Building Condition Assessment Survey 2023-2024

Mechanical Inspection M004

Asset:	P.S. 4 - MANHATTAN, 500 WEST 160 STREET, MANHATTAN, NY, 10032		
Inspection Id	Inspection Type	Time In	Last Edited
1241	MECHANICAL	2023-11-27 07:23AM	2023-12-27 04:48PM

1241 MECHANICAL	2023-11-27 07:23AM 2023-12-27 04:48PM
set Data	
Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Climate Control System - Air Compressors, Pneumatic PRV Station
	Years: 2022
	Systems: MDF Room - Dedicated A/C Equipment (DX Split System); Boiler Safety Valves (2 of 4)
	Years: 2018
	Systems: Fixtures - Toilets, Urinals
	Years: 2017
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	MERs 218, 315; Penthouse MER R1, Penthouse Generator
	MER
Are there any spaces with Missing or Defective CO Detectors?	Yes
Location(s)	Science Demo Room
Are there any Painted/Obstructed Sprinkler Heads?	Yes
Location(s)	Auditorium Stage (painted, 3)
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	Broken fusible link trip wire connected to spring-loaded fuel oil lever gate valve	Fuel Oil Storage/Suppl y System	Boiler Room @ Fuel Oil Transfer Pumps	Kevin Duran	Fireman	
No	Defective Boiler Safety Auxiliary	Water Column's drain valve is leaking	Steam Boiler	Boiler Room / Boiler #2	Kevin Duran	Fireman	
No	Other	Defective	Gas Meter Room Exhaust Fan	Basement - Gas Meter Room 7	Kevin Duran	Fireman	

Inspection

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	Does not exist	
Cooling Tower	Does not exist	
DX Split System	Inspected	

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uestion	Response
AIR CONDITIONING	
DX Split System	
Indoor Unit	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Outdoor Unit	Inspected
Condition	3- Fair
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	3- Fair
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Location/Instance	MER 218
Deficiency Quantity	20
Quantity Uom	L.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Return Fan	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not exist
CLIMATE CONTROL SYSTEM	Inspected
BMS	Inspected
Instance	Throughout
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Installation Year	1995
Source of Installation Year	Documented
Deficiency	DEFECTIVE DAMPER ACTUATOR
Deficiency Location/Instance	MER 315 @ AC 5-4, Penthouse MER R1 @ AC 3-1,
Deficiency Quantity	4
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Pneumatic System	Does not exist
Hybrid System	Does not exist
Electric System	Does not exist
COMPACTOR	Does not exist
CONVEYING	Inspected
Dumbwaiter	Does not exist
Elevator	Inspected
Condition	4- Between Fair and Poor
Are all the existing elevators operable?	No
Deficiency	No deficiencies recorded
Escalator	Does not exist
Non-auditorium Handicap Lift - Vertical	Does not exist

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Question	Response
CONVEYING	
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	Inspected
Electric Pressure Booster System	Inspected
Instance	Water Meter/Pump Room 8
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Canariis
EquipmentId	N/A
Capacity/Size Quantity	3
Capacity/Size UOM	Total # Pumps
Capacity/Size 2 Quantity	30
Capacity/Size 2 UOM	Total Pumps HP
Source of Capacity/Size	Documented 1995
Installation Year Source of Installation Year	Documented
Deficiency	No deficiencies recorded
	Does not exist
Hydraulic/Pneumatic Booster System Water Service	Inspected
	-
Instance Instance Condition	Boiler Room, Water Meter/Pump Room 8 3- Fair
Instance Condition Instance Quantity	
- · · · · · · · · · · · · · · · · · · ·	3 EACH
Instance Quantity Uom	
Deficiency	No deficiencies recorded
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	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Gas Fired Domestic Water Heater	Inspected
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Laars
EquipmentId	N/A
Capacity/Size Quantity	500
Capacity/Size UOM	MBH Input
Capacity/Size 2 Quantity	0
Capacity/Size 2 UOM Source of Capacity/Size	Gallons Documented
Installation Year	2005
Source of Installation Year	Documented
Deficiency	NOT IN USE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	J
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Hot Water System	
Gas Fired Domestic Water Heater	
Purpose of Action	LEVEL 1
Violations	No violations recorded
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	PVI
EquipmentId	N/A
Capacity/Size Quantity	600
Capacity/Size UOM	MBH Input
Capacity/Size 2 Quantity	400
Capacity/Size 2 UOM	Gallons
Source of Capacity/Size	Documented
Installation Year	1995
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
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

