

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

Electrical Inspection

M166

Asset: P.S. 166 - MANHATTAN, 132 WEST 89 STREET, MANHATTAN, NY, 10024

Inspection Id	Inspection Type	Time In	Last Edited
1505	ELECTRICAL	2023-12-07 09:06AM	2023-12-22 02:37PM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Fire Alarm System (Printer), Computer Lab - Room 511, LAN (I/LDF) Years: 2023 Systems: Library (Raceway With Receptacles) Years: 2022 Systems: Auditorium (Except House Lighting), IPDVS / CCTV System, Fire Alarm System Years: 2017 Systems: Lighting - Security Years: 2014 Systems: Local Sound System Years: 2008 Systems: All Other Electrical Systems and Components Years: 1997
Type of Service	Below Ground
Does Interactive Whiteboard (IWB) Exist?	Yes
Water Penetration In Electrical Room?	Yes

DEDICATED INTERCOMS IN FIRE RESCUE AREAS

Question	Response
Are there any Life Rescue Assistance Areas, Fire Rescue Areas, and/or Holding Rooms in your building?	Yes
Are dedicated intercoms available in all of these spaces for use during a fire?	Yes
Are all dedicated intercoms operational?	No
Which rooms or areas have non-operational dedicated intercoms?	Rooms 510, 410, 310, 210

Priority Condition

Exist Last Year?	Priority Category	Condition Description	Component Affected	Location Description	Person(s) Notified	Person(s) Title	Photo Image
No	Fire Alarm System - Not Connected to Central Station	N/A	Fire Alarm System - Main Panel	Main Entrance Lobby	Douglas Orejuela	Fireman	No Photo Taken
No	Emergency Generator Components - Not Operational	ATS#1	Emergency Generator - ATS	Room C04B	Douglas Orejuela	Fireman	No Photo Taken
No	Fire Alarm System - Defective	Panel in Trouble	Fire Alarm System - Main Panel	Main Entrance Lobby	Douglas Orejuela	Fireman	No Photo Taken
Yes	Water Penetration in Electrical Room	N/A	Electrical Equipment	Electrical Room	Douglas Orejuela	Fireman	No Photo Taken

Inspection

Question	Response
Electrical	
ATHLETIC FIELD	Does not exist
AUDITORIUM	Inspected
Instance on 2nd Floor	Inspected
House Lighting	
Instance on 2nd Floor	Under construction
Local Sound System	
Instance on 2nd Floor	Inspected
Instance Condition	2- Between Good and Fair
Installation Year	2017
Source of Installation Year	Documented

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Question	Response
AUDITORIUM	
Local Sound System	
Deficiency	No deficiencies recorded
Projection System	
Instance on 2nd Floor	Inspected
Instance Condition	2- Between Good and Fair
Is the projector on a cart or installed on the ceiling?	Ceiling
Deficiency	No deficiencies recorded
Theater Lighting System	
Instance on 2nd Floor	Inspected
Dimming System	
Instance on 2nd Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Theater Lighting	
Instance on 2nd Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
CAFETERIA	
Instance on 1st Floor	Inspected
Lighting	
Instance on 1st Floor	Under construction
Local Sound System	
Instance on 1st Floor	Inspected
Instance Condition	4- Between Fair and Poor
Installation Year	2008
Source of Installation Year	Documented
Deficiency	AMPLIFIER NOT OPERATIONAL
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 2
Purpose of Action	LEVEL 2
Violations	No violations recorded
Projection System	
Instance on 1st Floor	Does not exist
Theater Lighting System	
Instance on 1st Floor	Does not exist
CLASSROOM/CORRIDOR/ADMINISTRATIVE SPACE	
Instance on 1st Floor	Inspected
Lighting	
Instance on 1st Floor	Under construction
COMPUTER LAB	
Instance on Room 511	Inspected
Power Panel?	No
Lighting	
Instance on Room 511	Inspected
Lighting Fixture - Fluorescent	
Instance on Room 511	Does not exist
Lighting Fixture - HID	
Instance on Room 511	Does not exist
Lighting Fixture - Incandescent	
Instance on Room 511	Does not exist
Lighting Fixture - LED	
Instance on Room 511	Inspected
Pendant Mounted	

