

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K329

School: **P.S. 329 - BROOKLYN, 2929 WEST 30 STREET, BROOKLYN, NY, 11212**

InspectionId	Inspection Type	Time In	Last Edited
1194026	MECHANICAL	2008-12-24 08:20AM	2009-01-15 11:54PM

Asset Data

Question	Answer
Heating Plant Oil Number	4
Have any Systems/Major Building Components been upgraded?	Systems: DX Split A/C for MDF Room Years: 2004 Systems: Refrigerated Air Dryer and PRVs at PRV station Years: 2006 Systems: Climate control air compressors (Tank original) Years: 2007 Systems: F/T Steam Traps Years: 2002

Priority Condition

No condition recorded

Inspection

Question	Response
MECHANICAL	
AIR CONDITIONING	Inspected
Chilled Water System	Inspected
Absorption Chiller	Does not exist
Air Cooled Chiller	Inspected
Instance	Chiller Room (Room 104)
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Trane
EquipmentId	N/A
Capacity/Size	250 Tons
Installation Year	1973
Deficiency	No deficiencies recorded
Air Cooled Condenser	Inspected
Instance	Roof
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Trane
EquipmentId	N/A
Capacity/Size	125 Tons
Installation Year	1973
Deficiency	No deficiencies recorded
Instance	Roof
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Trane
EquipmentId	N/A
Capacity/Size	125 Tons
Installation Year	1973
Deficiency	No deficiencies recorded
Air Separator	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Backflow Preventer	Inspected

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K329

Question	Response
AIR CONDITIONING	
Chilled Water System	
Backflow Preventer	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Central Station Air Handler	
Instance	Inspected
Instance Condition	Penthouse (Fan Room #3)
Instance Quantity	3- Fair
Instance Quantity Uom	1
Manufacturer	EACH
EquipmentId	Trane
Capacity/Size	AC-4
Installation Year	N/A
Deficiency	1973
Instance	No deficiencies recorded
Instance Condition	2nd Floor Fan Room (Fan Room #1)
Instance Quantity	3- Fair
Instance Quantity Uom	1
Manufacturer	EACH
EquipmentId	Trane
Capacity/Size	AC-1
Installation Year	5 hp
Deficiency	1973
Instance	No deficiencies recorded
Instance Condition	2nd Floor Fan Room (Fan Room #2)
Instance Quantity	3- Fair
Instance Quantity Uom	2
Manufacturer	EACH
EquipmentId	Trane
Capacity/Size	AC-2 / AC-3
Installation Year	7.5 hp each
Deficiency	1973
Instance	No deficiencies recorded
Chilled Water Piping	
Condition	Inspected
Deficiency	3- Fair
Chilled Water Pump	
Condition	Inspected
Deficiency	3- Fair
Deficiency Location/Instance	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Quantity	Chiller Room (Room 104)
Quantity Uom	2
Potential Action	EACH
Urgency of Action	REPLACE
Purpose of Action	PRIORITY 1
Violations	LEVEL 2
Chiller Emergency Stop Switch	
Condition	No violations recorded
Cold Water Piping (A/C Make-up)	
Condition	Does not exist
Deficiency	Inspected
Expansion Tank	
Condition	3- Fair
Deficiency	No deficiencies recorded
Fan Coil Unit	
Condition	Inspected
Fan Coil Unit	
Condition	3- Fair

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K329

Question	Response
AIR CONDITIONING	
Chilled Water System	
Fan Coil Unit	
Deficiency	No deficiencies recorded
Packaged Air Cooled Chiller	Does not exist
Water Cooled Chiller	Does not exist
Condenser Water Piping	Does not exist
Condenser Water Pump	Does not exist
Cooling Coils in Ductwork	Does not exist
Cooling Tower	Does not exist
DX Split System	
Indoor Unit	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Outdoor Unit	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Packaged / Rooftop Unit	Does not exist
Packaged Terminal A/C	Does not exist
Refrigerant Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Return Fan	
Condition	3- Fair
Deficiency	No deficiencies recorded
Window Type A/C	
Condition	3- Fair
Deficiency	No deficiencies recorded
CENTRAL ACID WASTE NEUTRALIZING TANK	
CLIMATE CONTROL SYSTEM	
Damper Actuator	
Condition	3- Fair
Deficiency	No deficiencies recorded
DDC Computer	
Local Control Panel	
Condition	3- Fair
Deficiency	No deficiencies recorded
Pneumatic PRV Station	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Pneumatic Tubing	
Condition	3- Fair
Deficiency	No deficiencies recorded
Refrigerated Air Dryer	
Condition	1- Good
Deficiency	No deficiencies recorded
Temperature Control Air Compressor	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Temperature Control Thermostat	
Condition	3- Fair
Deficiency	No deficiencies recorded
Temperature Control Zone Valve	
Condition	2- Between Good and Fair