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AS SERVICE	
Gas Pressure Booster	
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
CO/Gas Leak Detection	Inspected
Instance	Basement - Gas Meter Room 7, Boiler Room
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Installation Year	2011
Source of Installation Year	Inspector Estimate
Deficiency	No deficiencies recorded
·	
EATING	Inspected
Heating Coil In Ductwork	Does not exist
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	3- Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	Inspected
Condition	3- Fair
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Location/Instance	MER 218
Deficiency Quantity	20
Quantity Uom	L.F.
Potential Action	
	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Penthouse MER R1 @ AC 3-1
Deficiency Quantity	10
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE VALVE
Deficiency Location/Instance	MER 218
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Condensate Return Piping	Inspected
Condition	3- Fair

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Inspected 3- Fair No deficiencies recorded Inspected 3- Fair
3- Fair No deficiencies recorded Inspected
3- Fair No deficiencies recorded Inspected
No deficiencies recorded Inspected
Inspected
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3_ Fair
J-1 an
DEFECTIVE/LEAKS
Basement - Universal Waste/ Fluorescent Lamp Storage Room,
Water Meter/Pump Room 8
20
L.F.
REPLACE
PRIORITY 3
LEVEL 2
No violations recorded
Inspected
3- Fair
No deficiencies recorded
Does not exist
Inspected
3- Fair
DEFECTIVE
Boiler Room, Receiving Room 127
2
EACH
MAINTENANCE
PRIORITY 3
LEVEL 2
No violations recorded
Inspected
Inspected
No
EASCO
FL12-CO-30
Dual Fuel (Gas/Oil)
2
Inspected
Inspected
3- Fair
No deficiencies recorded
Inspected
3- Fair
No deficiencies recorded
130 deficielles recorded
Inomostod
Inspected
3- Fair
FEEDWATER TANK:DAMAGED/MISSING INSULATION
Boiler Room
20
S.F. REPLACE

uestion	Response	
HEATING PLANT		
Boiler Auxiliaries		
Boiler Feedwater System		
Urgency of Action	PRIORITY 3	
Purpose of Action	LEVEL 2	
Violations	No violations recorded	
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	
	tvo deficiencies recorded	
Boiler Make-up Water Backflow Preventer	Y 4. d	
Instance on Basement	Inspected 1. P. C. T.	
Instance Condition	4- Between Fair and Poor	
Deficiency	DEFECTIVE RPZ	
Deficiency Location/Instance	Boiler Room	
Deficiency Quantity	1 EACH	
Quantity Uom Potential Action	EACH MAINTENANCE	
Urgency of Action	PRIORITY 3	
Purpose of Action	LEVEL 2	
Violations	No violations recorded	
Boiler Room Steam And Condensate Piping		
Instance on Basement	Inspected	
Instance Condition	3- Fair	
Deficiency	DEFECTIVE/LEAKS	
Deficiency Location/Instance	Boiler Room	
Deficiency Quantity	20	
Quantity Uom	L.F.	
Potential Action	REPLACE	
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	
Hot Water Boiler	·	
Instance on Basement	Does not exist	
Modular Boiler	Does not exist	
	Dogs mot swi-t	
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	3,441	
Instance Quantity Uom	MBH NET	
Cast Iron Boiler?	No	
Manufacturer	A. L. Eastmond & Sons Inc.	

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estion	Response
HEATING PLANT	•
Boiler System	
Steam Boiler	
EquipmentId	107816-1
Capacity/Size Quantity	3441
Capacity/Size UOM	MBH Net
Source of Capacity/Size	Documented
Installation Year	1995
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	3,441
Instance Quantity Uom	MBH NET
Cast Iron Boiler?	No
Manufacturer	A. L. Eastmond & Sons Inc.
EquipmentId	107816-2
Capacity/Size Quantity	3441
Capacity/Size UOM	MBH Net
Source of Capacity/Size	Documented
Installation Year	1995
Source of Installation Year	Documented
Deficiency	DEFECTIVE SAFETY AUXILIARY: LOW-WATER CUT-OFF, WATER COLUMN ASSEMBLY
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Fuel System	
Instance on Basement	Inspected
Boiler Fresh Air Louver/Damper	
Instance on Basement	Inspected
Instance Condition	3- Fair
Туре	Mechanical
Deficiency	No deficiencies recorded
Burner/Burner Control Panel	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	DUAL FUEL (OIL/GAS) BURNER:DEFECTIVE
Deficiency Location/Instance Deficiency Quantity	Boiler Room @ Boiler #2
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Fuel Oil Storage/Supply System	
Instance on Basement	Inspected
Instance Condition	3- Fair
D C :	FUEL OIL TRANSPER BUILD DEFECTIVE

