

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

Mechanical Inspection

X126

Asset: P.S. 126 (ECF) - BRONX, 175 WEST 166 STREET, BRONX, NY, 10452

| Inspection Id | Inspection Type | Time In | Last Edited |
|---------------|-----------------|--------------------|--------------------|
| 3871 | MECHANICAL | 2024-03-11 07:46AM | 2024-04-24 01:50PM |

Asset Data

| Question | Answer |
|--|---|
| Have any Systems/Major Building Components been upgraded? | Systems: Kitchen - Grease Trap Years: 2020 Systems: F&T/Steam Drip Traps (~75%); Terminal Unit Thermostatic Traps (~95%); Climate Control System: Air Compressor, Refrigerated Air Dryers, Pneumatic PRV Station, Temperature Control Thermostats (~80%), Terminal Unit Control Valves (~50%), Terminal Unit Controllers Years: 2019 Systems: Boiler Emergency Stop Switch (1 of 2); MDF Room - Dedicated A/C Equipment (DX Split System) Years: 2016 Systems: Steam Condensate Return Pumping System Years: 2014 Systems: Boiler Fresh Air Louver/Dampers Years: 2013 |
| 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 | 1st Floor MER |
| Are there any spaces with Missing or Defective CO Detectors? | No |
| Are there any Painted/Obstructed Sprinkler Heads? | Yes |
| Location(s) | Boiler Room - Paint Storage Room, Rooms B1, B2, B13 (painted, 10) |
| 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 | 2- Between Good and Fair |
| Instance Quantity | 1 |
| Instance Quantity Uom | EACH |
| Building Area Covered by Operational System | 81-100% |
| Deficiency | No deficiencies recorded |
| Hybrid System | Does not exist |
| Electric System | Does not exist |
| COMPACTOR | Does not exist |
| CONVEYING | Does not exist |

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| Question | Response |
|---|---|
| DOMESTIC WATER SYSTEM | Inspected |
| Domestic Cold Water System | Inspected |
| Gravity System | Does not exist |
| Pressure Booster System | Does not exist |
| Water Service | Inspected |
| Instance | Basement - Sprinkler/Water/Gas Meter Room B7 |
| Instance Condition | 3- Fair |
| Instance Quantity | 2 |
| Instance Quantity Uom | EACH |
| Deficiency | WATER MAIN:MISSING BACKFLOW PREVENTION DEVICE |
| Deficiency Location/Instance | Basement - Sprinkler/Water/Gas Meter Room B7 |
| Deficiency Quantity | 2 |
| Quantity Uom | EACH |
| Potential Action | INSTALL |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| Instance | Basement - Crawlspace |
| Instance Condition | 5- Poor |
| Instance Quantity | 1 |
| Instance Quantity Uom | EACH |
| Deficiency | WATER MAIN:MISSING BACKFLOW PREVENTION DEVICE |
| Deficiency Location/Instance | Basement - Crawlspace |
| Deficiency Quantity | 1 |
| Quantity Uom | EACH |
| Potential Action | INSTALL |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| Deficiency | WATER MAIN:DETERIORATED |
| Deficiency Location/Instance | Basement - Crawlspace |
| Deficiency Quantity | 1 |
| Quantity Uom | EACH |
| Potential Action | REPLACE |
| 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 | 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 |
| 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 | Under construction |
| Domestic Water Distribution Piping | Inspected |

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| Question | Response |
|--|--------------------------|
| DOMESTIC WATER SYSTEM | |
| Domestic Water Distribution Piping | |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| DRAIN/WASTE/VENT AND STORM SYSTEM | |
| Interior Storm Piping | Inspected |
| Condition | 1- Good |
| 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) | |
| FIXTURES | Inspected |
| 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 |
| Lavatory/Sink | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| Locker Room Shower | Inspected |
| Instance on 1st Floor | 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 | No deficiencies recorded |
| GAS FIRED FURNACE | |
| | Does not exist |
| GAS SERVICE | |
| Gas Distribution Piping | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |

