Building Condition Assessment Survey 2023-2024

Mechanical Inspection X029

	Asset:	P.S. 29 - BRONX, 758 COURTLANDT AVENUE, BRONX, NY, 10451		
	Inspection Id	Inspection Type	Time In	Last Edited
	2925	MECHANICAL	2024-02-02 07:09AM	2024-04-23 01:59PM
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Asset Data Question

Systems: Have any Systems/Major Building Components been upgraded?

Years:

Answer

Systems: Gas Service (except for Science Lab); Boilers re-tubed;

Fixtures - Drinking Fountains

Unit Heater/Cabinet Heater; Electric Domestic Water Heater for Kitchen (1 of 2); Heating Plant - Fuel System, Boiler Feedwater Treatment(Automatic), Boiler Make-up Water Backflow Preventer, Boiler Emergency Stop Switch, Boiler Flue Exhaust (~50%); Climate Control System - Electric System; Heat Pump

Domestic Water Heaters

2022 Years:

Systems: Boiler Safety Valves; Climate Control System -

Pneumatic System: Air Compressor, Pneumatic PRV

Years: 2021

F&T/Steam Drip Traps; Terminal Unit Thermostatic Systems:

Traps

Systems:

Years:

DX Split System for Auditorium (10 of 13); Climate

Control System - Pneumatic System: Temperature

Control Thermostats

Years: 2019

Systems: Exhaust Fans (7 of 10)

2018 Years:

Systems: Kitchen - Grease Traps

Years:

Systems: Sump Pumps (2 of 4)

Years: 2015

Systems: DX Split Systems for Nurse Office, Telephone Closet

B20 (3 of 13); MDF Room - Dedicated A/C Equipment

(1 of 2, DX Split System)

Years: 2014

No

2

MER above Gymnasium

No

No

No components

Priority Condition

Are there fuel tanks?

MERs/Fan Rooms Locations

Total # of water main service entries to the asset

Are there any Painted/Obstructed Sprinkler Heads?

Are there any spaces with Missing or Defective CO Detectors?

Are there any Emergency Stop Switches with Missing Hammers?

Exist	Priority	Condition	Component	Location	Person(s)	Person(s)	Photo
Last Year?	Category	Description	Affected	Description	Notified	Title	Image
No	Defective CO/Gas Leak Detection	Fault Signal At Panels	CO/Gas Leak Detection	Boiler Room, Custodian's Office	Victor Carter	Fireman	

Inspection

Question	Response
Mechanical	
AIR CONDITIONING	Inspected
Chilled Water System	Does not exist

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unicui Inspection	7102
Question	Response
AIR CONDITIONING	
Condenser Water Distribution: Piping, Pumps and Auxiliaries	Does not exist
Cooling Coil in Ductwork	Does not exist
Cooling Tower	Does not exist
DX Split System	Inspected
Indoor Unit	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Outdoor Unit	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Dry Cooler	Does not exist
Packaged / Rooftop Unit	Does not exist
Packaged Terminal A/C	Does not exist
Refrigerant Leak Detection System	Does not exist
Refrigerant Piping	Inspected
Condition	1- Good
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
Pneumatic System	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%
Deficiency	DEFECTIVE TEMPERATURE CONTROL THERMOSTAT
Deficiency Location/Instance	1st Floor Corridor
Deficiency Quantity	1
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	Inspected
Instance	Throughout (Heat Timer System)
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Deficiency	No deficiencies recorded
COMPACTOR	Does not exist
	Does not exist
CONVEYING DOMESTIC WATER SYSTEM	
DOMESTIC WATER SYSTEM	Inspected
Domestic Cold Water System	Inspected Does not exist
Gravity System	
Pressure Booster System	Does not exist
Water Service	Inspected
Instance	Room B16 - Water Meter Room; Sprinkler Room B30
Instance Condition	2- Between Good and Fair
Instance Quantity	2

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nestion	Response
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	
Water Service	
Instance Quantity Uom	EACH
Deficiency	No deficiencies recorded
Domestic Hot Water System	Inspected
Domestic Hot Water Remote Storage Tank	Does not exist
Domestic Water Heat Exchanger	Inspected
Condition	3- Fair
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	10
Quantity Uom	S.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE AUXILIARIES(RELIEF VALVE, GAUGE,
,	TEMPERATURE REGULATOR, ETC)
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
Electric Domestic Water Heater	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
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	#1, #2
Capacity/Size Quantity	6
Capacity/Size UOM	KW Input
Capacity/Size 2 Quantity	119
Capacity/Size 2 UOM	Gallons
Source of Capacity/Size	Documented
Installation Year	2022
Source of Installation Year	Custodial Staff
Deficiency	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
Domestic Water Distribution Piping	Inspected
	2 E-i-

