

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

Mechanical Inspection

R038


Asset: P.S. 38 - STATEN ISLAND, 421 LINCOLN AVENUE, STATEN ISLAND, NY, 10306

Inspection Id	Inspection Type	Time In	Last Edited
4170	MECHANICAL	2024-03-22 08:49AM	2024-05-03 11:08AM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Boiler refractory Years: 2023 Systems: F&T/Steam Drip Traps; Terminal Unit Thermostatic Traps; Steam Condensate Return Pumping System Years: 2022 Systems: Toilet Room Fixtures (~50%); Gas Fired Furnace Years: 2021 Systems: Kitchen - Grease Trap Years: 2018 Systems: Electric Domestic Water Heaters Years: 2017 Systems: MDF Room - Dedicated A/C Equipment (DX Split System); Kitchen - Hood Fire Suppression System Years: 2015
Are there fuel tanks?	Yes
Total # of above ground tanks	1
Total capacity of all above ground tanks in gal.	5,000
Total # of below ground tanks	0
Total capacity of all below ground tanks in gal.	2
Total # of water main service entries to the asset	2
MERs/Fan Rooms Locations	MER 28
Are there any spaces with Missing or Defective CO Detectors?	Yes
Location(s)	Kitchen
Are there any Painted/Obstructed Sprinkler Heads?	No
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	(1)	Boiler Safety Valve	Boiler Room	Peter Cowan	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
Indoor Unit	Inspected
Condition	3- Fair
Deficiency	OVER 5 TONS:DEFECTIVE FAN
Deficiency Location/Instance	MER 28
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3

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Question	Response
AIR CONDITIONING	
DX Split System	
Indoor Unit	
Purpose of Action	LEVEL 2
Violations	No violations 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	DEFECTIVE
Deficiency Location/Instance	MER 28 @ HVAC-2
Deficiency Quantity	10
Quantity Uom	L.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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	Original Building - Throughout
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	41-60%
Deficiency	PNEUMATIC TUBING: DEFECTIVE/LEAKS AIR
Deficiency Location/Instance	Various Locations
Deficiency Quantity	100
Quantity Uom	L.F.
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	Inspected
Gravity System	Does not exist
Pressure Booster System	Does not exist
Water Service	Inspected
Instance	Boiler Room, MER 28
Instance Condition	3- Fair
Instance Quantity	2
Instance Quantity Uom	EACH
Deficiency	WATER MAIN:MISSING BACKFLOW PREVENTION DEVICE

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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	
Water Service	
Deficiency Location/Instance	Boiler Room, MER 28
Deficiency Quantity	2
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	NOT IN USE
Deficiency Location/Instance	Boiler Room (1 of 1)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Electric Domestic Water Heater	Inspected
Condition	1- Good
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	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
Deficiency	No deficiencies recorded
Sewage Ejector Pump	Does not exist
Sump Pump	Does not exist
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	2- Between Good and Fair
Deficiency	No deficiencies recorded
Toilet	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Urinal	Does not exist
Student	Inspected

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Question	Response
FIXTURES	
Student	
Drinking Fountain	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Locker Room Shower	Does not exist
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	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
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	Does not exist
Gas Pressure Booster	Does not exist
CO/Gas Leak Detection	Does not exist
HEATING	Inspected
Heating Coil In Ductwork	Does not exist
Hydronic Heating	Does not exist
Radiator/Convactor/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	Does not exist
Steam Condensate Return Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Pumping System	Inspected
Condition	1- Good
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

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Question	Response
HEATING	
Unit Heater/Cabinet Heater	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
HEATING PLANT	
Instance on 1st Floor	Inspected
Is there a water meter on the boiler make-up water piping?	No
Burner Manufacturer	Carlin
Burner Model	N/A
Burner Type	Oil
Heating Plant Oil Number	2
Boiler Auxiliaries	
Instance on 1st Floor	Inspected
Boiler Auxiliary Piping	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	DEFECTIVE BOILER MAKE-UP WATER 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
Boiler Emergency Stop Switch	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	
Instance on 1st Floor	Does not exist
Boiler Feedwater Treatment(Automatic)	
Instance on 1st Floor	Does not exist
Boiler Flue Exhaust	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	BOILER BREECHING:DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Make-up Water Backflow Preventer	
Instance on 1st Floor	Does not exist
Boiler Room Steam And Condensate Piping	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Safety Valve	
Instance on 1st Floor	Inspected
Instance Condition	5- Poor
Deficiency	DEFECTIVE
Deficiency Location/Instance	Boiler Room (1 of 1)
Deficiency Quantity	1

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Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Safety Valve	
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Boiler System	
Instance on 1st Floor	Inspected
Coal-fired Boiler	
Instance on 1st Floor	Does not exist
Hot Water Boiler	
Instance on 1st Floor	Does not exist
Modular Boiler	
Instance on 1st Floor	Does not exist
Steam Boiler	
Instance on 1st Floor	Inspected
Instance on 1st Floor	Inspected
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	1,744
Instance Quantity Uom	MBH NET
Cast Iron Boiler?	Yes
Manufacturer	H. B. Smith Co., Inc.
EquipmentId	44547-1
Capacity/Size Quantity	2316
Capacity/Size UOM	Lbs/Hr steam
Source of Capacity/Size	Documented
Installation Year	1956
Source of Installation Year	Documented
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Quantity	50
Quantity Uom	S.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Fuel System	
Instance on 1st Floor	Inspected
Boiler Fresh Air Louver/Damper	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Type	Automatic
Deficiency	No deficiencies recorded
Burner/Burner Control Panel	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Oil Storage/Supply System	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Trains And Vent At The Boiler	
Instance on 1st Floor	Does not exist

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Question	Response
Enclosed IDF Room	Inspected
Instance on Original Building - Room 14	Inspected
Dedicated A/C Equipment	
Instance on Original Building - Room 14	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DOES NOT EXIST
Deficiency Location/Instance	Original Building - Room 14
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
KITCHEN	Inspected
Instance on 1st Floor	Inspected
CO Detector	
Instance on 1st Floor	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE/MISSING
Deficiency Location/Instance	Kitchen
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Gas System	
Instance on 1st Floor	Does not exist
Grease Trap	
Instance on 1st Floor	Inspected
Instance Condition	2- Between Good and 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	2- Between Good and Fair
Deficiency	No deficiencies recorded
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

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Question	Response
MDF Room	
Instance on Building Addition - Room 30	Inspected
Dedicated A/C Equipment	
Instance on Building Addition - Room 30	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	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?	No
Are there chain operated dampers?	No
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Location/Instance	MER 28
Deficiency Quantity	40
Quantity Uom	L.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE REGISTER/DIFFUSER
Deficiency Location/Instance	Room 35
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	Does not exist
Unit Ventilator	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded