

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

Mechanical Inspection

X030

Asset: P.S. 30 - BRONX, 510 EAST 141 STREET, BRONX, NY, 10454

Inspection Id	Inspection Type	Time In	Last Edited
600	MECHANICAL	2023-10-31 09:13AM	2024-02-09 01:39PM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Heat Pump Domestic Water Heaters Years: 2024 Systems: Water Service (1 of 3); F&T/Steam Drip Traps (~30%) Years: 2023 Systems: Boiler Safety Valves; Climate Control System: Refrigerated Air Dryer, Temperature Control Zone Valves Years: 2017 Systems: MDF Room - Dedicated A/C Equipment (DX Split System); Enclosed IDF Room - Dedicated A/C Equipment (DX Split System) Years: 2016 Systems: Terminal Unit Thermostatic Traps; F&T Steam Drip Traps (~60%) Years: 2015 Systems: Boiler Fresh Air Louver/Dampers Years: 2014
Are there fuel tanks?	Yes
Total # of above ground tanks	2
Total capacity of all above ground tanks in gal.	15,000
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, 1st Floor MER by Courtyard Exit, MER 224
Are there any spaces with Missing or Defective CO Detectors?	No
Are there any Painted/Obstructed Sprinkler Heads?	Yes
Location(s)	Kitchen Storage Room, Rooms B18, 120, 131D, 416 (painted 13)
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	Does not exist
Pneumatic System	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 AIR COMPRESSOR
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH

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Question	Response
CLIMATE CONTROL SYSTEM	
Pneumatic System	
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE TEMPERATURE CONTROL THERMOSTAT
Deficiency Location/Instance	Various Locations
Deficiency Quantity	25
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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	
Gravity System	Does not exist
Pressure Booster System	Inspected
Electric Pressure Booster System	Does not exist
Hydraulic/Pneumatic Booster System	Inspected
Water Pressure Booster - Compressor	
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Boiler Room Mechanical Area
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Pressure Booster Pump	Inspected
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Boiler Room Mechanical Area
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Domestic Cold Water Tank	
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Boiler Room Mechanical Area
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Water Service	Inspected

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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	
Water Service	
Instance	Boiler Room Mechanical Area
Instance Condition	3- Fair
Instance Quantity	2
Instance Quantity Uom	EACH
Deficiency	WATER MAIN:MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	Boiler Room Mechanical Area
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Instance	Room B18
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Deficiency	WATER MAIN:MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	Room B18
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	Does not exist
Domestic Water Heat Exchanger	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE AUXILIARIES(RELIEF VALVE, GAUGE, TEMPERATURE REGULATOR, ETC)
Deficiency Location/Instance	Boiler Room Mechanical Area
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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	Inspected
Instance	Boiler Room
Instance Condition	1- Good
Instance Quantity	2
Instance Quantity Uom	EACH
Manufacturer	A.O. Smith
EquipmentId	WHP-1, WHP-2
Capacity/Size Quantity	6
Capacity/Size UOM	KW Input
Capacity/Size 2 Quantity	119
Capacity/Size 2 UOM	Gallons

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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Hot Water System	
Heat Pump Domestic Water Heater	
Source of Capacity/Size	Documented
Installation Year	2024
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
Instance	Kitchen
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	A.O. Smith
EquipmentId	N/A
Capacity/Size Quantity	5
Capacity/Size UOM	KW Input
Capacity/Size 2 Quantity	50
Capacity/Size 2 UOM	Gallons
Source of Capacity/Size	Documented
Installation Year	2024
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
Domestic Water Distribution Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DRAIN/WASTE/VENT AND STORM SYSTEM	
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	3- Fair
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	
Does not exist	
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	3- Fair
Deficiency	No deficiencies recorded
Student	Inspected
Drinking Fountain	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded

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Question	Response
FIXTURES	
Student	
Lavatory/Sink	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE AUXILIARY (FAUCET, SHUT OFF VALVE,ETC.)
Deficiency Location/Instance	Boy's Toilet Room 219
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Locker Room Shower	Does not exist
Sink And Fountain Combo Unit	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE AUXILIARY (FAUCET, SHUT OFF VALVE,ETC.)
Deficiency Location/Instance	Building Addition - Library
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Toilet	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Urinal	Inspected
Condition	3- Fair
Deficiency	CRACKED/PHYSICAL DAMAGE
Deficiency Location/Instance	Boy's Toilet Rooms 108, 219, 419
Deficiency Quantity	5
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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

