

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

M970

School: THURGOOD MARSHALL ACAD. - M, 200-214 WEST 135TH STREET, MANHATTAN, NY, 10030

InspectionId	Inspection Type	Time In	Last Edited
1670064	MECHANICAL	2010-12-17 08:48AM	2011-04-29 11:06AM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	No System Upgraded
Are there fuel tanks?	No

Priority Condition

Condition Description	Component Affected	Location Description	Person(s) Notified
Defective fire and smoke dampers	Fire & smoke dampers	Various location in duct work	Luis Peruyero Jr (Fireman)

Inspection

Question	Response
MECHANICAL	
AIR CONDITIONING	Inspected
CHILLED WATER SYSTEM	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	Inspected
Indoor Unit	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Outdoor Unit	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
PACKAGED / ROOFTOP UNIT	Inspected
Instance	Roof
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Trane
EquipmentId	RTU-4
Capacity/Size	12 Tons
Installation Year	2003
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	Roof
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Trane
EquipmentId	RTU-5
Capacity/Size	12 Tons
Installation Year	2003
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
PACKAGED TERMINAL A/C	Does not exist
REFRIGERANT PIPING	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
RETURN FAN	Does not exist
CENTRAL ACID WASTE NEUTRALIZING TANK	Inspected
Condition	2- Between Good and Fair

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Question	Response
CENTRAL ACID WASTE NEUTRALIZING TANK	
Deficiency	No deficiencies recorded
CLIMATE CONTROL SYSTEM	Inspected
DDC SYSTEM	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%
Deficiency	No deficiencies recorded
ELECTRIC SYSTEM	Does not exist
HYBRID SYSTEM	Does not exist
PNEUMATIC SYSTEM	Does not exist
COMPACTOR	Does not exist
CONVEYING	Inspected
ASH HOIST	Does not exist
DUMBWAITERS	Does not exist
ELEVATORS	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
ESCALATORS	Does not exist
Non-auditorium Handicap Lift - Stair	Does not exist
Non-auditorium Handicap Lift - Vertical	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	Inspected
Electric Pressure Booster System	Inspected
Instance	Room 016
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Syncroflo
EquipmentId	N/A
Capacity/Size	Three pumps of 7.5 HP each
Installation Year	2003
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Hydraulic/Pneumatic Booster System	Does not exist
Water Service	Inspected
Service Piping (Water Main)	Inspected
Condition	1- Good
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	2- Between Good and Fair
Deficiency	No deficiencies recorded
Domestic Hot Water Remote Storage Tank	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Domestic Water Heat Exchanger	Does not exist

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Question	Response
DOMESTIC WATER SYSTEM	
DOMESTIC HOT WATER SYSTEM	
Electric Domestic Water Heater	Does not exist
Gas Fired Domestic Water Heater	Inspected
Instance	Boiler Room
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	A.O. Smith
EquipmentId	N/A
Capacity/Size	N/A
Installation Year	2003
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Oil Fired Domestic Water Heater	Does not exist
DOMESTIC WATER DISTRIBUTION PIPING	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
DRAIN/WASTE/VENT AND STORM SYSTEM	Inspected
HOUSE TRAP	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
INTERIOR FLOOR DRAIN	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
INTERIOR STORM PIPING	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
SEWAGE / WASTE PIPING	Inspected
Condition	1- Good
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Room 012
Deficiency Quantity	10
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
SEWAGE EJECTOR PUMP	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
SUMP PUMP	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
VENT PIPING	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	Does not exist
FIXTURES	Inspected
STAFF AND OTHER	Inspected
Janitor Sink	Does not exist
Lavatory/Sink	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Toilet	Inspected

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Question	Response
FIXTURES	
STAFF AND OTHER	
Toilet	
Condition	1- Good
Deficiency	No deficiencies recorded
Urinal	Does not exist
STUDENT	Inspected
Drinking Fountain	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Locker Room Shower	Inspected
Instance on Boys Room 601 and Girls Room 604	Inspected
Instance Condition	1- Good
Instance Quantity	2
Instance Quantity Uom	EACH
Alternative Use	No
Deficiency	No deficiencies recorded
Sink And Fountain Combo Unit	Does not exist
Toilet	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Urinal	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	Does not exist
GAS SERVICE	Inspected
CO/GAS LEAK DETECTION	Does not exist
GAS DISTRIBUTION PIPING	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
GAS METER ROOM EXHAUST FAN	Does not exist
GAS METER ROOM VENT	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
GAS PRESSURE BOOSTER	Inspected
Instance	Room # 014
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Eclipse
EquipmentId	N/A
Capacity/Size	9000 SCFH
Installation Year	2003
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
HEATING	Inspected
BASEBOARD/FIN TUBE	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
HEATING COILS IN DUCTWORK	Does not exist
HYDRONIC HEATING	Inspected

