

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

K124

School: P.S. 124 - BROOKLYN, 515 4TH AVENUE, BROOKLYN, NY, 11215

| InspectionId | Inspection Type | Time In | Last Edited |
|--------------|-----------------|--------------------|--------------------|
| 1730056 | MECHANICAL | 2010-12-07 09:03AM | 2011-03-22 03:26PM |

Asset Data

| Question | Answer |
|-----------------------------------------------------------|----------------------------------------------------|
| Have any Systems/Major Building Components been upgraded? | Systems: DX Split for MDF Room 302a Years: 2007 |
| Are there fuel tanks? | Yes |
| Total # of above ground tanks | 2 |
| Total capacity of all above ground tanks in gal. | 4,000 |
| Total # of below ground tanks | 0 |
| Total capacity of all below ground tanks in gal. | 0 |

Priority Condition

No condition recorded

Inspection

| Question | Response |
|---------------------------------------------|---------------------------------------------------------|
| MECHANICAL | |
| AIR CONDITIONING | Does not exist |
| CENTRAL ACID WASTE NEUTRALIZING TANK | Does not exist |
| CLIMATE CONTROL SYSTEM | Inspected |
| DDC SYSTEM | Does not exist |
| ELECTRIC SYSTEM | Does not exist |
| HYBRID SYSTEM | Does not exist |
| PNEUMATIC SYSTEM | Inspected |
| Instance | Throughout building |
| Instance Condition | 3- Fair |
| Instance Quantity | 1 |
| Instance Quantity Uom | EACH |
| Building Area Covered by Operational System | 41-60% |
| Deficiency | DEFECTIVE TEMPERATURE CONTROL THERMOSTAT |
| Deficiency Location/Instance | Rooms 201, 203, 207, 301, 308 and other rooms |
| Deficiency Quantity | 15 |
| Quantity Uom | EACH |
| Potential Action | MAINTENANCE |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| Deficiency | PNEUMATIC TUBING:DEFECTIVE/LEAKS AIR |
| Deficiency Location/Instance | Teachers cafe, Rooms 207, 308, 306a and other locations |
| Deficiency Quantity | 30 |
| Quantity Uom | L.F. |
| Potential Action | MAINTENANCE |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| COMPACTOR | Does not exist |
| CONVEYING | Inspected |
| ASH HOIST | Inspected |
| Condition | 3- Fair |
| Deficiency | NOT IN USE |
| Deficiency Location/Instance | Basement - Next to multipurpose room |
| Deficiency Quantity | 1 |
| Quantity Uom | EACH |
| Potential Action | NO ACTION |
| Urgency of Action | PRIORITY 1 |

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

K124

| Question | Response |
|------------------------------------------------|------------------------------------|
| CONVEYING | |
| ASH HOIST | |
| Purpose of Action | LEVEL 1 |
| Violations | No violations recorded |
| DUMBWAITERS | Does not exist |
| ELEVATORS | Does not exist |
| ESCALATORS | Does not exist |
| Non-auditorium Handicap Lift - Stair | Does not exist |
| Non-auditorium Handicap Lift - Vertical | Does not exist |
| SIDEWALK ELEVATOR | Inspected |
| Condition | 3- Fair |
| Deficiency | HYDRAULIC:NOT IN USE |
| Deficiency Location/Instance | Basement - Next to cafeteria |
| Deficiency Quantity | 1 |
| Quantity Uom | EACH |
| Potential Action | NO ACTION |
| Urgency of Action | PRIORITY 1 |
| Purpose of Action | LEVEL 1 |
| Violations | No violations recorded |
| DOMESTIC WATER SYSTEM | Inspected |
| DOMESTIC COLD WATER SYSTEM | Inspected |
| Gravity System | Does not exist |
| Pressure Booster System | Does not exist |
| Water Service | Inspected |
| Service Piping (Water Main) | Inspected |
| Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Water Main - Double Check Valve | Does not exist |
| Water Main - RPZ | Does not exist |
| DOMESTIC HOT WATER SYSTEM | Inspected |
| Domestic Hot Water Circulating Pump | Inspected |
| Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Domestic Hot Water Remote Storage Tank | Does not exist |
| Domestic Water Heat Exchanger | Does not exist |
| Electric Domestic Water Heater | Does not exist |
| Gas Fired Domestic Water Heater | Inspected |
| Instance | Boiler Room |
| Instance Condition | 2- Between Good and Fair |
| Instance Quantity | 1 |
| Instance Quantity Uom | EACH |
| Manufacturer | PVI |
| EquipmentId | N/A |
| Capacity/Size | 199 MBH, 225 Gal |
| Installation Year | 1997 |
| Source of Installation Year | Documented |
| Deficiency | No deficiencies recorded |
| Oil Fired Domestic Water Heater | Does not exist |
| DOMESTIC WATER DISTRIBUTION PIPING | Inspected |
| Condition | 3- Fair |
| Deficiency | BEYOND USEFUL LIFE - NON DEFECTIVE |
| Deficiency Location/Instance | Throughout building |
| Deficiency Quantity | 1,500 |
| Quantity Uom | L.F. |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 1 |