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| Question | Response |
|--|--------------------------|
| GAS SERVICE | |
| 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 | |
| Heating Coil In Ductwork | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| 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 | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| MER Steam and Condensate Piping | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| Steam Condensate Return Piping | Inspected |
| Condition | 3- Fair |
| Deficiency | DEFECTIVE/LEAKS |
| Deficiency Location/Instance | Boiler 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 | Inspected |
| Condition | 1- Good |
| Deficiency | No deficiencies recorded |
| Steam Piping | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| Terminal Unit Thermostatic Trap | Inspected |
| Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Steam supplied by External Sources | Does not exist |
| Unit Heater/Cabinet Heater | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| HEATING PLANT | |
| Instance on Sub-Basement | Inspected |
| Is there a water meter on the boiler make-up water piping? | No |
| Burner Manufacturer | Preferred Utilities |
| Burner Model | BHE7 - 3A4 |
| Burner Type | Oil |
| Heating Plant Oil Number | 4 |
| Boiler Auxiliaries | |
| Instance on Sub-Basement | Inspected |

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| Question | Response |
|--|-----------------------------------|
| HEATING PLANT | |
| Boiler Auxiliaries | |
| Boiler Auxiliary Piping | |
| Instance on Sub-Basement | Inspected |
| Instance Condition | 3- Fair |
| Deficiency | DEFECTIVE BOILER FEEDWATER PIPING |
| Deficiency Location/Instance | Boiler Room @ Boiler #1 |
| 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 Sub-Basement | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Boiler Feedwater System | |
| Instance on Sub-Basement | Does not exist |
| Boiler Feedwater Treatment(Automatic) | |
| Instance on Sub-Basement | Does not exist |
| Boiler Flue Exhaust | |
| Instance on Sub-Basement | Inspected |
| Instance Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| Boiler Make-up Water Backflow Preventer | |
| Instance on Sub-Basement | Does not exist |
| Boiler Room Steam And Condensate Piping | |
| Instance on Sub-Basement | Inspected |
| Instance Condition | 3- Fair |
| Deficiency | DEFECTIVE HEADER VALVE |
| Deficiency Location/Instance | Boiler Room @ Boiler #1 |
| 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 Sub-Basement | Inspected |
| Instance Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| Boiler System | |
| Instance on Sub-Basement | Inspected |
| Coal-fired Boiler | |
| Instance on Sub-Basement | Does not exist |
| Hot Water Boiler | |
| Instance on Sub-Basement | Does not exist |
| Modular Boiler | |
| Instance on Sub-Basement | Does not exist |
| Steam Boiler | |
| Instance on Sub-Basement | Inspected |
| Instance on Sub-Basement | Inspected |
| Instance | Boiler Room |

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|--|--------------------------|
| HEATING PLANT | |
| Boiler System | |
| Steam Boiler | |
| Instance Condition | 3- Fair |
| Instance Quantity | 5,161 |
| Instance Quantity Uom | MBH NET |
| Cast Iron Boiler? | No |
| Manufacturer | Federal Boiler Company |
| EquipmentId | 56224-01 |
| Capacity/Size Quantity | 5161 |
| Capacity/Size UOM | MBH Net |
| Source of Capacity/Size | Documented |
| Installation Year | 1971 |
| Source of Installation Year | Documented |
| Deficiency | No deficiencies recorded |
| Instance | Boiler Room |
| Instance Condition | 3- Fair |
| Instance Quantity | 5,161 |
| Instance Quantity Uom | MBH NET |
| Cast Iron Boiler? | No |
| Manufacturer | Federal Boiler Company |
| EquipmentId | 56224-02 |
| Capacity/Size Quantity | 5161 |
| Capacity/Size UOM | MBH Net |
| Source of Capacity/Size | Documented |
| Installation Year | 1971 |
| Source of Installation Year | Documented |
| Deficiency | No deficiencies recorded |
| Fuel System | |
| Instance on Sub-Basement | Inspected |
| Boiler Fresh Air Louver/Damper | |
| Instance on Sub-Basement | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Type | Automatic |
| Deficiency | No deficiencies recorded |
| Burner/Burner Control Panel | |
| Instance on Sub-Basement | Inspected |
| Instance Condition | 3- Fair |
| Deficiency | OIL BURNER:DEFECTIVE |
| Deficiency Location/Instance | Boiler Room @ Boiler #2 |
| Deficiency Quantity | 1 |
| 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 Sub-Basement | Inspected |
| Instance Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| Gas Trains And Vent At The Boiler | |
| Instance on Sub-Basement | Does not exist |
| Enclosed IDF Room | |
| Instance on Auditorium - Room 165C | Inspected |
| Instance on Room 215 | Inspected |