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Question	Response
COMPUTER LAB	
Lighting	
Lighting Fixture - LED	
Pendant Mounted	
Instance on Room 511	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Surface Mounted	
Instance on Room 511	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Recessed Mounted	
Instance on Room 511	Does not exist
Raceway With Receptacles	
Instance on Room 511	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
GYMNASIUM	Inspected
Instance on 5th Floor	Inspected
Lighting	
Instance on 5th Floor	Under construction
Local Sound System	
Instance on 5th Floor	Inspected
Instance Condition	4- Between Fair and Poor
Installation Year	2008
Source of Installation Year	Documented
Deficiency	AMPLIFIER NOT OPERATIONAL
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 2
Purpose of Action	LEVEL 2
Violations	No violations recorded
Projection System	
Instance on 5th Floor	Does not exist
Scoreboard	
Instance on 5th Floor	Does not exist
Theater Lighting System	
Instance on 5th Floor	Does not exist
KITCHEN	Inspected
Instance on 1st Floor	Inspected
Lighting	
Instance on 1st Floor	Under construction
LIBRARY	Inspected
Instance on Room 402/403	Inspected
Lighting	
Instance on Room 402/403	Under construction
Raceway With Receptacles	
Instance on Room 402/403	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Projection System	
Instance on Room 402/403	Does not exist
LOCKER ROOM	Does not exist

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Question	Response
MULTIPURPOSE ROOM	Does not exist
SCIENCE DEMO ROOM	Inspected
Instance on Room 304	Inspected
Power Panel?	No
Alternative Use	Yes
Lighting	
Instance on Room 304	Under construction
Emergency Gas Shut-Off Valve	
Instance on Room 304	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Emergency Shut-Off Power	
Instance on Room 304	Does not exist
Power Supply	
Instance on Room 304	Inspected
Instructor Unit	
Instance on Room 304	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Meter Demonstration Unit	
Instance on Room 304	Does not exist
Projection System	
Instance on Room 304	Does not exist
SCIENCE LAB	Does not exist
SCIENCE PREP ROOM	Does not exist
SWIMMING POOL	Does not exist
TOILET ROOM - STAFF	Inspected
Lighting	Under construction
TOILET ROOM - STUDENT	Inspected
Lighting	Under construction
AUXILIARY SIGNAL/BELL SYSTEM	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
EMERGENCY DC STANDBY BATTERY POWER	Does not exist
EMERGENCY GENERATOR SET	Inspected
Automatic Transfer Switch (ATS)	Inspected
Instance	Room C04B
Instance Condition	4- Between Fair and Poor
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Cummins Onan
EquipmentId	ATS#1
Capacity/Size Quantity	600
Capacity/Size UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	1997
Source of Installation Year	Documented
Deficiency	ATS NOT OPERATIONAL
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded

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Question	Response
EMERGENCY GENERATOR SET	
Automatic Transfer Switch (ATS)	
Instance	Room C04B
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Cummins Onan
EquipmentId	ATS#2
Capacity/Size Quantity	40
Capacity/Size UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	1997
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Battery Charger	Inspected
Instance	Room C04B
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	La Marche
EquipmentId	ESCR Battery Charger
Capacity/Size Quantity	10
Capacity/Size UOM	AmpsDC
Capacity/Size 2 Quantity	24
Capacity/Size 2 UOM	VDC
Source of Capacity/Size	Nameplate
Installation Year	1997
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Emergency Distribution Board	Inspected
Number of Spares	4
Fused Disconnect Switch Type	Inspected
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Electrotech
EquipmentId	EPP-C
Capacity/Size Quantity	600
Capacity/Size UOM	Amps Total
Capacity/Size 2 Quantity	1
Capacity/Size 2 UOM	Section(s)
Source of Capacity/Size	Inspector Estimate
Installation Year	1997
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Molded Case Circuit Breaker Type	Does not exist
Diesel	Inspected
Instance	Room C04B
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Cummins Onan
EquipmentId	Emergency Generator
Capacity/Size Quantity	188
Capacity/Size UOM	kVA

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Question	Response
EMERGENCY GENERATOR SET	
Diesel	
Capacity/Size 2 Quantity	150
Capacity/Size 2 UOM	kW
Capacity/Size 3 Quantity	520
Capacity/Size 3 UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	1997
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Natural Gas	Does not exist
EMERGENCY LIGHT/EXIT LIGHT PANEL	Does not exist
EMERGENCY LIGHTING	Inspected
Battery Pack	Inspected
Condition	3- Fair
Deficiency	BATTERY NOT OPERATIONAL
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE BATTERY
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 2
Violations	No violations recorded
Non Battery Pack	Under construction
EXIT LIGHT	Under construction
EXIT/EMERGENCY LIGHT	Does not exist
FIRE ALARM SYSTEM	Inspected
Bell/Horn	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Strobe	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Manual Pull Station	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Fan Shutdown Control	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Duct Smoke Detector	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Area Smoke Detector	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
CO Detector	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Heat Detector	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Elevator Recall	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Magnetic Door Holder/Contactor	Inspected