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

K124

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|--------------------------------------------------------|------------------------------------|
| DOMESTIC WATER SYSTEM | |
| DOMESTIC WATER DISTRIBUTION PIPING | |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| DRAIN/WASTE/VENT AND STORM SYSTEM | Inspected |
| HOUSE TRAP | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| INTERIOR FLOOR DRAIN | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| INTERIOR STORM PIPING | Does not exist |
| SEWAGE / WASTE PIPING | Inspected |
| Condition | 3- Fair |
| Deficiency | BEYOND USEFUL LIFE - NON DEFECTIVE |
| Deficiency Location/Instance | Throughout entire building |
| Deficiency Quantity | 333 |
| Quantity Uom | L.F. |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 1 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| SEWAGE EJECTOR PUMP | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| SUMP PUMP | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| VENT PIPING | Inspected |
| Condition | 3- Fair |
| Deficiency | BEYOND USEFUL LIFE - NON DEFECTIVE |
| Deficiency Location/Instance | Throughout entire building |
| Deficiency Quantity | 167 |
| Quantity Uom | L.F. |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 1 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| 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 | 3- Fair |
| Deficiency | No deficiencies recorded |
| Toilet | Inspected |
| Condition | 3- Fair |
| Deficiency | CRACKED/PHYSICAL DAMAGE |
| Deficiency Location/Instance | Principle' s office |
| Deficiency Quantity | 1 |
| Quantity Uom | EACH |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 3 |

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

K124

| Question | Response |
|-------------------------------------|--------------------------------|
| FIXTURES | |
| STAFF AND OTHER | |
| Toilet | |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| Urinal | Does not exist |
| 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 | Does not exist |
| 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 | Multipurpose room - boy's room |
| Deficiency Quantity | 2 |
| Quantity Uom | EACH |
| 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 |
| CO/GAS LEAK DETECTION | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| GAS DISTRIBUTION PIPING | Inspected |
| Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| GAS METER ROOM EXHAUST FAN | Inspected |
| Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| GAS METER ROOM VENT | Inspected |
| Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| GAS PRESSURE BOOSTER | Inspected |
| Instance | Gas meter room |
| Instance Condition | 2- Between Good and Fair |
| Instance Quantity | 1 |
| Instance Quantity Uom | EACH |
| Manufacturer | Hermatic |
| EquipmentId | N/A |
| Capacity/Size | 16000 SCFH |
| Installation Year | 1997 |
| Source of Installation Year | Documented |
| Deficiency | No deficiencies recorded |

