

**NYC Department of Education**  
**Building Condition Assessment Survey 2017 - 2018**

Mechanical Inspection

K277

**Asset: P.S. 277 - BROOKLYN, 2529 GERRITSEN AVENUE, New York, 11229**

Inspection Id	Inspection Type	Time In	Last Edited
ME : K277	Mechanical	2018-04-18 12:04 PM	2018-04-30 11:56 AM

Asset Data

Question	Answer
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	2
MERs/Fan Rooms Locations	Original Building - 2nd Floor MER, Building Addition - Basement MER
Are there any spaces with Missing or Defective CO Detectors?	Yes
Location(s)	Boiler Room
Are there any Emergency Stop Switches with Missing Hammers?	No
Are there any Painted/Obstructed Sprinkler Heads?	No
Have any Systems/Major Building Components been upgraded?	Yes
	Systems: Boiler Feedwater System
	Years: 2017
	Systems: F&T/Steam Drip Traps
	Years: 2016
	Systems: Kitchen - Grease Trap
	Years: 2012
	Systems: Climate Control System: Pneumatic in Original Building
	Years: 2011
	Systems: Terminal Unit Thermostatic Traps (60%)
	Years: 2009
	Systems: MDF Room - Dedicated A/C Equipment (DX Split System)
	Years: 2007

Priority Condition

Priority Condition Exist Last Year?	Priority Category	Condition Description	Component Affected	Location Description	Person(s) Notified	Person(s) Title	Status	PhotoImage
No	Defective Emergency Stop Switch	Boiler Emergency Stop Switch glass is broken.	HEATING PLANT   Boiler Auxiliaries   Boiler Emergency Stop Switch	Boiler Room (1 of 2)	Eric Olson	Fireman	Sent to DSF	

Inspection

Question	Response
<b>Mechanical</b>	
<b>AIR CONDITIONING</b>	Inspected
<b>Chilled Water System</b>	Does not Exist
<b>Condenser Water Distribution: Piping, Pumps and Auxiliaries</b>	Does not Exist
<b>Cooling Coil in Ductwork</b>	Does not Exist
<b>Cooling Tower</b>	Does not Exist
<b>DX Split System</b>	Does not Exist
<b>Dry Cooler</b>	Does not Exist
<b>Packaged / Rooftop Unit</b>	Inspected

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Question	Response
<b>AIR CONDITIONING</b>	
<b>Packaged / Rooftop Unit</b>	
Instance	Auditorium Roof
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Source of Heating	N/A
Instance Manufacturer	Trane
Equipment	N/A
Capacity/Size Quantity	30
Capacity/Size UOM	Tons
Source of Capacity/Size	Inspector Estimate
Installation Year	2004
Source of Installation	Inspector Estimate
Deficiency	No deficiencies recorded
<b>Packaged Terminal A/C</b>	Does not Exist
<b>Refrigerant Piping</b>	Does not Exist
<b>Return Fan</b>	Does not Exist
<b>CENTRAL ACID WASTE NEUTRALIZING TANK</b>	Does not Exist
<b>CLIMATE CONTROL SYSTEM</b>	Inspected
<b>BMS</b>	Does not Exist
<b>Pneumatic System</b>	Inspected
Instance	Building Addition - Throughout
Instance Condition	3 - Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Deficiency	DEFECTIVE TERMINAL UNIT CONTROL VALVE
Deficiency Location/Instance	Rooms 114, 121, 123
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Instance	Original Building - 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
<b>Hybrid System</b>	Does not Exist
<b>Electric System</b>	Does not Exist
<b>COMPACTOR</b>	Does not Exist
<b>CONVEYING</b>	Does not Exist
<b>DOMESTIC WATER SYSTEM</b>	Inspected
<b>Domestic Cold Water System</b>	Inspected

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Question	Response
<b>DOMESTIC WATER SYSTEM</b>	
<b>Domestic Cold Water System</b>	
Gravity System	Does not Exist
Pressure Booster System	Does not Exist
Water Service	Inspected
Instance	Original Building - Basement
Instance Condition	3 - Fair
Instance Quantity	2
Instance Quantity Uom	EACH
Deficiency	WATER MAIN: MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	Original Building - Basement
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Domestic Hot Water System</b>	Inspected
<b>Domestic Hot Water Remote Storage Tank</b>	Does not Exist
<b>Domestic Water Heat Exchanger</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Electric Domestic Water Heater</b>	Does not Exist
<b>Gas Fired Domestic Water Heater</b>	Does not Exist
<b>Oil Fired Domestic Water Heater</b>	Does not Exist
<b>Domestic Water Distribution Piping</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>DRAIN/WASTE/VENT AND STORM SYSTEM</b>	Inspected
<b>Interior Storm Piping</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Sewage/Waste/Vent Piping</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Sewage Ejector Pump</b>	Does not Exist
<b>Sump Pump</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)</b>	Does not Exist
<b>FIXTURES</b>	Inspected
<b>Staff And Other</b>	Inspected
<b>Janitor Sink</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Lavatory/Sink</b>	Inspected
Condition	3 - Fair