Condition

Deficiency

3- Fair

DEFECTIVE DOMESTIC HOT WATER CIRCULATING PUMP

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nestion	Response
DOMESTIC WATER SYSTEM	
Domestic Water Distribution Piping	
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
PRAIN/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	DEFECTIVE
Deficiency Location/Instance	Building Exterior by Courtlandt Ave (1 of 4)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	Does not exist
TIXTURES	Inspected
Staff And Other	Inspected
Janitor Sink	Inspected
Condition	3- Fair
Deficiency	CLOGGED/LEAKING
Deficiency Location/Instance	3rd Floor Janitor Closet
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Lavatory/Sink	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE AUXILIARY (FAUCET, SHUT OFF
·	VALVE,ETC.)
Deficiency Location/Instance	Toilet Room 125
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
a tv	3- Fair
Condition	5 1 411
Deficiency	No deficiencies recorded

X029

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uestion	Response	
FIXTURES		
Staff And Other		
Urinal		
Condition	3- Fair	
Deficiency	No deficiencies recorded	
Student	Inspected	
Drinking Fountain	Inspected	
Condition	1- Good	
Deficiency	No deficiencies recorded	
Lavatory/Sink	Inspected	
Condition	3- Fair	
Deficiency	No deficiencies recorded	
Locker Room Shower	Inspected	
Instance on Inside Room 200A	Inaccessible	
Sink And Fountain Combo Unit	Inspected	
Condition	3- Fair	
Deficiency	No deficiencies recorded	
Toilet	Inspected	
Condition	3- Fair	
Deficiency	No deficiencies recorded	
Urinal	Inspected	
Condition	3- Fair	
Deficiency	CRACKED/PHYSICAL DAMAGE	
Deficiency Location/Instance Deficiency Quantity	Boy's Toilet Rooms 113, 213, 313	
	3 EACH	
Quantity Uom	EACH PEN A CE	
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	1- Good	
Deficiency	No deficiencies recorded	
Gas Meter Room Exhaust Fan	Does not exist	
Gas Meter Room Vent	Does not exist	
Gas Pressure Booster	Does not exist	
CO/Gas Leak Detection	Inspected	-
Instance	Boiler Room	
Instance Condition	3- Fair	
Instance Quantity	1	
Instance Quantity Uom	EACH	
Installation Year	2022	
Source of Installation Year	Custodial Staff	
Deficiency	DEFECTIVE CONTROL PANEL	
Deficiency Location/Instance	Boiler Room, Custodian's Office	
Deficiency Quantity	2	
Quantity Uom	EACH	
Potential Action	REPAIR	
Urgency of Action	PRIORITY 5	
ergency of fredom		
Purpose of Action	LEVEL 6	

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Exchanger

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stion	Response	
EATING		
Steam supplied by External Sources	Does not exist	
Unit Heater/Cabinet Heater	Inspected	
Condition	1- Good	
Deficiency	No deficiencies recorded	
EATING PLANT	Inspected	
Instance on Basement	Inspected	
Is there a water meter on the boiler make-up water piping?	Yes	
Observed Operational?	No	
Burner Manufacturer	Industrial Combustion	
Burner Model	VG-60	
Burner Type	Gas	
Heating Plant Oil Number	N/A	
Instance on Basement	Inspected	
Is there a water meter on the boiler make-up water piping?	No	
Burner Manufacturer	N/A	
Burner Model	N/A	
Burner Type	N/A	
Heating Plant Oil Number	N/A	
Boiler Auxiliaries	Townseld	
Instance on Basement	Inspected	
Instance on Basement	Inspected	
Boiler Auxiliary Piping		
Instance on Basement	Inspected	
Instance Condition	3- Fair	
Deficiency	No deficiencies recorded	
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	No deficiencies recorded	
Instance on Basement	Does not exist	
Boiler Feedwater System	Bots not exist	
Instance on Basement	Does not exist	
Instance on Basement	Does not exist	
Boiler Feedwater Treatment(Automatic)	*	
Instance on Basement	Inspected	
Instance Condition	1- Good	
Deficiency	No deficiencies recorded	
Instance on Basement	Does not exist	
Boiler Flue Exhaust		
Instance on Basement	Inspected	
Instance Condition	2- Between Good and Fair	
Deficiency	BOILER BREECHING: DEFECTIVE	
Deficiency Location/Instance	Boiler Room	
Deficiency Quantity	2	
Quantity Uom	EACH	
Potential Action	REPAIR	
Urgency of Action	PRIORITY 3	
Purpose of Action	LEVEL 2	
Violations	No violations recorded	
Instance on Basement	Does not exist	

