas Meter Room Exhaust Fan	Does not exist
Gas Meter Room Vent	Does not exist
Gas Pressure Booster	Inspected
Instance	Original Building: SubBasement - Gas Pressure Booster Pumps Area
Instance Condition	1- Good
Instance Quantity	2
Instance Quantity Uom	EACH
Manufacturer	Eclipse
EquipmentId	N/A
Capacity/Size Quantity	17800
Capacity/Size UOM	SCFH
Source of Capacity/Size	Documented
Installation Year	2022
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
CO/Gas Leak Detection	Inspected
Instance	Original Building: Sub-Basement - Gas Pressure Booster Pumps Area, Boiler Room (gas detection)
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Installation Year	2018
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
Instance	Original Building: Sub-Basement - Boiler Room, outside Gas Pressure Booster Pumps Area; Basement - Corridor, Cafeteria, Kitchen (CO detection)
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Installation Year	2018
Source of Installation Year	Custodial Staff

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Question	Response
GAS SERVICE	
CO/Gas Leak Detection	
Deficiency	No deficiencies recorded
HEATING	
Heating Coil In Ductwork	
Condition	Inspected
Deficiency	2- Between Good and Fair
Deficiency Location/Instance	DEFECTIVE
Deficiency Quantity	MER 120 @ Auditorium Blower
Quantity Uom	1
Potential Action	EACH
Urgency of Action	MAINTENANCE
Purpose of Action	PRIORITY 3
Violations	LEVEL 2
	No violations recorded
Hydronic Heating	
	Does not exist
Radiator/Convactor/Fin Tube	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Steam Heating	
	Inspected
F&T/Steam Drip Trap	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
MER Steam and Condensate Piping	
Condition	Inspected
Deficiency	1- Good
	No deficiencies recorded
Steam Condensate Return Piping	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Steam Condensate Return Pumping System	
Condition	Inspected
Deficiency	1- Good
	No deficiencies recorded
Steam Piping	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Terminal Unit Thermostatic Trap	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
Steam supplied by External Sources	
	Does not exist
Unit Heater/Cabinet Heater	
Condition	Inspected
Deficiency	1- Good
	No deficiencies recorded
HEATING PLANT	
Instance on Original Building - Sub-Basement	Inspected
Is there a water meter on the boiler make-up water piping?	Yes
Observed Operational?	No
Burner Manufacturer	Webster
Burner Model	JB3G-50-LMV37-S-M.30VSD-UL-IRL
Burner Type	Gas
Heating Plant Oil Number	N/A
Boiler Auxiliaries	
Instance on Original Building - Sub-Basement	Inspected
Boiler Auxiliary Piping	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	1- Good

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HEATING PLANT	
Boiler Auxiliaries	
Boiler Auxiliary Piping	
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Feedwater System	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	1- Good
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
Boiler Feedwater Treatment(Automatic)	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Flue Exhaust	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	3- Fair
Deficiency	DEFECTIVE RPZ
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
Boiler Room Steam And Condensate Piping	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Safety Valve	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler System	
Instance on Original Building - Sub-Basement	Inspected
Coal-fired Boiler	
Instance on Original Building - Sub-Basement	Does not exist
Hot Water Boiler	
Instance on Original Building - Sub-Basement	Does not exist
Modular Boiler	
Instance on Original Building - Sub-Basement	Does not exist

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HEATING PLANT	
Boiler System	
Steam Boiler	
Instance on Original Building - Sub-Basement	Inspected
Instance on Original Building - Sub-Basement	Inspected
Instance	Boiler Room
Instance Condition	1- Good
Instance Quantity	4,040
Instance Quantity Uom	MBH NET
Cast Iron Boiler?	No
Manufacturer	Burnham
EquipmentId	3532-01
Capacity/Size Quantity	5204
Capacity/Size UOM	MBH Gross
Source of Capacity/Size	Documented
Installation Year	2018
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
Instance	Boiler Room
Instance Condition	1- Good
Instance Quantity	4,040
Instance Quantity Uom	MBH NET
Cast Iron Boiler?	No
Manufacturer	Burnham
EquipmentId	3532-02
Capacity/Size Quantity	5204
Capacity/Size UOM	MBH Gross
Source of Capacity/Size	Documented
Installation Year	2018
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
Fuel System	
Instance on Original Building - Sub-Basement	Inspected
Boiler Fresh Air Louver/Damper	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	1- Good
Type	Automatic
Deficiency	No deficiencies recorded
Burner/Burner Control Panel	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Fuel Oil Storage/Supply System	
Instance on Original Building - Sub-Basement	Does not exist
Gas Trains And Vent At The Boiler	
Instance on Original Building - Sub-Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Enclosed IDF Room	
Instance on 2nd Building Addition - Room B4; Original Building - Closet inside Room 101, Closet inside Room 301	Inspected
Dedicated A/C Equipment	
Instance on 2nd Building Addition - Room B4; Original Building - Closet inside Room 101, Closet inside Room 301	Inspected
Instance Condition	4- Between Fair and Poor

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Enclosed IDF Room	
Dedicated A/C Equipment	
Deficiency	DOES NOT EXIST
Deficiency Location/Instance	2nd Building Addition - Room B4; Original Building - Closet inside Room 101, Closet inside Room 301
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
KITCHEN	Inspected
Instance on Basement	Inspected
CO Detector	
Instance on Basement	Not required
Gas System	
Instance on Basement	Does not exist
Grease Trap	
Instance on Basement	Does not exist
Hood	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Exhaust Ductwork	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Exhaust Fan	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Fire Suppression System	
Instance on Basement	Does not exist
Hot Water Temperature Booster	
Instance on Basement	Does not exist
Kitchen Sink	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
MDF Room	Inspected
Instance on 2nd Building Addition - SubBasement	Inspected
Dedicated A/C Equipment	
Instance on 2nd Building Addition - SubBasement	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
SPRINKLERS, STANDPIPE, FIRE SYSTEM	Inspected
Dry Sprinkler Alarm Valve Assembly	Does not exist
Wet Sprinkler Alarm Valve Assembly	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Fire Booster Pump Assembly	Does not exist

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Question	Response
SPRINKLERS, STANDPIPE, FIRE SYSTEM	
Roof Tank	Does not exist
Siamese Connection	Does not exist
Sprinkler Head	Inspected
Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Rooms B44, B46, B48 (painted, 7)
Deficiency Quantity	7
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?	Partial
Exhaust Fan	Inspected
Condition	3- Fair
Approximate Total # of Fans	1-25
Deficiency	No deficiencies recorded
Heating And Ventilating Unit	Does not exist
Metal Ductwork	Inspected
Condition	3- Fair
Are there any uninsulated ductwork by design in Mechanical rooms?	Yes
Are there chain operated dampers?	Yes
Deficiency	No deficiencies recorded
Supply Fan	Inspected
Condition	3- Fair
Approximate Total # of Fans	1-5
Deficiency	No deficiencies recorded
Unit Ventilator	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded