

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

**Electrical Inspection**

**M144**

**Asset:** P.S. 242 (OLD P144) - MANHATTAN, 134 WEST 122 STREET, MANHATTAN, NY, 10027

Inspection Id	Inspection Type	Time In	Last Edited
3113	ELECTRICAL	2024-02-09 08:40AM	2024-03-04 10:44AM

**Asset Data**

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Transformer, Exit Lights, Fire Alarm System (Printer) Years: 2023 Systems: Fluorescent Lighting (Student Toilet Rooms) Years: 2022, 2009 Systems: Variable Frequency Drive, Fused Disconnect Switch Type Panel Board, Lightning Protection Years: 2022 Systems: Auditorium (Projection System, Retrofitted LED Lighting), Security Lighting Years: 2019 Systems: Fire Alarm System Years: 2014 Systems: Interior Lighting (Except Toilet Rooms and Stairways), Partial Emergency Lighting (Non Battery Pack) Years: 2013 Systems: Telephone System Years: 2012 Systems: Public Address System, Local Sound System Years: 2010 Systems: Fluorescent Lighting (Staff Toilet Rooms, Stairways) Years: 2009 Systems: Molded Case Circuit Breaker Panel Board Years: 2008, 2007, 2006, 2000 Systems: Service Switch, Switchboard Years: 2008 Systems: Emergency Light/Exit Light Panel, Intrusion Alarm System Years: 2000
Type of Service	Below Ground
Does Interactive Whiteboard (IWB) Exist?	Yes
Water Penetration In Electrical Room?	No

**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?	No

**Priority Condition**

Exist Last Year?	Priority Category	Condition Description	Component Affected	Location Description	Person(s) Notified	Person(s) Title	Photo Image
No	Exit Light - Not Operational	The fireman's concern is that they haven't worked as how they are supposed to after the recent upgrade. Floors 2nd, 3rd would not show the way out in the case of any emergency.	Exit Light	Throughout the Building	Peter Perkolaj	Fireman	No Photo Taken

**Inspection**

Question	Response
<b>Electrical</b>	
<b>ATHLETIC FIELD</b>	Does not exist
<b>AUDITORIUM</b>	Inspected
Instance on 1st Floor	Inspected

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Question	Response
<b>AUDITORIUM</b>	
<b>House Lighting</b>	
Instance on 1st Floor	Inspected
Does a Chandelier Exist?	No
<b>Lighting Fixture - Fluorescent</b>	
Instance on 1st Floor	Inspected
<b>Pendant Mounted</b>	
Instance on 1st Floor	Does not exist
<b>Surface Mounted</b>	
Instance on 1st Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Recessed Mounted</b>	
Instance on 1st Floor	Does not exist
<b>Lighting Fixture - HID</b>	
Instance on 1st Floor	Does not exist
<b>Lighting Fixture - Incandescent</b>	
Instance on 1st Floor	Does not exist
<b>Lighting Fixture - LED</b>	
Instance on 1st Floor	Inspected
<b>Pendant Mounted</b>	
Instance on 1st Floor	Does not exist
<b>Surface Mounted</b>	
Instance on 1st Floor	Does not exist
<b>Recessed Mounted</b>	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Local Sound System</b>	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Installation Year	2010
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Projection System</b>	
Instance on 1st Floor	Inspected
Instance Condition	1- Good
Is the projector on a cart or installed on the ceiling?	Ceiling
Deficiency	No deficiencies recorded
<b>Theater Lighting System</b>	
Instance on 1st Floor	Inspected
<b>Dimming System</b>	
Instance on 1st Floor	Does not exist
<b>Theater Lighting</b>	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	LIGHTING FIXTURE BEYOND USEFUL LIFE
Deficiency Quantity	28
Quantity Uom	EACH
Potential Action	REPLACE-UPGRADE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>CAFETERIA</b>	
	Inspected

