

NYC Department of Education
Building Condition Assessment Survey 2017 - 2018

Electrical Inspection

Q242

Asset: P.S. 242 - (ECC) - QUEENS, 29-66 137TH STREET, New York, 11354

Inspection Id	Inspection Type	Time In	Last Edited
EE : Q242	Electrical	2017-10-23 12:13 PM	2018-06-15 4:27 PM

Asset Data

Question	Answer
Type of Service	Below Ground
Does Interactive Whiteboard (IWB) Exist?	Yes
Water Penetration in Electrical Room?	No
Have any Systems/Major Building Components been upgraded?	Yes
	Systems: Cafeteria (Local Sound System, Projection System, Theater Lighting System)
	Years: 2013
	Systems: Telephone System, LAN
	Years: 2011
	Systems: IPDVS/CCCTV System
	Years: 2004
	Systems: Emergency Generator Set (Automatic Transfer Switches)
	Years: 2001, 2016
	Systems: All Electrical Systems and Components
	Years: 2001

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?	Yes

Priority Condition

Priority Condition Exist Last Year?	Priority Category	Condition Description	Component Affected	Location Description	Person(s) Notified	Person(s) Title	Status	PhotoImage
Yes	Fire Alarm System - Components Missing	N/A	FIRE ALARM SYSTEM Magnetic Door Holder/Contacto r	Corridor near Rooms (309, 203)	Christopher Rueda	Fireman	Sent to DSF	
Yes	Fire Alarm System - Components Not Operational	N/A	FIRE ALARM SYSTEM Magnetic Door Holder/Contacto r	Corridor near Room 203	Christopher Rueda	Fireman	Sent to DSF	

Inspection

Question	Response
Electrical	
AUDITORIUM	Does not Exist
CAFETERIA	Inspected
Instance on 1st Floor	Inspected
Lighting	Inspected
Instance on 1st Floor	Inspected
Lighting Fixture - Fluorescent	
Instance on 1st Floor	Inspected
Pendant Mounted	Inspected
Instance on 1st Floor	Inspected
Condition	3 - Fair

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Question	Response
CAFETERIA	
Lighting	
Lighting Fixture - Fluorescent	
Pendant Mounted	
Deficiency	No deficiencies recorded
Surface Mounted	
Instance on 1st Floor	Does not Exist
Recessed Mounted	
Instance on 1st Floor	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Lighting Fixture - HID	
Instance on 1st Floor	Does not Exist
Lighting Fixture - Incandescent	
Instance on 1st Floor	Does not Exist
Lighting Fixture - LED	
Instance on 1st Floor	Does not Exist
Local Sound System	
Instance on 1st Floor	Inspected
Installation Year	2013
Source of Installation	Custodial Staff
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Projection System	
Is the projector on a cart or installed on the ceiling?	Ceiling
Instance on 1st Floor	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
Theater Lighting System	
Instance on 1st Floor	Inspected
Dimming System	
Instance on 1st Floor	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Theater Lighting	
Instance on 1st Floor	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
CLASSROOM/CORRIDOR/ADMINISTRATIVE SPACE	
Lighting	
Does a Chandelier exist?	No
Lighting Fixture - Fluorescent	
Pendant Mounted	
Condition	3 - Fair
Deficiency	No deficiencies recorded
Surface Mounted	
Condition	3 - Fair
Deficiency	No deficiencies recorded
Recessed Mounted	
Condition	3 - Fair

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Question	Response
CLASSROOM/CORRIDOR/ADMINISTRATIVE SPACE	
Lighting	
Lighting Fixture - Fluorescent	Inspected
Recessed Mounted	
Deficiency	No deficiencies recorded
Lighting Fixture - HID	Does not Exist
Lighting Fixture - Incandescent	Does not Exist
Lighting Fixture - LED	Does not Exist
COMPUTER LAB	Does not Exist
GYMNASIUM	Does not Exist
KITCHEN	Inspected
Instance on 1st Floor	Inspected
Lighting	Inspected
Instance on 1st Floor	Inspected
Lighting Fixture - Fluorescent	
Instance on 1st Floor	Inspected
Pendant Mounted	Does not Exist
Instance on 1st Floor	Does not Exist
Surface Mounted	Does not Exist
Instance on 1st Floor	Does not Exist
Recessed Mounted	Inspected
Instance on 1st Floor	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Lighting Fixture - HID	
Instance on 1st Floor	Does not Exist
Lighting Fixture - Incandescent	
Instance on 1st Floor	Does not Exist
Lighting Fixture - LED	
Instance on 1st Floor	Does not Exist
LIBRARY	Inspected
Instance on Room 203	Inspected
Lighting	Inspected
Instance on Room 203	Inspected
Lighting Fixture - Fluorescent	
Instance on Room 203	Inspected
Pendant Mounted	Does not Exist
Instance on Room 203	Does not Exist
Surface Mounted	Does not Exist
Instance on Room 203	Does not Exist
Recessed Mounted	Inspected
Instance on Room 203	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Lighting Fixture - HID	
Instance on Room 203	Does not Exist
Lighting Fixture - Incandescent	
Instance on Room 203	Does not Exist
Lighting Fixture - LED	

