#### **Building Condition Assessment Survey 2023 - 2024**

Mechanical Inspection Q112

	Asset:	P.S. 112 - QUEENS, 25-05 37 AVENUE, New York, 11101			
	Inspection Id	Inspection Type		Time In	Last Edited
	ME: Q112	Mechanical		2024-05-31 8:02 AM	2024-06-06 2:52 PM
Asse	et Data				
	Question		Answer		
	Are there fuel tan	ks?	Yes		

5,000 0

0

Total # of above ground tanks

Total capacity of all above ground tanks in gal.

Total # of below ground tanks

Total capacity of all below ground tanks in gal.

Total # of water main service entries to the asset

MERs/Fan Rooms Locations

Are there any spaces with Missing or Defective CO Detectors?

Are there any Emergency Stop Switches with Missing Hammers?

Are there any Painted/Obstructed Sprinkler Heads?

Location(s)

Have any Systems/Major Building Components been upgraded?

MER B6, 4th Floor MER

No

No

Yes

Rooms B1, B4, B5

Yes

Systems: DX Split System - Indoor Units (6 of 7) and DX Split

System - Outdoor Units (2 of 4) for Cafeteria; Fixtures -

System - Outdoor Units (2 of 4) for Careteria; Fixtures - Staff And Other: Lavatory/Sinks (50%); Toilets (50%), Urinals (67%)

Years: 2024

Systems: Boiler Feedwater Treatment (Automatic)

Years: 2023

 Systems:
 Gas Fired Domestic Water Heater

 Years:
 2021

 Systems:
 F&T/Steam Drip Traps (90%); Terminal Unit Thermostatic Traps (80%)

 Years:
 2020

Systems: Fixtures - Student: Drinking Fountains (50%); Boiler Safety Valves

Years: 2019

Systems: Fixtures - Student: Lavatory/Sinks (60%); Toilets (70%);

Urinals (70%)
Years: 2018
Systems: Fixtures - Student: Drinking Fountains (50%)
Years: 2017

Systems: MDF Room - Dedicated A/C Equipment (DX Split System)

Years: 2014

Systems: Elevator; DX Split System - Indoor Unit (1 of 7) and DX Split System - Outdoor Unit (1 of 4) for Elevator Machine

Room; DX Split System - Outdoor Unit (1 of 4) and Cooling Coil in Ductwork for Auditorium

Years: 2013

**Priority Condition** 

Priority Condition Exist Last Year?	Priority Category	Condition Description	Component Affected	Location Description	Person(s) Notified	Person(s) Title	Status	PhotoImage
No	Other	Defective fusible plug in Boiler #1 Tube Sheet	HEATING PLANT   Boiler System   Steam Boiler	Boiler Room	Albert Cardeno	Fireman	Sent to DSF	
No	Other	Defective fusible plug in Boiler #2 Tube Sheet	HEATING PLANT   Boiler System   Steam Boiler	Boiler Room	Albert Cardeno	Fireman	Sent to DSF	

echanical Inspection	Q1
pection	
Question	Response
Mechanical	
AIR CONDITIONING	Inspected
Chilled Water System	Does not Exist
Condenser Water Distribution: Piping, Pumps and Auxiliaries	Does not Exist
Cooling Coil in Ductwork	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
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	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not Exist
CLIMATE CONTROL SYSTEM	Inspected
BMS	Does not Exist
Pneumatic System	Inspected
Instance	Throughout (Zone control)
Instance Condition	3 - Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	0-20%
Deficiency	DEFECTIVE TEMPERATURE CONTROL ZONE VALVE
Deficiency Location/Instance	Hallway near Room B2
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Deficiency	PNEUMATIC TUBING:DEFECTIVE/LEAKS AIR
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	50
Quantity Uom	L.F.
Potential Action	MAINTENANCE

Question	Response
CLIMATE CONTROL SYSTEM	1. Composite to the com
Pneumatic System	
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Hybrid System	Does not Exist
Electric System	Does not Exist  Does not Exist
<u> </u>	
COMPACTOR	Does not Exist
CONVEYING	Inspected
Dumbwaiter	Does not Exist
Elevator	Inspected
Are all the existing elevators operable?	Yes
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Escalator	Does not Exist
Non-auditorium Handicap Lift - Vertical	Does not Exist
Non-auditorium Handicap Lift - Stair	Does not Exist
Ash Hoist	Does not Exist
Sidewalk Elevator	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	MER B6
Instance Condition	4 - Between Fair and Poor
Instance Quantity	1
Instance Quantity Uom	EACH
Deficiency	WATER MAIN: DEFECTIVE VALVE
Deficiency Location/Instance	MER B6
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Deficiency	WATER MAIN: MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	MER B6
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Instance	Room B7