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<b>Question</b>	<b>Response</b>
<b>CAFETERIA</b>	
Instance on 1st Floor	Inspected
<b>Lighting</b>	
Instance on 1st Floor	Inspected
<b>Lighting Fixture - Fluorescent</b>	
Instance on 1st Floor	Inspected
<b>Pendant Mounted</b>	
Instance on 1st Floor	Does not exist
<b>Surface Mounted</b>	
Instance on 1st Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Recessed Mounted</b>	
Instance on 1st Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Lighting Fixture - HID</b>	
Instance on 1st Floor	Does not exist
<b>Lighting Fixture - Incandescent</b>	
Instance on 1st Floor	Does not exist
<b>Lighting Fixture - LED</b>	
Instance on 1st Floor	Does not exist
<b>Local Sound System</b>	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Installation Year	2010
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Projection System</b>	
Instance on 1st Floor	Does not exist
<b>Theater Lighting System</b>	
Instance on 1st Floor	Does not exist
<b>CLASSROOM/CORRIDOR/ADMINISTRATIVE SPACE</b>	Inspected
<b>Lighting</b>	Inspected
Does a Chandelier Exist?	No
<b>Lighting Fixture - Fluorescent</b>	Inspected
<b>Pendant Mounted</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Surface Mounted</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Recessed Mounted</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Lighting Fixture - HID</b>	Does not exist
<b>Lighting Fixture - Incandescent</b>	Does not exist
<b>Lighting Fixture - LED</b>	Does not exist
<b>COMPUTER LAB</b>	Does not exist
<b>GYMNASIUM</b>	Inspected
Instance on 1st Floor	Inspected
<b>Lighting</b>	
Instance on 1st Floor	Inspected
<b>Lighting Fixture - Fluorescent</b>	

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Question	Response
<b>GYMNASIUM</b>	
<b>Lighting</b>	
<b>Lighting Fixture - Fluorescent</b>	
Instance on 1st Floor	Does not exist
<b>Lighting Fixture - HID</b>	
Instance on 1st Floor	Does not exist
<b>Lighting Fixture - Incandescent</b>	
Instance on 1st Floor	Does not exist
<b>Lighting Fixture - LED</b>	
Instance on 1st Floor	Inspected
<b>Pendant Mounted</b>	
Instance on 1st Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Surface Mounted</b>	
Instance on 1st Floor	Does not exist
<b>Recessed Mounted</b>	
Instance on 1st Floor	Does not exist
<b>Local Sound System</b>	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Installation Year	2010
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Projection System</b>	
Instance on 1st Floor	Does not exist
<b>Scoreboard</b>	
Instance on 1st Floor	Does not exist
<b>Theater Lighting System</b>	
Instance on 1st Floor	Does not exist
<b>KITCHEN</b>	
Instance on 1st Floor	Inspected
Instance on 1st Floor	Inspected
<b>Lighting</b>	
Instance on 1st Floor	Inspected
<b>Lighting Fixture - Fluorescent</b>	
Instance on 1st Floor	Inspected
<b>Pendant Mounted</b>	
Instance on 1st Floor	Does not exist
<b>Surface Mounted</b>	
Instance on 1st Floor	Does not exist
<b>Recessed Mounted</b>	
Instance on 1st Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Lighting Fixture - HID</b>	
Instance on 1st Floor	Does not exist
<b>Lighting Fixture - Incandescent</b>	
Instance on 1st Floor	Does not exist
<b>Lighting Fixture - LED</b>	
Instance on 1st Floor	Does not exist
<b>LIBRARY</b>	
Instance on Room 201	Inspected
Instance on Room 201	Inspected
<b>Lighting</b>	
Instance on Room 201	Inspected