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Question	Response
LIBRARY	
Lighting	Inspected
Lighting Fixture - LED	
Instance on Room 203	Does not Exist
Raceway With Receptacles	Does not Exist
Instance on Room 203	Does not Exist
Projection System	Does not Exist
Instance on Room 203	Does not Exist
LOCKER ROOM	Does not Exist
MULTIPURPOSE ROOM	Does not Exist
SCIENCE DEMO ROOM	Does not Exist
SCIENCE LAB	Does not Exist
SCIENCE PREP ROOM	Does not Exist
SWIMMING POOL	Does not Exist
TOILET ROOM - STAFF	Inspected
Lighting	Inspected
Lighting Fixture - Fluorescent	Inspected
Pendant Mounted	Does not Exist
Surface Mounted	Does not Exist
Recessed Mounted	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Lighting Fixture - HID	Does not Exist
Lighting Fixture - Incandescent	Does not Exist
Lighting Fixture - LED	Does not Exist
TOILET ROOM - STUDENT	Inspected
Lighting	Inspected
Lighting Fixture - Fluorescent	Inspected
Pendant Mounted	Does not Exist
Surface Mounted	Does not Exist
Recessed Mounted	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Lighting Fixture - HID	Does not Exist
Lighting Fixture - Incandescent	Does not Exist
Lighting Fixture - LED	Does not Exist
AUXILIARY SIGNAL/BELL SYSTEM	Inspected
Replacement Quantity	35,000
Replacement Uom	S.F.
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	Electrical Room 402
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH

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Question	Response
EMERGENCY GENERATOR SET	
Automatic Transfer Switch (ATS)	
Instance Manufacturer	ASCO
Equipment	Fire Alarm Automatic Transfer Switch
Capacity/Size Quantity	30
Capacity/Size UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded
Instance	Electrical Room 106B
Instance Condition	1 - Good
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	ASCO
Equipment	ATS Standby
Capacity/Size Quantity	70
Capacity/Size UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	2016
Source of Installation	Custodial Staff
Deficiency	No deficiencies recorded
Instance	Electrical Room 402
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	ASCO
Equipment	N/A
Capacity/Size Quantity	1,000
Capacity/Size UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded
Battery Charger	Inspected
Instance	Emergency Generator Room 403
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Charles Industries
Equipment	Battery Charger
Capacity/Size Quantity	10
Capacity/Size UOM	AmpsDC
Capacity/Size2 Quantity	24
Capacity/Size2 UOM	VDC
Source of Capacity/Size	Nameplate
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded

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Question	Response
EMERGENCY GENERATOR SET	
Diesel	Inspected
Instance	Emergency Generator Room 403
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Caterpillar
Equipment	Emergency Generator
Capacity/Size Quantity	288
Capacity/Size UOM	KVA
Capacity/Size2 Quantity	230
Capacity/Size2 UOM	KW
Capacity/Size3Quantity	800
Capacity/Size3 UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded
Natural Gas	Does not Exist
EMERGENCY LIGHT/EXIT LIGHT PANEL	Does not Exist
EMERGENCY LIGHTING	Inspected
Battery Pack	Does not Exist
Non Battery Pack	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
EXIT LIGHT	Inspected
Battery Pack	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Non Battery Pack	Does not Exist
EXIT/EMERGENCY LIGHT	Does not Exist
CITY FIRE ALARM SYSTEM	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
FIRE ALARM SYSTEM	Inspected
Replacement Quantity	35,000
Replacement Uom	S.F.
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

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Question	Response
FIRE ALARM SYSTEM	
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	Does not Exist
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
Condition	3 - Fair
Deficiency	CONTACTOR NOT OPERATIONAL
Deficiency Location/Instance	Corridor near Room 203
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Deficiency	CONTACTOR MISSING
Deficiency Location/Instance	Corridor near Rooms (309, 203)
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	INSTALL CONTACTOR
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Deficiency Photo1	No photo recorded
Violations	No violations 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	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Fire Alarm Control Panel (Electronic)	Inspected
Instance	Main Lobby
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Simplex
Equipment	Fire Alarm Control Panel
Model	4100