FUEL OIL TRANSFER PUMP:DEFECTIVE

Boiler Room

MAINTENANCE

EACH

Deficiency

Deficiency Location/Instance

Deficiency Quantity Quantity Uom

Potential Action

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Question	Response
HEATING PLANT	
Fuel System	
Fuel Oil Storage/Supply System	
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	FUEL OIL PIPING: DEFECTIVE FUSIBLE LINK
Deficiency Location/Instance	Boiler Room @ Fuel Oil Transfer Pumps
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Gas Trains And Vent At The Boiler	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Enclosed IDF Room	Inspected
Instance on Room 416B	Inspected
Dedicated A/C Equipment	
Instance on Room 416B	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
KITCHEN	Inspected
Instance on 1st Floor	Inspected
CO Detector	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
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	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
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	3- Fair
Deficiency	No deficiencies recorded
Hood Fire Suppression System	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
,	

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Question	Response	
KITCHEN	·	
Hot Water Temperature Booster		
Instance on 1st Floor	Does not exist	
Kitchen Sink		
Instance on 1st Floor	Inspected	
Instance Condition	3- Fair	
Deficiency	No deficiencies recorded	
MDF Room	Inspected	
Instance on Room 413	Inspected	
Dedicated A/C Equipment	mspecieu	
Instance on Room 413	Inspected	
Instance Condition	2- Between Good and Fair	
Deficiency	No deficiencies recorded	
SCIENCE DEMO ROOM	Inspected	
Instance on Room 406		
	Inspected	
Alternative Use	No	
Acid Waste Neutralizing Tank	T 1	
Instance on Room 406	Inspected	
Instance Condition	3- Fair	
Deficiency	No deficiencies recorded	
CO Detector	T 1	
Instance on Room 406	Inspected	
Instance Condition	4- Between Fair and Poor	
Deficiency	DEFECTIVE/MISSING	
Deficiency Location/Instance Deficiency Quantity	Science Demo Room	
Quantity Uom	1 EACH	
Potential Action	MAINTENANCE	
Urgency of Action	PRIORITY 5	
Purpose of Action	LEVEL 6	
Violations	No violations recorded	
Emergency Shower		
Instance on Room 406	Does not exist	
Eye Wash		
Instance on Room 406	Does not exist	
Hood Exhaust Ductwork		
Instance on Room 406	Does not exist	
Hood Exhaust Fan		
Instance on Room 406	Does not exist	
Fixed Laboratory Hood		
Instance on Room 406	Does not exist	
Laboratory Sink		
Instance on Room 406	Inspected	
Instance Condition	3- Fair	
Deficiency	No deficiencies recorded	
Make-up Air Unit		
Instance on Room 406	Does not exist	
SCIENCE LAB	Does not exist	
SCIENCE PREP ROOM	Inspected	
Instance on Room 406A	Inspected	
Alternative Use	Yes	

Inspected

3- Fair

Instance on Room 406A

Instance Condition

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Question	Response
SCIENCE PREP ROOM	
Acid Waste Neutralizing Tank	
Deficiency	No deficiencies recorded
CO Detector	
Instance on Room 406A	Not required
Emergency Shower	
Instance on Room 406A	Does not exist
Eye Wash	
Instance on Room 406A	Does not exist
Hood Exhaust Ductwork	
Instance on Room 406A	Does not exist
Hood Exhaust Fan	
Instance on Room 406A	Does not exist
Fixed Laboratory Hood	
Instance on Room 406A	Does not exist
Laboratory Sink	
Instance on Room 406A	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Make-up Air Unit	
Instance on Room 406A	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	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sprinkler Head	Inspected 3- Fair
Condition	
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance Deficiency Quantity	Auditorium Stage (painted, 3)
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	Inspected
Hose Valve Assembly	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Water Gong	Does not exist
SWIMMING POOL	Does not exist
VENTILATION Is the building Mechanically ventilated?	Inspected Yes
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nestion	Response
VENTILATION	
Exhaust Fan	Inspected
Condition	3- Fair
Approximate Total # of Fans	1-25
Deficiency	No deficiencies 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/MISSING INSULATION
Deficiency Location/Instance	Penthouse MER R1
Deficiency Quantity	20
Quantity Uom	L.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Supply Fan	Does not exist
Unit Ventilator	Does not exist