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Question	Response
<b>LIBRARY</b>	
<b>Lighting</b>	
<b>Lighting Fixture - Fluorescent</b>	
Instance on Room 201	Inspected
<b>Pendant Mounted</b>	
Instance on Room 201	Does not exist
<b>Surface Mounted</b>	
Instance on Room 201	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Recessed Mounted</b>	
Instance on Room 201	Does not exist
<b>Lighting Fixture - HID</b>	
Instance on Room 201	Does not exist
<b>Lighting Fixture - Incandescent</b>	
Instance on Room 201	Does not exist
<b>Lighting Fixture - LED</b>	
Instance on Room 201	Does not exist
<b>Raceway With Receptacles</b>	
Instance on Room 201	Does not exist
<b>Projection System</b>	
Instance on Room 201	Does not exist
<b>LOCKER ROOM</b>	Inspected
Instance on 1st Floor - Boys, 1st Floor Mezzanine - Girls	Inspected
Alternative Use	Yes
<b>Lighting</b>	
Instance on 1st Floor - Boys, 1st Floor Mezzanine - Girls	Inspected
<b>Lighting Fixture - Fluorescent</b>	
Instance on 1st Floor - Boys, 1st Floor Mezzanine - Girls	Inspected
<b>Pendant Mounted</b>	
Instance on 1st Floor - Boys, 1st Floor Mezzanine - Girls	Does not exist
<b>Surface Mounted</b>	
Instance on 1st Floor - Boys, 1st Floor Mezzanine - Girls	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Recessed Mounted</b>	
Instance on 1st Floor - Boys, 1st Floor Mezzanine - Girls	Does not exist
<b>Lighting Fixture - HID</b>	
Instance on 1st Floor - Boys, 1st Floor Mezzanine - Girls	Does not exist
<b>Lighting Fixture - Incandescent</b>	
Instance on 1st Floor - Boys, 1st Floor Mezzanine - Girls	Does not exist
<b>Lighting Fixture - LED</b>	
Instance on 1st Floor - Boys, 1st Floor Mezzanine - Girls	Does not exist
<b>MULTIPURPOSE ROOM</b>	Does not exist
<b>SCIENCE DEMO ROOM</b>	Does not exist
<b>SCIENCE LAB</b>	Does not exist
<b>SCIENCE PREP ROOM</b>	Does not exist
<b>SWIMMING POOL</b>	Does not exist
<b>TOILET ROOM - STAFF</b>	Inspected
<b>Lighting</b>	Inspected
<b>Lighting Fixture - Fluorescent</b>	Inspected
<b>Pendant Mounted</b>	Does not exist
<b>Surface Mounted</b>	Inspected

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Question	Response
<b>TOILET ROOM - STAFF</b>	
<b>Lighting</b>	
<b>Lighting Fixture - Fluorescent</b>	
<b>Surface Mounted</b>	
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Recessed Mounted</b>	Does not exist
<b>Lighting Fixture - HID</b>	Does not exist
<b>Lighting Fixture - Incandescent</b>	Does not exist
<b>Lighting Fixture - LED</b>	Does not exist
<b>TOILET ROOM - STUDENT</b>	Inspected
<b>Lighting</b>	Inspected
<b>Lighting Fixture - Fluorescent</b>	Inspected
<b>Pendant Mounted</b>	Does not exist
<b>Surface Mounted</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Recessed Mounted</b>	Does not exist
<b>Lighting Fixture - HID</b>	Does not exist
<b>Lighting Fixture - Incandescent</b>	Does not exist
<b>Lighting Fixture - LED</b>	Does not exist
<b>AUXILIARY SIGNAL/BELL SYSTEM</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>EMERGENCY DC STANDBY BATTERY POWER</b>	Does not exist
<b>EMERGENCY GENERATOR SET</b>	Does not exist
<b>EMERGENCY LIGHT/EXIT LIGHT PANEL</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>EMERGENCY LIGHTING</b>	Inspected
<b>Battery Pack</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Non Battery Pack</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>EXIT LIGHT</b>	Inspected
<b>Battery Pack</b>	Inspected
Condition	4- Between Fair and Poor
Deficiency	FIXTURE LAMP NOT OPERATIONAL
Deficiency Location/Instance	Throughout the Building
Deficiency Quantity	15
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
<b>Non Battery Pack</b>	Inspected
Condition	3- Fair
Deficiency	FIXTURE LAMP NOT OPERATIONAL
Deficiency Location/Instance	1st Floor by Staircase D/Exit 5
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE

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<b>Question</b>	<b>Response</b>
<b>EXIT LIGHT</b>	
<b>Non Battery Pack</b>	
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>EXIT/EMERGENCY LIGHT</b>	Does not exist
<b>FIRE ALARM SYSTEM</b>	Inspected
<b>Bell/Horn</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Strobe</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Manual Pull Station</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Fan Shutdown Control</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Duct Smoke Detector</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Area Smoke Detector</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>CO Detector</b>	Does not exist
<b>Heat Detector</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Elevator Recall</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Magnetic Door Holder/Contactor</b>	Does not exist
<b>Fused Cutout Panel</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Fire Alarm Digital Communicator</b>	Does not exist
<b>Main Panel</b>	Inspected
<b>Bell At Panel</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Fire Alarm Control Panel (Electronic)</b>	Inspected
Instance	Main Entrance Lobby
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	General Electric
Model	EST 2
EquipmentId	Main Entrance Lobby
Installation Year	2014
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Fire Alarm Control Panel (Standard)</b>	Does not exist
<b>Sub-Panel</b>	Does not exist