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Question	Response
<b>FIXTURES</b>	
<b>Staff And Other</b>	
<b>Lavatory/Sink</b>	Inspected
Deficiency	No deficiencies recorded
<b>Toilet</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Urinal</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Student</b>	
<b>Drinking Fountain</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Lavatory/Sink</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Locker Room Shower</b>	Does not Exist
<b>Sink And Fountain Combo Unit</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Toilet</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Urinal</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>GAS FIRED FURNACE</b>	Does not Exist
<b>GAS SERVICE</b>	Inspected
<b>Gas Distribution Piping</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Gas Meter Room Exhaust Fan</b>	Does not Exist
<b>Gas Meter Room Vent</b>	Does not Exist
<b>Gas Pressure Booster</b>	Does not Exist
<b>CO/Gas Leak Detection</b>	Does not Exist
<b>HEATING</b>	
<b>Heating Coil In Ductwork</b>	Inspected
Condition	3 - Fair
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Building Addition - Basement MER (reheat coil leaks)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Hydronic Heating</b>	Does not Exist

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Question	Response
<b>HEATING</b>	
<b>Radiator/Convactor/Fin Tube</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Steam Heating</b>	Inspected
<b>F&amp;T/Steam Drip Trap</b>	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
<b>MER Steam and Condensate Piping</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Steam Condensate Return Piping</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Steam Condensate Return Pumping System</b>	Inspected
Condition	4 - Between Fair and Poor
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Building Addition - Basement MER (1 of 2)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Deficiency	DEFECTIVE PUMP
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Steam Piping</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Terminal Unit Thermostatic Trap</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Various locations (20%)
Deficiency Quantity	15
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Steam supplied by External Sources</b>	Does not Exist
<b>Unit Heater/Cabinet Heater</b>	Does not Exist

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<b>Question</b>	<b>Response</b>
<b>HEATING</b>	Inspected
<b>Unit Heater/Cabinet Heater</b>	
<b>HEATING PLANT</b>	Inspected
Replacement Quantity	7,204
Replacement Uom	MBH Net
Instance on Original Building - Basement	Inspected
Burner Type	Oil
Heating Plant Oil Number	4
<b>Boiler Auxiliaries</b>	Inspected
Instance on Original Building - Basement	Inspected
<b>Boiler Auxiliary Piping</b>	
Instance on Original Building - Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Boiler Emergency Stop Switch</b>	
Instance on Original Building - Basement	Inspected
Condition	3 - Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	Boiler Room (1 of 2)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Boiler Feedwater System</b>	
Instance on Original Building - Basement	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
<b>Boiler Feedwater Treatment(Automatic)</b>	
Instance on Original Building - Basement	Does not Exist
<b>Boiler Flue Exhaust</b>	
Instance on Original Building - Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Boiler Make-up Water Backflow Preventer</b>	
Instance on Original Building - Basement	Does not Exist
<b>Boiler Room Steam And Condensate Piping</b>	
Instance on Original Building - Basement	Inspected
Condition	3 - Fair
Deficiency	DEFECTIVE ISOLATION VALVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.

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Question	Response
<b>HEATING PLANT</b>	Inspected
<b>Boiler Auxiliaries</b>	
<b>Boiler Room Steam And Condensate Piping</b>	
Deficiency	DEFECTIVE HEADER VALVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Boiler Safety Valve</b>	
Instance on Original Building - Basement	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Boiler System</b>	Inspected
Instance on Original Building - Basement	Inspected
<b>Coal-fired Boiler</b>	
Instance on Original Building - Basement	Does not Exist
<b>Hot Water Boiler</b>	
Instance on Original Building - Basement	Does not Exist
<b>Modular Boiler</b>	
Instance on Original Building - Basement	Does not Exist
<b>Steam Boiler</b>	
Instance on Original Building - Basement	Inspected
Instance	Boiler Room
Instance Condition	3 - Fair
Instance Quantity	3,602
Instance Quantity Uom	MBH Net
Instance Manufacturer	Kewanee Boiler Corporation
Equipment	42327-1
Capacity/Size Quantity	40
Capacity/Size UOM	Burner GPH
Source of Capacity/Size	Documented
Installation Year	1953
Source of Installation	Documented
Deficiency	DAMAGED REFRACTORY
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Deficiency	LEAKY/PLUGGED TUBES
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE

