

**NYC Department of Education  
Building Condition Assessment Survey 2018-2019**

**Mechanical Inspection**

**X292**


**School:** THE DOMINIC CASTORE EDUCATIONAL COMPLEX - BRONX, 800 LYDIG AVE, BRONX, NY, 10462

InspectionId	Inspection Type	Time In	Last Edited
982	MECHANICAL	2018-12-21 01:20PM	2019-03-01 08:38PM

**Asset Data**

Question	Answer
Have any Systems/Major Building Components been upgraded?	No System Upgraded
Are there fuel tanks?	Yes
Total # of above ground tanks	1
Total capacity of all above ground tanks in gal.	275
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	Pump Room B08, Fire Pump Room B11D
Are there any spaces with Missing or Defective CO Detectors?	Kitchen
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	Defective Sprinkler/Standpipe System	Not operational	Fire Booster Pump Assembly	Fire Pump Room B11D	Rupert Stewart	Custodian	

**Inspection**

Question	Response
<b>Mechanical</b>	
<b>AIR CONDITIONING</b>	Inspected
<b>Chilled Water System</b>	Inspected
<b>Absorption Chiller</b>	Does not exist
<b>Air Cooled Chiller</b>	Does not exist
<b>Air Cooled Condenser</b>	Does not exist
<b>Backflow Preventer</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Central Station Air Handler</b>	Inspected
Instance	East Lower Roof
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	
EquipmentId	RTU-1
Capacity/Size Quantity	18000
Capacity/Size UOM	CFM
Source of Capacity/Size	Documented
Installation Year	2013
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	East Lower Roof
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	
EquipmentId	RTU-3

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<b>Question</b>	<b>Response</b>
<b>AIR CONDITIONING</b>	
<b>Chilled Water System</b>	
<b>Central Station Air Handler</b>	
Capacity/Size Quantity	5500
Capacity/Size UOM	CFM
Source of Capacity/Size	Documented
Installation Year	2013
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	West Lower Roof
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	
EquipmentId	RTU-2
Capacity/Size Quantity	18700
Capacity/Size UOM	CFM
Source of Capacity/Size	Documented
Installation Year	2013
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	West Lower Roof
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	
EquipmentId	RTU-4
Capacity/Size Quantity	6500
Capacity/Size UOM	CFM
Source of Capacity/Size	Documented
Installation Year	2013
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Chilled Water Distribution: Piping, Pumps and Auxiliaries</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Fan Coil Unit</b>	Does not exist
<b>Packaged Air Cooled Chiller</b>	Inspected
Instance	Main Roof
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	
EquipmentId	CH-1
Capacity/Size Quantity	215
Capacity/Size UOM	Tons
Source of Capacity/Size	Custodial Staff
Installation Year	2013
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Water Cooled Chiller</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>Dry Cooler</b>	Does not exist

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<b>Question</b>	<b>Response</b>
<b>AIR CONDITIONING</b>	
<b>DX Split System</b>	Inspected
<b>Indoor Unit</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Outdoor Unit</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Packaged / Rooftop Unit</b>	Does not exist
<b>Packaged Terminal A/C</b>	Does not exist
<b>Refrigerant Piping</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Return Fan</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>CENTRAL ACID WASTE NEUTRALIZING TANK</b>	Does not exist
<b>CLIMATE CONTROL SYSTEM</b>	Inspected
<b>BMS</b>	Inspected
Instance	Throughout
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	0-20%
Installation Year	2013
Source of Installation Year	Documented
Deficiency	DEFECTIVE SYSTEM
Deficiency Location/Instance	Throughout
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>Electric System</b>	Does not exist
<b>Hybrid System</b>	Does not exist
<b>Pneumatic System</b>	Does not exist
<b>COMPACTOR</b>	Does not exist
<b>CONVEYING</b>	Inspected
<b>Ash Hoist</b>	Does not exist
<b>Dumbwaiter</b>	Does not exist
<b>Elevator</b>	Inspected
Condition	1- Good
Are all the existing elevators operable?	Yes
Deficiency	No deficiencies recorded
<b>Escalator</b>	Does not exist
<b>Non-auditorium Handicap Lift - Stair</b>	Does not exist
<b>Non-auditorium Handicap Lift - Vertical</b>	Inspected
Condition	1- Good
Are all the existing non-auditorium vertical handicap lifts operable?	Yes
Deficiency	No deficiencies recorded
<b>Sidewalk Elevator</b>	Does not exist
<b>DOMESTIC WATER SYSTEM</b>	Inspected
<b>Domestic Cold Water System</b>	Inspected