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uestion	Response	
	Response	
HEATING PLANT		
Boiler Auxiliaries		
Boiler Make-up Water Backflow Preventer Instance on Basement	Inspected	
Instance Condition	1- Good	
Deficiency	No deficiencies recorded	
Instance on Basement	Does not exist	
	Does not exist	
Boiler Room Steam And Condensate Piping Instance on Basement	Inspected	
Instance Condition	3- Fair	
	DAMAGED/MISSING INSULATION	
Deficiency Deficiency Location/Instance	Boiler Room	
Deficiency Quantity	30	
Quantity Uom	L.F.	
Potential Action	MAINTENANCE	
Urgency of Action	PRIORITY 3	
Purpose of Action	LEVEL 2	
Violations	No violations recorded	
Instance on Basement	Does not exist	
Boiler Safety Valve		
Instance on Basement	Inspected	
Instance Condition	1- Good	
Deficiency	No deficiencies recorded	
Instance on Basement	Inspected	
Instance Condition	3- Fair	
Deficiency	No deficiencies recorded	
Boiler System		
Instance on Basement	Inspected	
Instance on Basement	Inspected	
Coal-fired Boiler		
Instance on Basement	Does not exist	
Instance on Basement	Does not exist	
Hot Water Boiler		
Instance on Basement	Does not exist	
Instance on Basement	Inspected	
Instance on Basement	Inspected	
Instance	Boiler Room	
Instance Condition	3- Fair	
Instance Quantity	70	
Instance Quantity Uom	MBH NET	
Cast Iron Boiler?	No	
Manufacturer	National US Radiators	
EquipmentId	N/A	
Capacity/Size Quantity	100	
Capacity/Size UOM	MBH Input	
Source of Capacity/Size	Inspector Estimate	
Installation Year	1963	
Source of Installation Year	Inspector Estimate	

No deficiencies recorded

Does not exist

Does not exist

Does not exist

Inspected

Deficiency

Instance on Basement

Instance on Basement

Instance on Basement

Instance on Basement

Modular Boiler

Steam Boiler

uestion		Response
HEATING PLA	A NIT	торонос
Boiler System Steam Boile		
	er ince on Basement	Inspected
Insta		Boiler Room
	nce Condition	3- Fair
	ance Quantity	5,744 MBH NET
	nce Quantity Uom	
	Iron Boiler?	No
	ufacturer	National U.S. Radiator Corp.
	pmentId acity/Size Quantity	50267-1 5744
	acity/Size Quantity	MBH Net
	ce of Capacity/Size	Inspector Estimate
	illation Year	1963
	ce of Installation Year	Documented
-	ciency	DAMAGED/MISSING INSULATION
	eficiency Quantity	20
	antity Uom	S.F.
	tential Action	REPLACE
	gency of Action	PRIORITY 3
	rpose of Action	LEVEL 2
	olations	No violations recorded
Insta	ince	Boiler Room
	nce Condition	3- Fair
	unce Quantity	5,744
-	· · · · · · · · · · · · · · · · · · ·	MBH NET
	nnce Quantity Uom	No
	Iron Boiler? ufacturer	National U.S. Radiator Corp.
	pmentId	50267-2
	pinentid acity/Size Quantity	5744
	acity/Size UOM	MBH Net
	ce of Capacity/Size	Inspector Estimate
	Illation Year	1963
	ce of Installation Year	Documented
Defi	ciency	DAMAGED/MISSING INSULATION
	eficiency Quantity	20
Qι	uantity Uom	S.F.
	tential Action	REPLACE
Ur	gency of Action	PRIORITY 3
	rpose of Action	LEVEL 2
Vi	olations	No violations recorded
Fuel System		
	nce on Basement	Inspected
Insta	ince on Basement	Inspected
Boiler Fres	h Air Louver/Damper	•
	ince on Basement	Inspected
	nnce Condition	1- Good
Туре		Automatic
	ciency	No deficiencies recorded
	ince on Basement	Does not exist
-	rner Control Panel	DOGS HOL CALST
	ince on Basement	Increased
		Inspected 1- Good
	nnce Condition	
Defi	ciency	No deficiencies recorded

