

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

Mechanical Inspection

X717

Asset: ICAHN CHARTER SCHOOL - BRONX, 1506-30 BROOK AVENUE, BRONX, NY, 10457

Inspection Id	Inspection Type	Time In	Last Edited
762	MECHANICAL	2023-11-06 08:03AM	2023-11-30 04:02PM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Electric Domestic Water Heaters Years: 2023 Systems: Packaged Air Cooled Chiller Years: 2019 Systems: MDF Room - Dedicated A/C Equipment (DX Split System) Years: 2014
Are there fuel tanks?	No
Total # of water main service entries to the asset	2
MERs/Fan Rooms Locations	None
Are there any spaces with Missing or Defective CO Detectors?	Yes
Location(s)	Boiler Room
Are there any Painted/Obstructed Sprinkler Heads?	No
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	Inspected
Chilled Water System	Inspected
Absorption Chiller	Does not exist
Air Cooled Chiller	Does not exist
Air Cooled Condenser	Does not exist
Chilled Water Distribution: Piping, Pumps and Auxiliaries	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Backflow Preventer	Does not exist
Central Station Air Handler	Does not exist
Fan Coil Unit	Does not exist
Packaged Air Cooled Chiller	Inspected
Instance	Roof
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Trane
EquipmentId	N/A
Capacity/Size Quantity	52
Capacity/Size UOM	Tons
Source of Capacity/Size	Inspector Estimate
Installation Year	2019
Source of Installation Year	Custodial Staff
Refrigerant Type	R-410A
Deficiency	No deficiencies recorded
Water Cooled Chiller	Does not exist
Condenser Water Distribution: Piping, Pumps and Auxiliaries	Does not exist
Cooling Coil in Ductwork	Inspected
Condition	2- Between Good and Fair

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Question	Response
AIR CONDITIONING	
Cooling Coil in Ductwork	
Deficiency	No deficiencies recorded
Cooling Tower	Does not exist
DX Split System	Does not exist
Dry Cooler	Does not exist
Packaged / Rooftop Unit	Does not exist
Packaged Terminal A/C	Does not exist
Refrigerant Leak Detection System	Does not exist
Refrigerant Piping	Does not exist
Return Fan	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not exist
CLIMATE CONTROL SYSTEM	Inspected
BMS	Inspected
Instance	Throughout
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Installation Year	2008
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Pneumatic System	Does not exist
Hybrid System	Does not exist
Electric System	Does not exist
COMPACTOR	Does not exist
CONVEYING	Inspected
Dumbwaiter	Does not exist
Elevator	Inspected
Condition	2- Between Good and Fair
Are all the existing elevators operable?	Yes
Deficiency	No deficiencies recorded
Escalator	Does not exist
Non-auditorium Handicap Lift - Vertical	Does not exist
Non-auditorium Handicap Lift - Stair	Does not exist
Ash Hoist	Does not exist
Sidewalk Elevator	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
Instance	Water Service Room G04
Instance Condition	2- Between Good and Fair
Instance Quantity	2
Instance Quantity Uom	EACH
Deficiency	No deficiencies recorded
Domestic Hot Water System	Inspected
Domestic Hot Water Remote Storage Tank	Does not exist
Domestic Water Heat Exchanger	Does not exist
Electric Domestic Water Heater	Inspected
Condition	1- Good

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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Hot Water System	
Electric Domestic Water Heater	
Deficiency	No deficiencies recorded
Gas Fired Domestic Water Heater	
	Does not exist
Oil Fired Domestic Water Heater	
	Does not exist
Heat Pump Domestic Water Heater	
	Does not exist
Domestic Water Distribution Piping	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
DRAIN/WASTE/VENT AND STORM SYSTEM	
Interior Storm Piping	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
Sewage/Waste/Vent Piping	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
Sewage Ejector Pump	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Sump Pump	
	Does not exist
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	
Dual Temperature Distribution: Piping, Pumps and Auxiliaries	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
Dual Temperature Terminal Fan Coil Unit	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
FIXTURES	
Staff And Other	
Janitor Sink	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Lavatory/Sink	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Toilet	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Urinal	
	Does not exist
Student	
Drinking Fountain	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Lavatory/Sink	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Locker Room Shower	
	Does not exist
Sink And Fountain Combo Unit	
	Does not exist
Toilet	
Condition	Inspected
Deficiency	3- Fair
	No deficiencies recorded
Urinal	
	Inspected