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

K124

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|-----------------------------------------------|------------------------------------------|
| HEATING | Inspected |
| BASEBOARD/FIN TUBE | Does not exist |
| HEATING COILS IN DUCTWORK | Does not exist |
| HYDRONIC HEATING | Does not exist |
| RADIATOR / CONVECTOR | Inspected |
| Condition | 3- Fair |
| Deficiency | BEYOND USEFUL LIFE - NON DEFECTIVE |
| Deficiency Location/Instance | Throughout entire building |
| Deficiency Quantity | 110 |
| Quantity Uom | EACH |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 1 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| STEAM HEATING | Inspected |
| F&T/Steam Drip Trap | Inspected |
| Condition | 2- Between Good and Fair |
| Deficiency | DEFECTIVE/DETERIORATED |
| Deficiency Location/Instance | Various locations - hot return at boiler |
| Deficiency Quantity | 10 |
| Quantity Uom | EACH |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| MER Steam and Condensate Piping | Does not exist |
| Steam Condensate Return Piping | Inspected |
| Condition | 3- Fair |
| Deficiency | BEYOND USEFUL LIFE - NON DEFECTIVE |
| Deficiency Location/Instance | Throughout entire building |
| Deficiency Quantity | 1,000 |
| Quantity Uom | L.F. |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 1 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| Steam Condensate Return Pumping System | Inspected |
| Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Steam Piping | Inspected |
| Condition | 3- Fair |
| Deficiency | BEYOND USEFUL LIFE - NON DEFECTIVE |
| Deficiency Location/Instance | Throughout entire building |
| Deficiency Quantity | 1,000 |
| Quantity Uom | L.F. |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 1 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| Deficiency | DEFECTIVE ISOLATION VALVE |
| Deficiency Location/Instance | Cafeteria (Steam Riser) |
| Deficiency Quantity | 1 |
| Quantity Uom | EACH |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

K124

| Question | Response |
|-------------------------------------------|------------------------------------------|
| HEATING | |
| STEAM HEATING | |
| Terminal Unit Thermostatic Trap | Inspected |
| Condition | 2- Between Good and Fair |
| Deficiency | DEFECTIVE/DETERIORATED |
| Deficiency Location/Instance | Various Location |
| Deficiency Quantity | 10 |
| Quantity Uom | EACH |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| STEAM SUPPLIED BY EXTERNAL SOURCES | |
| | Does not exist |
| UNIT HEATER/CABINET HEATER | |
| | Inspected |
| Condition | 3- Fair |
| Deficiency | BEYOND USEFUL LIFE - NON DEFECTIVE |
| Deficiency Location/Instance | Basement Boy's and girl's Rooms |
| Deficiency Quantity | 2 |
| Quantity Uom | EACH |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 1 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| Deficiency | DEFECTIVE UNIT |
| Deficiency Location/Instance | Cafeteria, Gymnasium, basement stair A/B |
| Deficiency Quantity | 4 |
| Quantity Uom | EACH |
| Potential Action | MAINTENANCE |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| Deficiency | DEFECTIVE CONTROLS |
| Deficiency Location/Instance | Basement Boy's and girl's Rooms |
| Deficiency Quantity | 2 |
| Quantity Uom | EACH |
| Potential Action | REPAIR |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| HEATING PLANT | |
| | Inspected |
| Replacement Quantity | 3,120 |
| Replacement Uom | MBH |
| Instance | Boiler Room |
| Burner Type | Dual Fuel (Gas / Oil) |
| Heating Plant Oil Number | 2 |
| BOILER AUXILIARIES | |
| Instance on Boiler Room | Inspected |
| Boiler Auxiliary Piping | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Boiler Emergency Stop Switch | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Boiler Feedwater System | |

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Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