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K329

Question	Response
CLIMATE CONTROL SYSTEM	
Temperature Control Zone Valve	
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Valve	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
COMPACTOR	Inspected
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	First Floor
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
CONVEYING	Inspected
Dumbwaiters	Does not exist
Elevators	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Escalators	Does not exist
Non-auditorium Handicap Lift	Does not exist
Sidewalk / Ash Hoist	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
Service Piping (Water Main)	Inspected
Condition	3- 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	3- Fair
Deficiency	No deficiencies recorded
Domestic Hot Water Remote Storage Tank	Does not exist
Domestic Water Heat Exchanger	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Electric Domestic Water Heater	Does not exist
Gas Fired Domestic Water Heater	Does not exist
Oil Fired 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
House Trap	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Interior Floor Drain	Inspected
Condition	3- Fair

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K329

Question	Response
DRAIN/WASTE/VENT AND STORM SYSTEM	
Interior Floor Drain	
Deficiency	No deficiencies recorded
Interior Storm Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sewage / Waste Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sewage Ejector Pump	Does not exist
Sump Pump	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Vent Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	
	Does not exist
EMERGENCY GENERATOR	
	Does not exist
FIXTURES	
Staff And Other	Inspected
Boiler Room - Eye Wash	Does not exist
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	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Student	Inspected
Drinking Fountain	Inspected
Condition	2- Between Good and 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	2- Between Good and Fair
Deficiency	No deficiencies recorded
Toilet	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K329

Question	Response
FIXTURES	
Student	
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	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
HEATING	Inspected
Baseboard/Fin Tube	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Heating Coils In Ductwork	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Hydronic Heating	Does not exist
Radiator / Convectector	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	No deficiencies recorded
Steam Condensate Return System	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE PUMP
Deficiency Location/Instance	Boiler Room(1of 2)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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
Terminal Fan Coil Unit	Does not exist
Unit Heater/Cabinet Heater	Inspected
Condition	3- Fair

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K329

Question	Response
HEATING	
Unit Heater/Cabinet Heater	
Deficiency	No deficiencies recorded
HEATING PLANT	
Replacement Quantity	10,324
Replacement Uom	MBH
Boiler Auxiliaries	
Boiler Blowdown/Piping System	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Breeching	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Damper (In Breeching)	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	
Boiler Feedwater Pump	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater Tank	
Condition	3- Fair
Deficiency	No deficiencies recorded
Feedwater Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater Treatment(Automatic)	
Boiler Gas Burner	
Boiler Gas/Oil Burner	
Boiler Header Valve	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	
Boiler Make-up Water Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Oil Burner	
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Room Steam And Condensate Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Safety Valve	
Condition	3- Fair

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K329

Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Safety Valve	
Deficiency	No deficiencies recorded
Burner Control Panel	
Condition	Inspected
Deficiency	3- Fair
Deficiency Location/Instance	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Quantity	Boiler Room
Quantity Uom	2
Potential Action	EACH
Urgency of Action	REPLACE
Purpose of Action	PRIORITY 1
Violations	LEVEL 2
Violations	No violations recorded
Boiler System	
Inspected	
Coal-fired Boiler	
Does not exist	
Hot Water Boiler	
Does not exist	
Modular Boiler	
Does not exist	
Steam Boiler	
Inspected	
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	5,162
Instance Quantity Uom	MBH
Manufacturer	Kewanee
EquipmentId	59125-01
Capacity/Size	6648 MBH(gross)
Installation Year	1973
Deficiency	No deficiencies recorded
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	5,162
Instance Quantity Uom	MBH
Manufacturer	Kewanee
EquipmentId	59125-02
Capacity/Size	6648 MBH(gross)
Installation Year	1973
Deficiency	No deficiencies recorded
Fuel Systems	
Inspected	
Boiler Fresh Air Louver/Damper	
Inspected	
Condition	3- Fair
Deficiency	No deficiencies recorded
CO/Gas Leak Detection	
Does not exist	
Fuel Oil Heater	
Inspected	
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Fuel Oil Level Gauge	
Inspected	
Condition	3- Fair
Deficiency	No deficiencies recorded

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K329

Question	Response
HEATING PLANT	
Fuel Systems	
Fuel Oil Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Oil Tank	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Fuel Transfer Pump	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Trains And Vent At The Boiler	Does not exist
Oil Leak Detector In Tank Room	Does not exist
Overfill Alarm By Oil Fill	Does not exist
KITCHEN	
Instance	First Floor
CO Detector	
Instance on First Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
CO/Gas Leak Detector	
Instance on First Floor	Does not exist
Gas System	
Instance on First Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Grease Trap	
Instance on First Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood	
Instance on First Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Hood Exhaust Ductwork	
Instance on First Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Exhaust Fan	
Instance on First Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Fire Suppression System	
Instance on First Floor	Does not exist
Hot Water Temperature Booster	
Instance on First Floor	Does not exist
Kitchen Sink	
Instance on First Floor	Inspected
Instance Condition	3- 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

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K329

Question	Response
SPRINKLERS, STANDPIPE, FIRE SYSTEM	
Deluge Valve	Does not exist
Fire Booster Pump Assembly	Does not exist
Roof Tank	Does not exist
Siamese Connection	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sprinkler Alarm Valve Assembly	Does not exist
Sprinkler Head	Inspected
Condition	3- Fair
Deficiency	No deficiencies 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	Inspected
Duct- Register / Diffuser	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Exhaust Fan	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Fire / Smoke Damper	Does not exist
Heating And Ventilating Unit	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Metal Ductwork	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Supply Fan	Does not exist
Unit Ventilator	Does not exist