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Question	Response
FIRE ALARM SYSTEM	
Magnetic Door Holder/Contactor	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Fused Cutout Panel	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Fire Alarm Digital Communicator	Does not exist
Main Panel	Inspected
Bell At Panel	Does not exist
Fire Alarm Control Panel (Electronic)	Inspected
Instance	Main Entrance Lobby
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Honeywell
Model	E3 Series
EquipmentId	Fire Alarm Control Panel
Installation Year	2017
Source of Installation Year	Documented
Deficiency	NOT CONNECTED TO CENTRAL STATION
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REWIRE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Deficiency	PANEL DEFECTIVE
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Fire Alarm Control Panel (Standard)	Does not exist
Sub-Panel	Does not exist
Remote Annunciator	Inspected
Display Monitor	Does not exist
Panel	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Printer	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Punch Register	Does not exist
Sprinkler Flow/Air Pressure Switch	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Tamper Flow Switch/Chain	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
GROUNDING SYSTEM	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
INTERCOM SYSTEM	Inspected

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Question	Response
INTERCOM SYSTEM	
Elevator	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Holding Area	Does not exist
LAN	Inspected
Local Distribution Frame (I/LDF)	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Main Equipment Rack (MDF)	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
LIGHTNING PROTECTION	Does not exist
MOTOR CONTROLLER	Inspected
MOTOR CONTROL CENTER	Inspected
Instance	Penthouse Mechanical Room
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Siemens
EquipmentId	MCC-R
Capacity/Size Quantity	600
Capacity/Size UOM	Amps
Capacity/Size 2 Quantity	3
Capacity/Size 2 UOM	Section(s)
Source of Capacity/Size	Nameplate
Installation Year	1997
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
MOTOR STARTER/CONTACTOR	Inspected
Condition	3- Fair
Deficiency	MOTOR STARTER NOT OPERATIONAL
Deficiency Location/Instance	Electrical Room (HV-6)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Variable Frequency Drive	Does not exist
PANEL BOARD	Inspected
Fused Disconnect Switch Type	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Fused Knife Switch Type	Does not exist
Fused Toggle Switch Type	Does not exist
Molded Case Circuit Breaker Type	Inspected
Condition	3- Fair
Deficiency	PANEL BOARD COVER IS MISSING
Deficiency Location/Instance	Corridor near Room 409
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2

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Question	Response
PANEL BOARD	
Molded Case Circuit Breaker Type	
Violations	No violations recorded
Deficiency	NO SPARE
Deficiency Location/Instance	Corridor near Room 312
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL NEW PANEL BOARD
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
PUBLIC ADDRESS SYSTEM	
	Inspected
Instance	MDF Room 202A
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Model	Dukane 250
Installation Year	1997
Source of Installation Year	Documented
Deficiency	CLOCK NOT OPERATIONAL
Deficiency Location/Instance	Classrooms and Corridors
Deficiency Quantity	10
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
SECURITY	
	Inspected
IPDVS/CCTV System	
	Inspected
Condition	2- Between Good and Fair
Installation Year	2017
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Intrusion Alarm System	
	Inspected
Central Control Panel	
	Inspected
Instance	Custodian's Office - Room 105
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Model	Vista - 128B
Installation Year	1997
Source of Installation Year	Documented
Deficiency	PANEL NOT CONNECTED TO DOE CENTRAL STATION
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REWIRE
Urgency of Action	PRIORITY 4
Purpose of Action	LEVEL 3
Violations	No violations recorded
Deficiency	BEYOND USEFUL LIFE
Deficiency Location/Instance	Custodian's Office - Room 105
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 3

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Question	Response
SECURITY	
Intrusion Alarm System	
Central Control Panel	
Violations	No violations recorded
Infrared Sensor	
Condition	3- Fair
Deficiency	No deficiencies recorded
Panic Switch	
Condition	3- Fair
Deficiency	No deficiencies recorded
Remote Annunciator	
Condition	3- Fair
Deficiency	No deficiencies recorded
Siren/Strobe	
Condition	3- Fair
Deficiency	No deficiencies recorded
Lighting - Security	
	Inaccessible
SERVICE SWITCH	
	Inspected
Instance	Electrical Room
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Electrotech
EquipmentId	N/A
Capacity/Size Quantity	2500
Capacity/Size UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	1997
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
SWITCHBOARD	
	Inspected
Number of Spares	0
Fused Disconnect Switch Type	
	Inspected
Instance	Electrical Room
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Electrotech
EquipmentId	N/A
Capacity/Size Quantity	2500
Capacity/Size UOM	Amps Total
Capacity/Size 2 Quantity	2
Capacity/Size 2 UOM	Section(s)
Source of Capacity/Size	Service Switch Size
Installation Year	1997
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Fused Knife Switch Type	
	Does not exist
Molded Case Circuit Breaker Type	
	Does not exist
TELEPHONE SYSTEM	
	Inspected
PBX/Intercom	
	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Standard	
	Inspected
Condition	3- Fair

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Question	Response
TELEPHONE SYSTEM	
Standard	
Deficiency	No deficiencies recorded
TRANSFORMER	Does not exist