hanical Inspection	Q11
nestion	Response
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	
Water Service Instance Condition	3 - Fair
	5 - Fall
Instance Quantity Instance Quantity Uom	
	EACH
Deficiency	WATER MAIN: MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	Room B7
Deficiency Quantity	1 EACH
Quantity Uom  Potential Action	EACH INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
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Domestic Hot Water System	Inspected
Domestic Hot Water Remote Storage Tank	Does not Exist
Domestic Water Heat Exchanger	Does not Exist
Electric Domestic Water Heater	Does not Exist
Heat Pump Domestic Water Heater	Does not Exist
Gas Fired Domestic Water Heater	Inspected
Instance	Boiler Room
Instance Condition	1 - Good
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	A.O. Smith
Equipment	N/A
Capacity/Size Quantity	275
Capacity/Size UOM	MBH Input
Capacity/Size2 Quantity	100
Capacity/Size2 UOM	Gallons
Source of Capacity/Size	Documented
Installation Year	2021
Source of Installation	Custodial Staff
Deficiency	No deficiencies recorded
Instance	Boiler Room
Instance Condition	3 - Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	PVI
Equipment	N/A
Capacity/Size Quantity	399
Capacity/Size UOM	MBH Input
Capacity/Size2 Quantity	250
Capacity/Size2 UOM	Gallons
Source of Capacity/Size	Documented
Installation Year	2001
Source of Installation	Documented

estion	Response	
OOMESTIC WATER SYSTEM		
Domestic Hot Water System		
Gas Fired Domestic Water Heater		
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	
Deficiency Photo1	No photo recorded	
Violations	No violations recorded.	
Oil Fired Domestic Water Heater	Does not Exist	
Domestic Water Distribution Piping	Inspected	
Condition	3 - Fair	
Deficiency	DEFECTIVE/LEAKS	
Deficiency Location/Instance	Room B7, MER B6	
Deficiency Quantity	20	
Quantity Uom	L.F.	
Potential Action	REPLACE	
Urgency of Action	PRIORITY 3	
Purpose of Action	LEVEL 2	
Deficiency Photo1	No photo recorded	
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	Inspected	
Condition	3 - Fair	
Deficiency	No deficiencies recorded	
Sump Pump	Inspected	
Condition	4 - Between Fair and Poor	
Deficiency	DEFECTIVE MOTOR	
Deficiency Location/Instance	Boiler Room	
Deficiency Quantity	1	
Quantity Uom	EACH	
Potential Action	REPLACE	
Urgency of Action	PRIORITY 3	
Purpose of Action	LEVEL 2	
Deficiency Photo1	No photo recorded	
Violations	No violations recorded.	
OUAL TEMPERATURE SYSTEM (CHILLED AND HOT	Does not Exist	
VATER)		
TXTURES	Inspected	
Staff And Other	Inspected	

nestion	Response
FIXTURES	
Staff And Other	
Janitor Sink	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Toilet	Inspected
Condition	2 - Between Good and Fair
Deficiency	CRACKED/PHYSICAL DAMAGE
Deficiency Location/Instance	Teachers Toilet Rooms 221, 359
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Urinal	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Student	Inspected
Drinking Fountain	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Locker Room Shower	Inspected
Instance on 4th Floor	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	2 - Between Good and Fair
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	Does not Exist
GAS SERVICE	Inspected
Gas Distribution Piping	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Gas Meter Room Exhaust Fan	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Gas Meter Room Vent	Inspected

echanical Inspection	Q
Question	Response
GAS SERVICE	
Gas Meter Room Vent	Inspected
Deficiency	No deficiencies recorded
Gas Pressure Booster	Does not Exist
CO/Gas Leak Detection	Inspected
Instance	Boiler Room, Gas Meter Room
Instance Condition	3 - Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded
HEATING	Inspected
Heating Coil In Ductwork	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Hydronic Heating	Does not Exist
Radiator/Convector/Fin Tube	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Steam Heating	Inspected
F&T/Steam Drip Trap	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	Inspected
Condition	3 - Fair
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Location/Instance	MER B6
Deficiency Quantity	20
Quantity Uom	L.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Steam Condensate Return Piping	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Pumping System	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Steam Piping	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Trap	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
Steam supplied by External Sources	Does not Exist
Unit Heater/Cabinet Heater	Inspected
Condition	3 - Fair

estion	Response
EATING	Inspected
Unit Heater/Cabinet Heater	-
Deficiency	No deficiencies recorded
EATING PLANT	Inspected
Replacement Quantity	8,074
Replacement Uom	MBH Net
Instance on Basement	Inspected
Burner Type	Dual Fuel (Gas/Oil)
Heating Plant Oil Number  Is there a water meter on the boiler make-up water piping?	2 No
Burner Exists?	Yes
Burner Manufacturer Burner Model Number	Gordon Piatt
	FL12.1-GO-50
Boiler Auxiliaries	Inspected
Instance on Basement	Inspected
Boiler Auxiliary Piping	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	FEEDWATER PUMP: DEFECTIVE MOTOR
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Boiler Feedwater Treatment(Automatic)	
Instance on Basement	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
Boiler Flue Exhaust	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Boiler Room Steam And Condensate Piping	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded