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Question	Response
<b>HEATING PLANT</b>	
<b>Boiler System</b>	
<b>Steam Boiler</b>	
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Deficiency	BEYOND USEFUL LIFE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Instance on Original Building - Basement	Inspected
Instance	Boiler Room
Instance Condition	3 - Fair
Instance Quantity	3,602
Instance Quantity Uom	MBH Net
Instance Manufacturer	Kewanee Boiler Corporation
Equipment	42327-2
Capacity/Size Quantity	40
Capacity/Size UOM	Burner GPH
Source of Capacity/Size	Documented
Installation Year	1953
Source of Installation	Documented
Deficiency	DAMAGED REFRACTORY
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Deficiency	LEAKY/PLUGGED TUBES
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Deficiency	BEYOND USEFUL LIFE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE



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<b>HEATING PLANT</b>	
<b>Boiler System</b>	
<b>Steam Boiler</b>	
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Fuel System</b>	
Instance on Original Building - Basement	Inspected
<b>Boiler Fresh Air Louver/Damper</b>	
Instance on Original Building - Basement	Inspected
Condition	3 - Fair
Deficiency	DEFECTIVE ACTUATOR
Deficiency Location/Instance	Boiler Room for Burner #1
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Burner/Burner Control Panel</b>	
Instance on Original Building - Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Fuel Oil Storage/Supply System</b>	
Instance on Original Building - Basement	Inspected
Condition	4 - Between Fair and Poor
Deficiency	FUEL OIL TANK: DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Avenue X side (1 of 2)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Gas Trains And Vent At The Boiler</b>	
Instance on Original Building - Basement	Does not Exist
<b>Enclosed IDF Room</b>	Does not Exist
<b>KITCHEN</b>	
Instance on 1st Floor	Inspected
<b>CO Detector</b>	
Instance on 1st Floor	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
<b>Gas System</b>	
Instance on 1st Floor	Inspected
Condition	3 - Fair

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<b>Question</b>	<b>Response</b>
<b>KITCHEN</b>	
<b>Gas System</b>	Inspected
Deficiency	No deficiencies recorded
<b>Grease Trap</b>	Inspected
Instance on 1st Floor	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Hood</b>	Inspected
Instance on 1st Floor	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Hood Exhaust Ductwork</b>	Inspected
Instance on 1st Floor	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Hood Exhaust Fan</b>	Inspected
Instance on 1st Floor	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Hood Fire Suppression System</b>	Does not Exist
Instance on 1st Floor	Does not Exist
<b>Hot Water Temperature Booster</b>	Inspected
Instance on 1st Floor	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Kitchen Sink</b>	Inspected
Instance on 1st Floor	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>MDF Room</b>	Inspected
Instance on Building Addition - Room 117A	Inspected
<b>Dedicated A/C Equipment</b>	Inspected
Instance on Building Addition - Room 117A	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>SCIENCE DEMO ROOM</b>	Does not Exist
<b>SCIENCE LAB</b>	Does not Exist
<b>SCIENCE PREP ROOM</b>	Does not Exist
<b>SPRINKLERS, STANDPIPE, FIRE SYSTEM</b>	Inspected
<b>Dry Sprinkler Alarm Valve Assembly</b>	Does not Exist
<b>Wet Sprinkler Alarm Valve Assembly</b>	Does not Exist
<b>Fire Booster Pump Assembly</b>	Does not Exist
<b>Roof Tank</b>	Does not Exist
<b>Siamese Connection</b>	Does not Exist
<b>Sprinkler Head</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Sprinkler Piping</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded

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<b>Question</b>	<b>Response</b>
<b>SPRINKLERS, STANDPIPE, FIRE SYSTEM</b>	Inspected
<b>Standpipe System</b>	Does not Exist
<b>Water Gong</b>	Does not Exist
<b>SWIMMING POOL</b>	Does not Exist
<b>VENTILATION</b>	Inspected
<b>Exhaust Fan</b>	Inspected
Approximate Total # of Fans	1-25
Condition	3 - Fair
Deficiency	DEFECTIVE MOTOR
Deficiency Location/Instance	Building Addition - Roof
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Heating And Ventilating Unit</b>	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Metal Ductwork</b>	Inspected
Condition	3 - Fair
Deficiency	DAMAGED FLEXIBLE CONNECTION
Deficiency Location/Instance	Building Addition - Basement MER at EF
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Supply Fan</b>	Inspected
Approximate Total # of Fans	1-5
Condition	3 - Fair
Deficiency	No deficiencies recorded
<b>Unit Ventilator</b>	Does not Exist