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|--------------------------------------|--------------------------|
| Enclosed IDF Room | |
| Dedicated A/C Equipment | |
| Instance on Auditorium - Room 165C | Inspected |
| Instance Condition | 4- Between Fair and Poor |
| Deficiency | DOES NOT EXIST |
| Deficiency Location/Instance | Auditorium - Room 165C |
| Deficiency Quantity | 1 |
| Quantity Uom | EACH |
| Potential Action | INSTALL |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| Instance on Room 215 | Inspected |
| Instance Condition | 4- Between Fair and Poor |
| Deficiency | DEFECTIVE |
| Deficiency Location/Instance | Room 215 (Window A/C) |
| Deficiency Quantity | 1 |
| Quantity Uom | EACH |
| Potential Action | MAINTENANCE |
| 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 | 1- Good |
| 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 | 1- Good |
| 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 | Does not exist |
| Hot Water Temperature Booster | |
| Instance on 1st Floor | Does not exist |
| Kitchen Sink | |
| Instance on 1st Floor | Inspected |
| Instance Condition | 3- Fair |

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|---|---|
| KITCHEN | |
| Kitchen Sink | |
| Deficiency | DEFECTIVE |
| Deficiency Location/Instance | Kitchen |
| Deficiency Quantity | 1 |
| Quantity Uom | EACH |
| Potential Action | MAINTENANCE |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | SF103193 |
| MDF Room | Inspected |
| Instance on Room B13A | Inspected |
| Dedicated A/C Equipment | |
| Instance on Room B13A | 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 | |
| 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 | |
| Condition | 3- Fair |
| Deficiency | DEFECTIVE/DETERIORATED |
| Deficiency Location/Instance | Boiler Room - Paint Storage Room, Rooms B1, B2, B13 (painted, 10) |
| Deficiency Quantity | 10 |
| Quantity Uom | EACH |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 5 |
| Purpose of Action | LEVEL 6 |
| Violations | No violations recorded |
| Sprinkler Piping | |
| 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 | |
| Condition | 3- Fair |
| Approximate Total # of Fans | 26-50 |
| Deficiency | DEFECTIVE MOTOR |
| Deficiency Location/Instance | Roof / EFs # 1,#2, #3 |
| Deficiency Quantity | 3 |
| Quantity Uom | EACH |

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| Question | Response |
|---|-----------------------------|
| VENTILATION | |
| Exhaust Fan | |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| Heating And Ventilating Unit | |
| Condition | Inspected |
| Deficiency | 3- Fair |
| Metal Ductwork | |
| Condition | Inspected |
| Are there any uninsulated ductwork by design in Mechanical rooms? | 3- Fair |
| Are there chain operated dampers? | Yes |
| Deficiency | No |
| Deficiency Location/Instance | DEFECTIVE REGISTER/DIFFUSER |
| Deficiency Quantity | Gymnasium |
| Quantity Uom | 3 |
| Potential Action | EACH |
| Urgency of Action | MAINTENANCE |
| Purpose of Action | PRIORITY 3 |
| Violations | LEVEL 2 |
| Supply Fan | |
| Condition | Does not exist |
| Unit Ventilator | |
| Condition | Inspected |
| Deficiency | 3- Fair |
| Unit Ventilator | |
| Deficiency | No deficiencies recorded |