estion	Response
EATING PLANT	Inspected
Boiler Auxiliaries	Inspected
Boiler Safety Valve	
Instance on Basement	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Boiler System	Inspected
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	Boiler Room
Instance Condition	3 - Fair
Instance Quantity	4,037
Instance Quantity Uom	MBH Net
Cast Iron Boiler?	No
Instance Manufacturer	Fitzgibbons Boiler Company
Equipment	41649-02
Capacity/Size Quantity	5,360
Capacity/Size UOM	Lbs/Hr steam
Source of Capacity/Size	Documented
Installation Year	1953
Source of Installation	Documented
Deficiency	DEFECTIVE AUXILIARY (GAUGES, GASKETS ETC.)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Instance	Boiler Room
Instance Instance Condition	3 - Fair
Instance Quantity	4,037
Instance Quantity Uom	MBH Net
Cast Iron Boiler?	No
Instance Manufacturer	Fitzgibbons Boiler Company
Equipment	41649-01
Capacity/Size Quantity	5,360
Capacity/Size UOM	Lbs/Hr steam
Source of Capacity/Size	Documented
Installation Year	1953
Source of Installation	Documented

estion	Response	
EATING PLANT	Response	
Boiler System	Inspected	
Steam Boiler	nispected	
Deficiency Quantity	1	
Quantity Uom	EACH	
Potential Action	MAINTENANCE	
Urgency of Action	PRIORITY 5	
Purpose of Action	LEVEL 6	
Deficiency Photo1	No photo recorded	
Violations	No violations recorded.	
Fuel System	Inspected	
Instance on Basement	Inspected	
	Inspected	
Boiler Fresh Air Louver/Damper  Do Boiler Combustion Air Louvers exist?	Yes	
Type	Automatic	
Instance on Basement	Inspected	
Condition	3 - Fair	
Deficiency	No deficiencies recorded	
Burner/Burner Control Panel		
Instance on Basement	Inspected	
Condition	3 - Fair	
Deficiency	No deficiencies recorded	
Fuel Oil Storage/Supply System		
Instance on Basement	Inspected	
Condition	3 - Fair	
Deficiency	No deficiencies recorded	
Gas Trains And Vent At The Boiler		
Instance on Basement	Inspected	
Condition	3 - Fair	
Deficiency	No deficiencies recorded	
nclosed IDF Room	Does not Exist	
ITCHEN	Inspected	
Instance on 1st Floor	Inspected	
CO Detector	Not Required	
Instance on 1st Floor	Not Required	
Gas System	Does not Exist	
Instance on 1st Floor	Does not Exist	
Grease Trap	Does not Exist	
Instance on 1st Floor	Does not Exist	
Hood	Inspected	
Instance on 1st Floor	Inspected	
Condition	3 - Fair	
Deficiency	No deficiencies recorded	
Hood Exhaust Ductwork	Inspected	
Instance on 1st Floor	Inspected	
Condition	3 - Fair	
Deficiency	No deficiencies recorded	
Hood Exhaust Fan	Inspected	
Instance on 1st Floor	Inspected	

uestion	Response
KITCHEN	
Hood Exhaust Fan	Inspected
Deficiency	No deficiencies recorded
Hood Fire Suppression System	Does not Exist
Instance on 1st Floor	Does not Exist
Hot Water Temperature Booster	Does not Exist
Instance on 1st Floor	Does not Exist
Kitchen Sink	Inspected
Instance on 1st Floor	Inspected
Condition	3 - Fair
Deficiency	MISSING AIR GAP
Deficiency Location/Instance	Kitchen
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
MDF Room	Inspected
Instance on Room 307A	Inspected
Dedicated A/C Equipment	Inspected
Instance on Room 307A	Inspected
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	Does not Exist
Fire Booster Pump Assembly	Does not Exist
Roof Tank	Does not Exist
Siamese Connection	Does not Exist
Sprinkler Head	Inspected
Condition	3 - Fair
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Rooms B1, B4, B5
Deficiency Quantity	6
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Sprinkler Piping	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Standpipe System	Does not Exist

#### **Building Condition Assessment Survey 2023 - 2024**

Mechanical Inspection Q112 Question Response SPRINKLERS, STANDPIPE, FIRE SYSTEM Inspected **Water Gong** Does not Exist SWIMMING POOL Does not Exist VENTILATION Inspected Partial Is the building mechanically ventilated? **Exhaust Fan** Inspected 1-25 Approximate Total # of Fans Condition 2 - Between Good and Fair No deficiencies recorded Deficiency **Heating And Ventilating Unit** Does not Exist Metal Ductwork Inspected Are there any uninsulated ductwork by design in Mechanical Rooms? Yes Are there chain operated dampers? Yes 3 - Fair Condition Deficiency DAMAGED FLEXIBLE CONNECTION Deficiency Location/Instance MER B6 / Return Fan **Deficiency Quantity** EACH Quantity Uom Potential Action MAINTENANCE PRIORITY 3 Urgency of Action Purpose of Action LEVEL 2 Deficiency Photo1 No photo recorded Violations No violations recorded. Supply Fan Inspected Approximate Total # of Fans 1-5 Condition 3 - Fair Deficiency No deficiencies recorded **Unit Ventilator** Inspected Condition 3 - Fair Deficiency No deficiencies recorded