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<b>Question</b>	<b>Response</b>
<b>DOMESTIC WATER SYSTEM</b>	
<b>Domestic Cold Water System</b>	
<b>Gravity System</b>	Does not exist
<b>Pressure Booster System</b>	Inspected
<b>Electric Pressure Booster System</b>	Inspected
Instance	Pump Room B08
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Liquitrol
EquipmentId	N/a
Capacity/Size Quantity	2
Capacity/Size UOM	Total # Pumps
Capacity/Size 2 Quantity	15
Capacity/Size 2 UOM	Total Pumps HP
Source of Capacity/Size	Documented
Installation Year	2013
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Hydraulic/Pneumatic Booster System</b>	Does not exist
<b>Water Service</b>	Inspected
Instance	Pump Room B08, Fire Pump Room B11D
Instance Condition	1- Good
Instance Quantity	3
Instance Quantity Uom	EACH
Deficiency	No deficiencies recorded
<b>Domestic Hot Water System</b>	Inspected
<b>Domestic Hot Water Remote Storage Tank</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Domestic Water Heat Exchanger</b>	Does not exist
<b>Electric Domestic Water Heater</b>	Does not exist
<b>Gas Fired Domestic Water Heater</b>	Inspected
Instance	Boiler Room
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Lochinvar
EquipmentId	N/A
Capacity/Size Quantity	400
Capacity/Size UOM	MBH Input
Capacity/Size 2 Quantity	0
Capacity/Size 2 UOM	Gallons
Source of Capacity/Size	Documented
Installation Year	2013
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Oil Fired Domestic Water Heater</b>	Does not exist
<b>Domestic Water Distribution Piping</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>DRAIN/WASTE/VENT AND STORM SYSTEM</b>	Inspected
<b>Interior Storm Piping</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded

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<b>Question</b>	<b>Response</b>
<b>DRAIN/WASTE/VENT AND STORM SYSTEM</b>	
<b>Sewage Ejector Pump</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Sewage/Waste/Vent Piping</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Sump Pump</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)</b>	
<b>Enclosed IDF Room</b>	Does not exist
<b>FIXTURES</b>	
<b>Staff And Other</b>	Inspected
<b>Janitor Sink</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Lavatory/Sink</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Toilet</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Urinal</b>	Does not exist
<b>Student</b>	Inspected
<b>Drinking Fountain</b>	Inspected
Condition	1- Good
Deficiency	CLOGGED/LEAKING
Deficiency Location/Instance	Corridor near Room 110
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>Lavatory/Sink</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Locker Room Shower</b>	Does not exist
<b>Sink And Fountain Combo Unit</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Toilet</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Urinal</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>GAS FIRED FURNACE</b>	
Does not exist	
<b>GAS SERVICE</b>	
Inspected	
<b>CO/Gas Leak Detection</b>	Inspected
Instance	Boiler Room
Instance Condition	2- Between Good and Fair

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<b>Question</b>	<b>Response</b>
<b>GAS SERVICE</b>	
<b>CO/Gas Leak Detection</b>	
Instance Quantity	1
Instance Quantity Uom	EACH
Installation Year	2013
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Gas Distribution Piping</b>	Inspected
Condition	1- Good
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>	Inaccessible
<b>HEATING</b>	Inspected
<b>Heating Coil In Ductwork</b>	Does not exist
<b>Hydronic Heating</b>	Inspected
<b>Backflow Preventer</b>	Does not exist
<b>Hot Water Heat Exchanger</b>	Does not exist
<b>Hydronic Hot Water Distribution: Piping, Pumps and Auxiliaries</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Radiator/Convactor/Fin Tube</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Steam Heating</b>	Does not exist
<b>Steam supplied by External Sources</b>	Does not exist
<b>Unit Heater/Cabinet Heater</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>HEATING PLANT</b>	
Replacement Quantity	2,244
Replacement Uom	MBH NET
Instance on Penthouse	Inspected
Burner Type	Gas
Heating Plant Oil Number	N/A
<b>Boiler Auxiliaries</b>	Inspected
Instance on Penthouse	Inspected
<b>Boiler Auxiliary Piping</b>	Inspected
Instance on Penthouse	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Boiler Emergency Stop Switch</b>	Inspected
Instance on Penthouse	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Boiler Feedwater System</b>	Does not exist
Instance on Penthouse	Does not exist
<b>Boiler Feedwater Treatment(Automatic)</b>	Does not exist
Instance on Penthouse	Does not exist
<b>Boiler Flue Exhaust</b>	Does not exist
Instance on Penthouse	Does not exist
<b>Boiler Make-up Water Backflow Preventer</b>	Does not exist
Instance on Penthouse	Does not exist
<b>Boiler Room Steam And Condensate Piping</b>	