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Question	Response
FIXTURES	
Student	
Urinal	
Condition	3- Fair
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	
	Does not exist
GAS SERVICE	
	Inspected
Gas Distribution Piping	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
Gas Meter Room Exhaust Fan	
	Does not exist
Gas Meter Room Vent	
	Does not exist
Gas Pressure Booster	
	Does not exist
CO/Gas Leak Detection	
	Does not exist
HEATING	
	Inspected
Heating Coil In Ductwork	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
Hydronic Heating	
	Inspected
Hydronic Hot Water Distribution: Piping, Pumps and Auxiliaries	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
Backflow Preventer	
	Does not exist
Hot Water Heat Exchanger	
	Does not exist
Radiator/Convactor/Fin Tube	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
Steam Heating	
	Does not exist
Steam supplied by External Sources	
	Does not exist
Unit Heater/Cabinet Heater	
Condition	Inspected
Deficiency	2- Between Good and Fair
	No deficiencies recorded
HEATING PLANT	
	Inspected
Instance on Penthouse	Inspected
Is there a water meter on the boiler make-up water piping?	No
Burner Manufacturer	N/A
Burner Model	N/A
Burner Type	Gas
Heating Plant Oil Number	N/A
Boiler Auxiliaries	
Instance on Penthouse	Inspected
Boiler Auxiliary Piping	
Instance on Penthouse	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	
Instance on Penthouse	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	
Instance on Penthouse	Does not exist
Boiler Feedwater Treatment(Automatic)	
Instance on Penthouse	Does not exist
Boiler Flue Exhaust	

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Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Flue Exhaust	
Instance on Penthouse	Does not exist
Boiler Make-up Water Backflow Preventer	
Instance on Penthouse	Does not exist
Boiler Room Steam And Condensate Piping	
Instance on Penthouse	Does not exist
Boiler Safety Valve	
Instance on Penthouse	Does not exist
Boiler System	
Instance on Penthouse	Inspected
Coal-fired Boiler	
Instance on Penthouse	Does not exist
Hot Water Boiler	
Instance on Penthouse	Does not exist
Modular Boiler	
Instance on Penthouse	Inspected
Instance on Penthouse	Inspected
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	739
Instance Quantity Uom	MBH NET
Manufacturer	HydroTherm
EquipmentId	114944-01
Capacity/Size Quantity	850
Capacity/Size UOM	MBH Gross
Source of Capacity/Size	Documented
Installation Year	2008
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	739
Instance Quantity Uom	MBH NET
Manufacturer	HydroTherm
EquipmentId	114944-02
Capacity/Size Quantity	850
Capacity/Size UOM	MBH Gross
Source of Capacity/Size	Documented
Installation Year	2008
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Steam Boiler	
Instance on Penthouse	Does not exist
Fuel System	
Instance on Penthouse	Inspected
Boiler Fresh Air Louver/Damper	
Instance on Penthouse	Inspected
Instance Condition	2- Between Good and Fair
Type	Fixed Louver
Deficiency	No deficiencies recorded
Burner/Burner Control Panel	
Instance on Penthouse	Does not exist
Fuel Oil Storage/Supply System	

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HEATING PLANT	
Fuel System	
Fuel Oil Storage/Supply System	
Instance on Penthouse	Does not exist
Gas Trains And Vent At The Boiler	
Instance on Penthouse	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Enclosed IDF Room	Does not exist
KITCHEN	Does not exist
MDF Room	Inspected
Instance on Room 309	Inspected
Dedicated A/C Equipment	
Instance on Room 309	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	Inspected
Dry Sprinkler Alarm Valve Assembly	Does not exist
Wet Sprinkler Alarm Valve Assembly	Inspected
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Water Service Room G04
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Fire Booster Pump Assembly	Does not exist
Roof Tank	Does not exist
Siamese Connection	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Sprinkler Head	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sprinkler Piping	Inspected
Condition	2- Between Good and 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	Inspected
Condition	3- Fair
Approximate Total # of Fans	1-25
Deficiency	No deficiencies recorded
Heating And Ventilating Unit	Does not exist
Metal Ductwork	Inspected
Condition	3- Fair

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Question	Response
VENTILATION	
Metal Ductwork	
Are there any uninsulated ductwork by design in Mechanical rooms?	No
Are there chain operated dampers?	No
Deficiency	No deficiencies recorded
Supply Fan	
Condition	Inspected
Approximate Total # of Fans	3- Fair
Deficiency	1-5
Deficiency	No deficiencies recorded
Unit Ventilator	Does not exist