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Question	Response
HEATING	
HYDRONIC HEATING	
Air Separator	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Expansion Tank	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Hot Water Heat Exchanger	Does not exist
Hydronic Hot Water Circulating Pump	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Hydronic Hot Water Piping	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
RADIATOR / CONVECTOR	Does not exist
STEAM HEATING	Does not exist
STEAM SUPPLIED BY EXTERNAL SOURCES	Does not exist
UNIT HEATER/CABINET HEATER	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
HEATING PLANT	Inspected
Replacement Quantity	2,492
Replacement Uom	MBH
Instance	Penthouse
Burner Type	Gas
Heating Plant Oil Number	N/A
BOILER AUXILIARIES	
Instance on Penthouse	Inspected
Boiler Auxiliary Piping	
Instance on Penthouse	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	
Instance on Penthouse	Inspected
Instance Condition	1- Good
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	
Instance on Penthouse	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	
Instance on Penthouse	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Room Steam And Condensate Piping	
Instance on Penthouse	Does not exist
Boiler Safety Valve	
Instance on Penthouse	Inspected
Instance Condition	1- Good

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HEATING PLANT	
BOILER AUXILIARIES	
Boiler Safety Valve	
Deficiency	No deficiencies recorded
BOILER SYSTEM	
Instance on Penthouse	Inspected
Coal-fired Boiler	
Instance on Penthouse	Does not exist
Hot Water Boiler	
Instance on Penthouse	Inspected
Instance	Penthouse / Boiler Room
Instance Condition	1- Good
Instance Quantity	1,246
Instance Quantity Uom	MBH
Manufacturer	Smith Cast Iron Boiler
EquipmentId	N/A
Capacity/Size	1246 MBH (Net)
Installation Year	2003
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	Penthouse / Boiler Room
Instance Condition	1- Good
Instance Quantity	1,246
Instance Quantity Uom	MBH
Manufacturer	Smith Cast Iron Boiler
EquipmentId	N/A
Capacity/Size	1246 MBH (Net)
Installation Year	2003
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Modular Boiler	
Instance on Penthouse	Does not exist
Steam Boiler	
Instance on Penthouse	Does not exist
FUEL SYSTEMS	
Instance on Penthouse	Inspected
Boiler Fresh Air Louver/Damper	
Instance on Penthouse	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Burner/Burner Control Panel	
Instance on Penthouse	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Fuel Oil Storage/Supply System	
Instance on Penthouse	Does not exist
Gas Trains And Vent At The Boiler	
Instance on Penthouse	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
IDF (ENCLOSED ROOMS)	
Instance	Room 405, 305, 205, 103 & 003.
A/C EQUIPMENT	
Instance on Room 405, 305, 205, 103 & 003.	Inspected
Instance Condition	4- Between Fair and Poor

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Question	Response
IDF (ENCLOSED ROOMS)	
A/C EQUIPMENT	
Deficiency	DOES NOT EXIST
Deficiency Location/Instance	Room 405, 305, 205, 103 & 003.
Deficiency Quantity	5
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
VENTILATION EQUIPMENT	
Instance on Room 405, 305, 205, 103 & 003.	Does not exist
KITCHEN	
Instance	Inspected
Instance	Cellar
CO DETECTOR	
Instance on Cellar	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DETECTOR MISSING
Deficiency Location/Instance	Cellar-kitchen
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
GAS SYSTEM	
Instance on Cellar	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
GREASE TRAP	
Instance on Cellar	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
HOOD	
Instance on Cellar	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
HOOD EXHAUST DUCTWORK	
Instance on Cellar	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
HOOD EXHAUST FAN	
Instance on Cellar	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
HOOD FIRE SUPPRESSION SYSTEM	
Instance on Cellar	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
HOT WATER TEMPERATURE BOOSTER	
Instance on Cellar	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
KITCHEN SINK	
Instance on Cellar	Inspected