K124

| Question | Response |
|------------------------------------------------|--------------------------|
| HEATING PLANT | |
| BOILER AUXILIARIES | |
| Boiler Feedwater System | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Boiler Feedwater Treatment(Automatic) | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Boiler Flue Exhaust | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Boiler Make-up Water Backflow Preventer | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 4- Between Fair and Poor |
| Deficiency | DEFECTIVE RPZ |
| 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 Room Steam And Condensate Piping | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Boiler Safety Valve | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| BOILER SYSTEM | |
| Instance on Boiler Room | Inspected |
| Coal-fired Boiler | |
| Instance on Boiler Room | Does not exist |
| Hot Water Boiler | |
| Instance on Boiler Room | Does not exist |
| Modular Boiler | |
| Instance on Boiler Room | Does not exist |
| Steam Boiler | |
| Instance on Boiler Room | Inspected |
| Instance | Boiler Room |
| Instance Condition | 2- Between Good and Fair |
| Instance Quantity | 1,560 |
| Instance Quantity Uom | MBH |
| Manufacturer | Easco |
| EquipmentId | 8087-01 |
| Capacity/Size | 1560 MBH Net |
| Installation Year | 1997 |
| Source of Installation Year | Documented |
| Deficiency | No deficiencies recorded |
| Instance | Boiler Room |
| Instance Condition | 2- Between Good and Fair |

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

K124

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|------------------------------------------|--------------------------|
| HEATING PLANT | |
| BOILER SYSTEM | |
| Steam Boiler | |
| Instance Quantity | 1,560 |
| Instance Quantity Uom | MBH |
| Manufacturer | Easco |
| EquipmentId | 8087-02 |
| Capacity/Size | 1560 MBH Net |
| Installation Year | 1997 |
| Source of Installation Year | Documented |
| Deficiency | No deficiencies recorded |
| FUEL SYSTEMS | |
| Instance on Boiler Room | Inspected |
| Boiler Fresh Air Louver/Damper | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Burner/Burner Control Panel | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Fuel Oil Storage/Supply System | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| Gas Trains And Vent At The Boiler | |
| Instance on Boiler Room | Inspected |
| Instance Condition | 2- Between Good and Fair |
| Deficiency | No deficiencies recorded |
| IDF (ENCLOSED ROOMS) | Does not exist |
| KITCHEN | Inspected |
| Instance | Basement |
| CO DETECTOR | |
| Instance on Basement | Not required |
| GAS SYSTEM | |
| Instance on Basement | Does not exist |
| GREASE TRAP | |
| Instance on Basement | Inspected |
| Instance Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| HOOD | |
| Instance on Basement | Does not exist |
| HOOD EXHAUST DUCTWORK | |
| Instance on Basement | Does not exist |
| HOOD EXHAUST FAN | |
| Instance on Basement | Does not exist |
| HOOD FIRE SUPPRESSION SYSTEM | |
| Instance on Basement | Does not exist |
| HOT WATER TEMPERATURE BOOSTER | |
| Instance on Basement | Does not exist |
| KITCHEN SINK | |
| Instance on Basement | Inspected |
| Instance Condition | 3- Fair |
| Deficiency | No deficiencies recorded |

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

K124

| Question | Response |
|-------------------------------------------|-----------------------------------------------------------|
| MDF ROOM | Inspected |
| Instance | Room 302a |
| A/C EQUIPMENT | |
| Instance on Room 302a | Inspected |
| Instance Condition | 1- Good |
| Deficiency | No deficiencies recorded |
| VENTILATION EQUIPMENT | |
| Instance on Room 302a | Does not exist |
| 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 |
| EXHAUST FAN | Inspected |
| Condition | 4- Between Fair and Poor |
| Deficiency | DEFECTIVE/DETERIORATED |
| Deficiency Location/Instance | Roof and schoolyard (For Basement Boy's and girl's rooms) |
| Deficiency Quantity | 2 |
| Quantity Uom | EACH |
| Potential Action | REPLACE |
| Urgency of Action | PRIORITY 3 |
| Purpose of Action | LEVEL 2 |
| Violations | No violations recorded |
| HEATING AND VENTILATING UNIT | Does not exist |
| METAL DUCTWORK | Inspected |
| Condition | 3- Fair |
| Deficiency | No deficiencies recorded |
| SUPPLY FAN | Does not exist |
| UNIT VENTILATOR | Does not exist |