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HEATING	
Radiator/Convactor/Fin Tube	
Condition	3- Fair
Deficiency	RADIATOR/CONVECTOR:DEFECTIVE
Deficiency Location/Instance	Boy's Toilet Rooms B7, 219; Rooms 325, 420
Deficiency Quantity	4
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	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	
Condition	3- Fair
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Location/Instance	MER 224 @ Lunch Room Blower
Deficiency Quantity	10
Quantity Uom	L.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Condensate Return Piping	
Condition	3- Fair
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Basement - Oil Tank 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
Steam Condensate Return Pumping System	
Condition	3- Fair
Deficiency	DEFECTIVE PUMP
Deficiency Location/Instance	Boiler Room Mechanical Area (2 of 4)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
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	2- Between Good and Fair
Deficiency	No deficiencies recorded
Steam supplied by External Sources	
Condition	Does not exist
Unit Heater/Cabinet Heater	
Condition	3- Fair
Deficiency	DEFECTIVE

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HEATING	
Unit Heater/Cabinet Heater	
Deficiency Location/Instance	1st Floor - Exit "A"
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	BHE7V3A4
Burner Type	Oil
Heating Plant Oil Number	4
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	3- Fair
Deficiency	No deficiencies recorded
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	DEFECTIVE ISOLATION VALVE
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 Safety Valve	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler System	
Instance on Basement	Inspected
Coal-fired Boiler	
Instance on Basement	Does not exist

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HEATING PLANT	
Boiler System	
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	5,404
Instance Quantity Uom	MBH NET
Cast Iron Boiler?	No
Manufacturer	National U.S. Radiator Corp.
EquipmentId	7295-1
Capacity/Size Quantity	60
Capacity/Size UOM	Burner GPH
Source of Capacity/Size	Documented
Installation Year	1962
Source of Installation Year	Documented
Deficiency	DAMAGED REFRACTORY
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	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
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	5,404
Instance Quantity Uom	MBH NET
Cast Iron Boiler?	No
Manufacturer	National U.S. Radiator Corp.
EquipmentId	7295-2
Capacity/Size Quantity	60
Capacity/Size UOM	Burner GPH
Source of Capacity/Size	Documented
Installation Year	1962
Source of Installation Year	Documented
Deficiency	DAMAGED REFRACTORY
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	DAMAGED/MISSING INSULATION
Deficiency Quantity	10

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HEATING PLANT	
Boiler System	
Steam Boiler	
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
Instance Condition	1- Good
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	FUEL OIL PIPING:DEFECTIVE/LEAKS
Deficiency Location/Instance	Boiler Room @ Boiler #2
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Gas Trains And Vent At The Boiler	
Instance on Basement	Does not exist
Enclosed IDF Room	
Instance on Building Addition - Room 120	Inspected
Dedicated A/C Equipment	
Instance on Building Addition - Room 120	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
KITCHEN	
Instance on Basement	Inspected
CO Detector	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Gas System	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Grease Trap	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood	
Instance on Basement	Inspected

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Question	Response
KITCHEN	
Hood	
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	Missing Air Gap
Deficiency Location/Instance	Kitchen (2 of 3)
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
MDF Room	
Instance on Building Addition - Room 311	Inspected
Dedicated A/C Equipment	
Instance on Building Addition - Room 311	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	
Condition	3- Fair
Deficiency	No deficiencies recorded
Fire Booster Pump Assembly	
	Does not exist
Roof Tank	
	Does not exist
Siamese Connection	
Condition	3- Fair
Deficiency	No deficiencies recorded
Sprinkler Head	
Condition	3- Fair
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Kitchen Storage Room, Rooms B18, 120, 131D, 416 (painted 13)
Deficiency Quantity	13
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6

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Question	Response
SPRINKLERS, STANDPIPE, FIRE SYSTEM	
Sprinkler Head	
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	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	DEFECTIVE REGISTER/DIFFUSER
Deficiency Location/Instance	Gymnasium
Deficiency Quantity	2
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