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KITCHEN	
KITCHEN SINK	
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
MDF ROOM	
Instance	Inspected Room 503
A/C EQUIPMENT	
Instance on Room 503	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
VENTILATION EQUIPMENT	
Instance on Room 503	Does not exist
SCIENCE DEMO ROOM	
Instance on Room 415, 412 & 403	Inspected
Alternative Use	No
ACID WASTE NEUTRALIZING TANK	
Instance on Room 415, 412 & 403	Does not exist
EMERGENCY SHOWER	
Instance on Room 415, 412 & 403	Does not exist
EYE WASH	
Instance on Room 415, 412 & 403	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
FIXED LABORATORY HOOD	
Instance on Room 415, 412 & 403	Does not exist
LABORATORY SINK	
Instance on Room 415, 412 & 403	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
PORTABLE LABORATORY HOOD	
Instance on Room 415, 412 & 403	Does not exist
SCIENCE LAB	
Instance on Rooms 411 & 407	Inspected
Alternative Use	No
ACID WASTE NEUTRALIZING TANK	
Instance on Rooms 411 & 407	Does not exist
CO DETECTOR	
Instance on Rooms 411 & 407	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DETECTOR MISSING
Deficiency Location/Instance	Rooms 411 & 407
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
EMERGENCY SHOWER	
Instance on Rooms 411 & 407	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
EYE WASH	
Instance on Rooms 411 & 407	Inspected
Instance Condition	1- Good

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Question	Response
SCIENCE LAB	
EYE WASH	
Deficiency	No deficiencies recorded
FIXED LABORATORY HOOD	
Instance on Rooms 411 & 407	Does not exist
HOOD EXHAUST DUCTWORK	
Instance on Rooms 411 & 407	Does not exist
HOOD EXHAUST FAN	
Instance on Rooms 411 & 407	Does not exist
LABORATORY SINK	
Instance on Rooms 411 & 407	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
MAKE-UP AIR UNIT	
Instance on Rooms 411 & 407	Does not exist
PORTABLE LABORATORY HOOD	
Instance on Rooms 411 & 407	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
SCIENCE PREP ROOM	
Instance on Room 409	Inspected
Alternative Use	No
ACID WASTE NEUTRALIZING TANK	
Instance on Room 409	Does not exist
EMERGENCY SHOWER	
Instance on Room 409	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
EYE WASH	
Instance on Room 409	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
FIXED LABORATORY HOOD	
Instance on Room 409	Does not exist
HOOD EXHAUST DUCTWORK	
Instance on Room 409	Does not exist
HOOD EXHAUST FAN	
Instance on Room 409	Does not exist
LABORATORY SINK	
Instance on Room 409	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
MAKE-UP AIR UNIT	
Instance on Room 409	Does not exist
PORTABLE LABORATORY HOOD	
Instance on Room 409	Does not exist
SPRINKLERS, STANDPIPE, FIRE SYSTEM	
	Inspected
DELUGE VALVE	
	Does not exist
FIRE BOOSTER PUMP ASSEMBLY	
	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
ROOF TANK	
	Does not exist
SIAMESE CONNECTION	
	Inspected
Condition	1- Good

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SPRINKLERS, STANDPIPE, FIRE SYSTEM	
SIAMESE CONNECTION	
Deficiency	No deficiencies recorded
SPRINKLER ALARM VALVE ASSEMBLY	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
SPRINKLER HEAD	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
SPRINKLER PIPING	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
STANDPIPE SYSTEM	Inspected
Hose Valve Assembly	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Piping	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
WATER GONG	Does not exist
SWIMMING POOL	Does not exist
VENTILATION	Inspected
EXHAUST FAN	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
HEATING AND VENTILATING UNIT	Does not exist
METAL DUCTWORK	Inspected
Condition	2- Between Good and Fair
Deficiency	DEFECTIVE FIRE/SMOKE DAMPER
Deficiency Location/Instance	Various locations in duct work
Deficiency Quantity	10
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
SUPPLY FAN	Does not exist
UNIT VENTILATOR	Does not exist