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Question	Response
<b>FIRE ALARM SYSTEM</b>	
<b>Remote Annunciator</b>	Inspected
<b>Display Monitor</b>	Does not exist
<b>Panel</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Printer</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Punch Register</b>	Does not exist
<b>Sprinkler Flow/Air Pressure Switch</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>Tamper Flow Switch/Chain</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>GROUNDING SYSTEM</b>	
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>INTERCOM SYSTEM</b>	
Condition	Inspected
<b>Elevator</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Holding Area</b>	Does not exist
<b>LAN</b>	
Condition	Inspected
<b>Local Distribution Frame (I/LDF)</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Main Equipment Rack (MDF)</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>LIGHTNING PROTECTION</b>	
Condition	1- Good
Deficiency	No deficiencies recorded
<b>MOTOR CONTROLLER</b>	
Condition	Inspected
<b>MOTOR CONTROL CENTER</b>	Does not exist
<b>MOTOR STARTER/CONTACTOR</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Variable Frequency Drive</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>PANEL BOARD</b>	
Condition	Inspected
<b>Fused Disconnect Switch Type</b>	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
<b>Fused Knife Switch Type</b>	Does not exist
<b>Fused Toggle Switch Type</b>	Does not exist
<b>Molded Case Circuit Breaker Type</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	NO SPARE
Deficiency Location/Instance	Electrical Room
Deficiency Quantity	1
Quantity Uom	EACH



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Question	Response
<b>PANEL BOARD</b>	
<b>Molded Case Circuit Breaker Type</b>	
Potential Action	INSTALL NEW PANEL BOARD
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	PANEL BOARD COVER IS MISSING
Deficiency Location/Instance	Electrical Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 2
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	CIRCUIT BREAKER NOT OPERATIONAL
Deficiency Location/Instance	1st Floor by Rooms (105, 120)
Deficiency Quantity	10
Quantity Uom	EACH
Potential Action	REPLACE CIRCUIT BREAKER
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
<b>PUBLIC ADDRESS SYSTEM</b>	Inspected
Instance	General Office - Room 107
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Model	Rauland TC2100
Installation Year	2010
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>SECURITY</b>	Inspected
<b>IPDVS/CCTV System</b>	Does not exist
<b>Intrusion Alarm System</b>	Inspected
<b>Central Control Panel</b>	Inspected
Instance	Custodian's Office - Room 101
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Model	Vista - 128B
Installation Year	2000
Source of Installation Year	Inspector Estimate
Deficiency	No deficiencies recorded
<b>Infrared Sensor</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Panic Switch</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Remote Annunciator</b>	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Siren/Strobe</b>	Inspected
Condition	3- Fair

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Question	Response
<b>SECURITY</b>	
<b>Intrusion Alarm System</b>	
<b>Siren/Strobe</b>	
Deficiency	No deficiencies recorded
<b>Lighting - Security</b>	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
<b>SERVICE SWITCH</b>	
	Inspected
Instance	Electrical Room
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Siemens
EquipmentId	Service Disconnect
Capacity/Size Quantity	1600
Capacity/Size UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	2008
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>SWITCHBOARD</b>	
	Inspected
Number of Spares	4
<b>Fused Disconnect Switch Type</b>	
	Inspected
Instance	Electrical Room
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Siemens
EquipmentId	Switch A, B, C
Capacity/Size Quantity	1600
Capacity/Size UOM	Amps Total
Capacity/Size 2 Quantity	3
Capacity/Size 2 UOM	Section(s)
Source of Capacity/Size	Nameplate
Installation Year	2008
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
<b>Fused Knife Switch Type</b>	Does not exist
<b>Molded Case Circuit Breaker Type</b>	Does not exist
<b>TELEPHONE SYSTEM</b>	
	Inspected
<b>PBX/Intercom</b>	
	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>Standard</b>	
	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
<b>TRANSFORMER</b>	
	Inspected
Instance	Electrical Room
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	HPS Sentinel
EquipmentId	Solar Transformer
Capacity/Size Quantity	300
Capacity/Size UOM	kVA

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Question	Response
<b>TRANSFORMER</b>	
Source of Capacity/Size	Nameplate
Installation Year	2023
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded