

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

Mechanical Inspection

X717

**Asset: ICAHN CHARTER SCHOOL - BRONX, 1506-30 BROOK AVENUE, New York, 10457**

Inspection Id	Inspection Type	Time In	Last Edited
ME : X717	Mechanical	2017-10-23 12:18 PM	2018-01-11 9:45 PM

Asset Data

Question	Answer
Are there fuel tanks?	No
Total # of water main service entries to the asset	2
MERs/Fan Rooms Locations	Penthouse MER
Are there any spaces with Missing or Defective CO Detectors?	No
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 #1 - Refurbished
	Years: 2017
	Systems: Chilled Water System - Air Cooled Chiller, Air Cooled Condenser
	Years: 2015
	Systems: MDF Room - Dedicated A/C Equipment (DX Split System)
	Years: 2014

Priority Condition

Priority Condition Exist Last Year?	Priority Category	Condition Description	Component Affected	Location Description	Person(s) Notified	Person(s) Title	Status	PhotoImage
No condition recorded								

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>	Inspected
Instance	Penthouse MER
Instance Condition	1 - Good
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	N/A
Equipment	N/A
Capacity/Size Quantity	46
Capacity/Size UOM	Tons
Source of Capacity/Size	Inspector Estimate
Installation Year	2015
Source of Installation	Custodial Staff
Deficiency	No deficiencies recorded
<b>Air Cooled Condenser</b>	Inspected
Instance	Roof
Instance Condition	1 - Good
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	York
Equipment	N/A

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

Mechanical Inspection

X717

Question	Response
<b>AIR CONDITIONING</b>	
<b>Chilled Water System</b>	
<b>Air Cooled Condenser</b>	
Capacity/Size Quantity	46
Capacity/Size UOM	Tons
Source of Capacity/Size	Inspector Estimate
Installation Year	2015
Source of Installation	Custodial Staff
Deficiency	No deficiencies recorded
<b>Chilled Water Distribution: Piping, Pumps and Auxiliaries</b>	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
<b>Backflow Preventer</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Central Station Air Handler</b>	Inspected
Instance	Gymnasium
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Annexair
Equipment	N/A
Capacity/Size Quantity	3,000
Capacity/Size UOM	CFM
Source of Capacity/Size	Inspector Estimate
Installation Year	2007
Source of Installation	Documented
Deficiency	No deficiencies recorded
Instance	Multipurpose Room
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Annexair
Equipment	N/A
Capacity/Size Quantity	2,000
Capacity/Size UOM	CFM
Source of Capacity/Size	Inspector Estimate
Installation Year	2007
Source of Installation	Documented
Deficiency	No deficiencies recorded
Instance	Roof
Instance Condition	2 - Between Good and Fair
Instance Quantity	2
Instance Quantity Uom	EACH
Instance Manufacturer	Annexair
Equipment	ERU-2, ERU-3
Capacity/Size Quantity	1,000
Capacity/Size UOM	CFM
Source of Capacity/Size	Documented

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

Mechanical Inspection

X717

Question	Response
<b>AIR CONDITIONING</b>	
<b>Chilled Water System</b>	
<b>Central Station Air Handler</b>	
Installation Year	2007
Source of Installation	Documented
Deficiency	No deficiencies recorded
Instance	Roof
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Annexair
Equipment	ERU-1
Capacity/Size Quantity	5,000
Capacity/Size UOM	CFM
Source of Capacity/Size	Documented
Installation Year	2007
Source of Installation	Documented
Deficiency	No deficiencies recorded
<b>Fan Coil Unit</b>	Does not Exist
<b>Packaged Air Cooled Chiller</b>	Does not Exist
<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>DX Split System</b>	Does not Exist
<b>Dry Cooler</b>	Does not Exist
<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>	Does not Exist
<b>CENTRAL ACID WASTE NEUTRALIZING TANK</b>	Does not Exist
<b>CLIMATE CONTROL SYSTEM</b>	Inspected
<b>BMS</b>	Inspected
Instance	Throughout
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Installation Year	2007
Source of Installation	Documented
Deficiency	No deficiencies recorded
<b>Pneumatic System</b>	Does not Exist
<b>Hybrid System</b>	Does not Exist
<b>Electric System</b>	Does not Exist
<b>COMPACTOR</b>	Does not Exist
<b>CONVEYING</b>	Inspected

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

Mechanical Inspection

X717

Question	Response
<b>CONVEYING</b>	
<b>Dumbwaiter</b>	Does not Exist
<b>Elevator</b>	Inspected
Are all the existing elevators operable?	Yes
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Escalator</b>	Does not Exist
<b>Non-auditorium Handicap Lift - Vertical</b>	Does not Exist
<b>Non-auditorium Handicap Lift - Stair</b>	Does not Exist
<b>Ash Hoist</b>	Does not Exist
<b>Sidewalk Elevator</b>	Does not Exist
<b>DOMESTIC WATER SYSTEM</b>	Inspected
<b>Domestic Cold Water System</b>	Inspected
<b>Gravity System</b>	Does not Exist
<b>Pressure Booster System</b>	Does not Exist
<b>Water Service</b>	Inspected
Instance	Mechanical Equipment Room G04 (Domestic Water RPZ in Water Service Room 105)
Instance Condition	1 - Good
Instance Quantity	2
Instance Quantity Uom	EACH
Deficiency	No deficiencies 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>	Does not Exist
<b>Electric Domestic Water Heater</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<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	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
<b>Sewage/Waste/Vent Piping</b>	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
<b>Sewage Ejector Pump</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Sump Pump</b>	Does not Exist
<b>DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)</b>	Inspected
<b>Dual Temperature Distribution: Piping, Pumps and</b>	Inspected
Condition	1 - Good
Deficiency	PIPING: DAMAGED/MISSING INSULATION