Mechanical Inspection		X029
Question	Response	

Question	-	Response
HEATIN	NG PLANT	
Fuel Sy	ystem	
Fuel	Oil Storage/Supply System	
	Instance on Basement	Inspected
	Instance Condition	3- Fair
	Deficiency	FUEL OIL TANK:NOT IN USE
	Deficiency Location/Instance	Room B17 - Fuel Oil Tank 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
	Instance on Basement	Does not exist
Gas	Trains And Vent At The Boiler	
	Instance on Basement	Inspected
	Instance Condition	1- Good
	Deficiency	No deficiencies recorded
	Instance on Basement	Does not exist
Enclosed	I IDF Room	Inspected
	Instance on Room 111	Inspected
Dedica	ted A/C Equipment	•
	Instance on Room 111	Inspected
	Instance Condition	4- Between Fair and Poor
	Deficiency	DOES NOT EXIST
	Deficiency Location/Instance	Room 111
	Deficiency Quantity	1
	Quantity Uom	EACH
	Potential Action	INSTALL
	Urgency of Action	PRIORITY 3
	Purpose of Action	LEVEL 2
	Violations	No violations recorded
KITCHI	EN	Inspected
	Instance on Basement	Inspected
CO De	tector	
	Instance on Basement	Not required
Gas Sy	rstem	
	Instance on Basement	Does not exist
Grease	Trap	
	Instance on Basement	Inspected
	Instance Condition	2- Between Good and Fair
	Deficiency	No deficiencies recorded
Hood		
	Instance on Basement	Inspected
	Instance Condition	3- Fair
	Deficiency	No deficiencies recorded
Hood I	Exhaust Ductwork	
	Instance on Basement	Inspected
	Instance Condition	3- Fair
	Deficiency	No deficiencies recorded
Hood I	Exhaust Fan	
	Instance on Basement	Inspected
	Instance Condition	3- Fair
	Deficiency	No deficiencies recorded
Hood I	Fire Suppression System	
1100u 1	ne suppression system	

Mechanical Inspection	X029

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Question	Response	
KITCHEN		
Hood Fire Suppression System		
Instance on Basement	Does not exist	
Hot Water Temperature Booster		
Instance on Basement	Inspected	
Instance Condition	3- Fair	
Deficiency	No deficiencies recorded	
Kitchen Sink		
Instance on Basement	Inspected	
Instance Condition	3- Fair	
Deficiency	Missing Air Gap	
Deficiency Location/Instance	Kitchen	
Deficiency Quantity	1	
Quantity Uom	EACH	
Potential Action	MAINTENANCE	
Urgency of Action	PRIORITY 3	
Purpose of Action	LEVEL 4	
Violations	SF102822	
MDF Room	Inspected	
Instance on Room within Room 223	Inspected	
Dedicated A/C Equipment	1	
Instance on Room within Room 223	Inspected	
Instance Condition	2- Between Good and Fair	
Deficiency	No deficiencies recorded	
	Does not exist	
SCIENCE DEMO ROOM		
SCIENCE LAB	Inspected	
Instance on Room 301	Inspected	
Alternative Use	No	
Acid Waste Neutralizing Tank		
Instance on Room 301	Inspected	
Instance Condition	3- Fair	
Deficiency	No deficiencies recorded	
CO Detector		
Instance on Room 301	Inspected	
Instance Condition	3- Fair	
Deficiency	No deficiencies recorded	
Emergency Shower		
Instance on Room 301	Does not exist	
Eye Wash		
Instance on Room 301	Inspected	
Instance Condition	3- Fair	
Deficiency	No deficiencies recorded	
Hood Exhaust Ductwork		
Instance on Room 301	Does not exist	
Hood Exhaust Fan	2 040 100 01100	
Instance on Room 301	Does not exist	
Fixed Laboratory Hood	2 040 100 01100	
Instance on Room 301	Does not exist	
Laboratory Sink	200 HOL CARDO	
Instance on Room 301	Inspected	
Instance Condition	3- Fair	
	No deficiencies recorded	
Deficiency	ino deficiencies recorded	
Make-up Air Unit	Dags and societ	
Instance on Room 301	Does not exist	

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uestion	Response
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
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
	Does not exist
Standpipe System	Does not exist Does not exist
Water Gong	
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	DEFECTIVE
Deficiency Location/Instance	MER above Gymnasium / Auditorium Exhaust 15A, Gym Supply
	16A (belt); Roof / EF 6T, 9H (bearing)
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	MAINTENANCE
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
Are there any uninsulated ductwork by design in Mechanical rooms?	No
Are there chain operated dampers?	No
Deficiency	DAMAGED FLEXIBLE CONNECTION
Deficiency Location/Instance	MER above Gymnasium Gym Exhaust 17G
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