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FIRE ALARM SYSTEM	
Main Panel	
Fire Alarm Control Panel (Electronic)	
Capacity/Size Quantity	24
Capacity/Size UOM	Zones
Capacity/Size2 Quantity	1
Capacity/Size2 UOM	Section(S)
Source of Capacity/Size	Diagram
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies 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	2 - Between Good and Fair
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
Elevator	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Holding Area	Does not Exist
LAN	Inspected
Local Distribution Frame (I/LDF)	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Main Equipment Rack (MDF)	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
LIGHTNING PROTECTION	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
MOTOR CONTROL CENTER	Does not Exist
MOTOR STARTER/CONTACTOR	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded

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Question	Response
PANEL BOARD	Inspected
Fused Disconnect Switch Type	Inspected
Condition	2 - Between Good and 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	2 - Between Good and Fair
Deficiency	NO SPARE
Deficiency Location/Instance	Kitchen, Room 205C, Room 305C
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	INSTALL NEW PANEL BOARD
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
PUBLIC ADDRESS SYSTEM	Inspected
Replacement Quantity	35,000
Replacement Uom	S.F.
Instance	Telecom Room 106A
Instance Condition	3 - Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Model	Rauland TC2100
Installation Year	2001
Source of Installation	Documented
Deficiency	CLOCK NOT OPERATIONAL
Deficiency Location/Instance	Corridors, Classrooms
Deficiency Quantity	5
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
SECURITY	Inspected
IPDVS/CCTV System	Inspected
Replacement Quantity	35,000
Replacement Uom	S.F.
Installation Year	2004
Source of Installation	Custodial Staff
Condition	3 - Fair
Deficiency	No deficiencies recorded
Intrusion Alarm System	Inspected
Replacement Quantity	35,000
Replacement Uom	S.F.
Central Control Panel	Inspected
Instance	Custodian's Office

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Question	Response
SECURITY	
Intrusion Alarm System	
Central Control Panel	
Instance Condition	3 - Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Model	Vista - 128B
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded
Infrared Sensor	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Panic Switch	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Remote Annunciator	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Siren/Strobe	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Ultrasonic Sensor	Does not Exist
Lighting - Security	Inspected
Replacement Quantity	18
Replacement Uom	EACH
Condition	3 - Fair
Deficiency	LIGHTING FIXTURE BALLAST DEFECTIVE
Deficiency Location/Instance	Exterior wall Facing 31st Road
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE BALLAST
Urgency of Action	PRIORITY 2
Purpose of Action	LEVEL 3
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
SERVICE SWITCH	Inspected
Instance	Electrical Room 106B
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Square D
Equipment	SS #1 (MDP)
Capacity/Size Quantity	2,000
Capacity/Size UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded

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Question	Response
SERVICE SWITCH	
Instance	Electrical Room 106B
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Square D
Equipment	SS #2 (ATS #1)
Capacity/Size Quantity	800
Capacity/Size UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded
Instance	Electrical Room 106B
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Square D
Equipment	SS #3 (MDP)
Capacity/Size Quantity	1,200
Capacity/Size UOM	Amps
Source of Capacity/Size	Nameplate
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded
SWITCHBOARD	Inspected
Number of Spares	7
Air Circuit Breaker Type	Does not Exist
Fused Disconnect Switch Type	Inspected
Instance	Electrical Room 402
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Square D
Equipment	EDP (Emergency Generator Switchboard)
Capacity/Size Quantity	800
Capacity/Size UOM	Amps Total
Capacity/Size2 Quantity	1
Capacity/Size2 UOM	Section(S)
Source of Capacity/Size	Nameplate
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded
Instance	Mechanical Room 409
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Square D
Equipment	N/A

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Question	Response
SWITCHBOARD	
Fused Disconnect Switch Type	
Capacity/Size Quantity	2,000
Capacity/Size UOM	Amps Total
Capacity/Size2 Quantity	2
Capacity/Size2 UOM	Section(S)
Source of Capacity/Size	Nameplate
Installation Year	2001
Source of Installation	Documented
Deficiency	No deficiencies recorded
Instance	Electrical Room 106B
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Square D
Equipment	N/A
Capacity/Size Quantity	1,200
Capacity/Size UOM	Amps Total
Capacity/Size2 Quantity	1
Capacity/Size2 UOM	Section(S)
Source of Capacity/Size	Nameplate
Installation Year	2001
Source of Installation	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	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Standard	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
TRANSFORMER	Does not Exist
TV SYSTEM	Inspected
Cable System Exist?	Yes
Operational?	No
Main Equipment Rack	Does not Exist