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

Mechanical Inspection

X717

<b>Question</b>	<b>Response</b>
<b>DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)</b>	
<b>Dual Temperature Terminal Fan Coil Unit</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>FIXTURES</b>	Inspected
<b>Staff And Other</b>	Inspected
<b>Janitor Sink</b>	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
<b>Lavatory/Sink</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Toilet</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Urinal</b>	Does not Exist
<b>Student</b>	Inspected
<b>Drinking Fountain</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Lavatory/Sink</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Locker Room Shower</b>	Does not Exist
<b>Sink And Fountain Combo Unit</b>	Does not Exist
<b>Toilet</b>	Inspected
Condition	2 - Between Good and 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	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>	Does not Exist
<b>CO/Gas Leak Detection</b>	Does not Exist
<b>HEATING</b>	Inspected
<b>Heating Coil In Ductwork</b>	Does not Exist
<b>Hydronic Heating</b>	Inspected
<b>Hydronic Hot Water Distribution: Piping, Pumps and Auxiliaries</b>	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
<b>Backflow Preventer</b>	Does not Exist
<b>Hot Water Heat Exchanger</b>	Does not Exist

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

Mechanical Inspection

X717

Question	Response
<b>HEATING</b>	
<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	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>HEATING PLANT</b>	
Replacement Quantity	1,478
Replacement Uom	MBH Net
Instance on Penthouse MER	Inspected
Burner Type	Gas
Heating Plant Oil Number	N/A
<b>Boiler Auxiliaries</b>	Inspected
Instance on Penthouse MER	Inspected
<b>Boiler Auxiliary Piping</b>	
Instance on Penthouse MER	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Boiler Emergency Stop Switch</b>	
Instance on Penthouse MER	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Boiler Feedwater System</b>	
Instance on Penthouse MER	Does not Exist
<b>Boiler Feedwater Treatment(Automatic)</b>	
Instance on Penthouse MER	Does not Exist
<b>Boiler Flue Exhaust</b>	
Instance on Penthouse MER	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Boiler Make-up Water Backflow Preventer</b>	
Instance on Penthouse MER	Does not Exist
<b>Boiler Room Steam And Condensate Piping</b>	
Instance on Penthouse MER	Does not Exist
<b>Boiler Safety Valve</b>	
Instance on Penthouse MER	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Boiler System</b>	Inspected
Instance on Penthouse MER	Inspected
<b>Coal-fired Boiler</b>	
Instance on Penthouse MER	Does not Exist
<b>Hot Water Boiler</b>	
Instance on Penthouse MER	Inspected
Instance	Boiler Room
Instance Condition	2 - Between Good and Fair
Instance Quantity	739

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

Mechanical Inspection

X717

Question	Response
<b>HEATING PLANT</b>	
<b>Boiler System</b>	
<b>Hot Water Boiler</b>	
Instance Quantity Uom	MBH Net
Instance Manufacturer	HydroTherm
Equipment	114944-01
Capacity/Size Quantity	850
Capacity/Size UOM	MBH Gross
Source of Capacity/Size	Documented
Installation Year	2007
Source of Installation	Documented
Deficiency	No deficiencies recorded
Instance	Boiler Room
Instance Condition	2 - Between Good and Fair
Instance Quantity	739
Instance Quantity Uom	MBH Net
Instance Manufacturer	HydroTherm
Equipment	114944-02
Capacity/Size Quantity	850
Capacity/Size UOM	MBH Gross
Source of Capacity/Size	Documented
Installation Year	2007
Source of Installation	Documented
Deficiency	No deficiencies recorded
<b>Modular Boiler</b>	
Instance on Penthouse MER	Does not Exist
<b>Steam Boiler</b>	
Instance on Penthouse MER	Does not Exist
<b>Fuel System</b>	
Instance on Penthouse MER	Inspected
<b>Boiler Fresh Air Louver/Damper</b>	
Instance on Penthouse MER	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Burner/Burner Control Panel</b>	
Instance on Penthouse MER	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Fuel Oil Storage/Supply System</b>	
Instance on Penthouse MER	Does not Exist
<b>Gas Trains And Vent At The Boiler</b>	
Instance on Penthouse MER	Does not Exist
<b>Enclosed IDF Room</b>	
	Does not Exist
<b>KITCHEN</b>	
	Does not Exist
<b>MDF Room</b>	
	Inspected
Instance on Room 309	Inspected
<b>Dedicated A/C Equipment</b>	
	Inspected
Instance on Room 309	Inspected
Condition	1 - Good

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

Mechanical Inspection

X717

<b>Question</b>	<b>Response</b>
<b>MDF Room</b>	Inspected
<b>Dedicated A/C Equipment</b>	
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>	Inspected
Condition	2 - Between Good and Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Mechanical Equipment Room G04
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
<b>Fire Booster Pump Assembly</b>	Does not Exist
<b>Roof Tank</b>	Does not Exist
<b>Siamese Connection</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Sprinkler Head</b>	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
<b>Sprinkler Piping</b>	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
<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	2 - Between Good and Fair
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