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<b>Question</b>	<b>Response</b>
<b>HEATING PLANT</b>	
<b>Boiler Auxiliaries</b>	
<b>Boiler Room Steam And Condensate Piping</b>	
Instance on Penthouse	Does not exist
<b>Boiler Safety Valve</b>	
Instance on Penthouse	Does not exist
<b>Boiler System</b>	
Instance on Penthouse	Inspected
<b>Coal-fired Boiler</b>	
Instance on Penthouse	Does not exist
<b>Hot Water Boiler</b>	
Instance on Penthouse	Does not exist
<b>Modular Boiler</b>	
Instance on Penthouse	Inspected
Instance	Boiler Room
Instance Condition	1- Good
Instance Quantity	1,122
Instance Quantity Uom	MBH NET
Manufacturer	AERCO
EquipmentId	164225-01
Capacity/Size Quantity	1290
Capacity/Size UOM	MBH Gross
Source of Capacity/Size	Documented
Installation Year	2013
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	Boiler Room
Instance Condition	1- Good
Instance Quantity	1,122
Instance Quantity Uom	MBH NET
Manufacturer	AERCO
EquipmentId	164225-02
Capacity/Size Quantity	1290
Capacity/Size UOM	MBH Gross
Source of Capacity/Size	Documented
Installation Year	2013
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Steam Boiler</b>	
Instance on Penthouse	Does not exist
<b>Fuel System</b>	
Instance on Penthouse	Inspected
<b>Boiler Fresh Air Louver/Damper</b>	
Instance on Penthouse	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Burner/Burner Control Panel</b>	
Instance on Penthouse	Does not exist
<b>Fuel Oil Storage/Supply System</b>	
Instance on Penthouse	Does not exist
<b>Gas Trains And Vent At The Boiler</b>	
Instance on Penthouse	Does not exist
<b>KITCHEN</b>	
Instance on Basement	Inspected

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<b>Question</b>	<b>Response</b>
<b>KITCHEN</b>	
<b>CO Detector</b>	
Instance on Basement	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
<b>Gas System</b>	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Grease Trap</b>	
Instance on Basement	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Hood</b>	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Hood Exhaust Ductwork</b>	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Hood Exhaust Fan</b>	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Hood Fire Suppression System</b>	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Hot Water Temperature Booster</b>	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Kitchen Sink</b>	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>MDF Room</b>	
Instance on Room 203	Inspected
<b>Dedicated A/C Equipment</b>	
Instance on Room 203	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>SCIENCE DEMO ROOM</b>	
	Does not exist
<b>SCIENCE LAB</b>	
Instance on Room 315	Inspected



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<b>Question</b>	<b>Response</b>
<b>SCIENCE LAB</b>	
Alternative Use	No
<b>Acid Waste Neutralizing Tank</b>	
Instance on Room 315	Does not exist
<b>CO Detector</b>	
Instance on Room 315	Not required
<b>Emergency Shower</b>	
Instance on Room 315	Does not exist
<b>Eye Wash</b>	
Instance on Room 315	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Fixed Laboratory Hood</b>	
Instance on Room 315	Does not exist
<b>Hood Exhaust Ductwork</b>	
Instance on Room 315	Does not exist
<b>Hood Exhaust Fan</b>	
Instance on Room 315	Does not exist
<b>Laboratory Sink</b>	
Instance on Room 315	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
<b>Make-up Air Unit</b>	
Instance on Room 315	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>Fire Booster Pump Assembly</b>	
Condition	Inspected
Deficiency	3- Fair
Deficiency Location/Instance	DEFECTIVE FIRE BOOSTER PUMP
Deficiency Quantity	Fire Pump Room B11D
Quantity Uom	1
Potential Action	EACH
Urgency of Action	REPAIR
Purpose of Action	PRIORITY 5
Violations	LEVEL 6
	No violations recorded
<b>Roof Tank</b>	
	Does not exist
<b>Siamese Connection</b>	
Condition	Inspected
Deficiency	1- Good
	No deficiencies recorded
<b>Sprinkler Head</b>	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
<b>Sprinkler Piping</b>	
Condition	Inspected
Deficiency	1- Good
	No deficiencies recorded
<b>Standpipe System</b>	
	Inspected
<b>Hose Valve Assembly</b>	
Condition	Inspected
Deficiency	1- Good
	No deficiencies recorded
<b>Piping</b>	
Condition	Inspected
Deficiency	1- Good
	No deficiencies recorded

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Question	Response
<b>SPRINKLERS, STANDPIPE, FIRE SYSTEM</b>	
Water Gong	Does not exist
Wet Sprinkler Alarm Valve Assembly	Does not exist
<b>SWIMMING POOL</b>	
	Does not exist
<b>VENTILATION</b>	
	Inspected
<b>Exhaust Fan</b>	
Condition	1- Good
Approximate Total # of Fans	1-25
Deficiency	No deficiencies recorded
<b>Heating And Ventilating Unit</b>	
	Does not exist
<b>Metal Ductwork</b>	
	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Supply Fan</b>	
	Does not exist
<b>Unit Ventilator</b>	
	Does not exist