


2021-2022 MIDDLE SCHOOL GYMNASIUMS RENOVATIONS AND MIDDLE SCHOOL ROOF REPLACEMENT PROJECT

STRUCTURAL CONSULTANT
REILLY TARANTINO ENGINEERING
1000 PARK BOULEVARD, #209
MASSAPEQUA PARK, NY 11762
631.724.7888

HAZARDOUS MATERIALS CONSULTANT
WSP
96 MORTON STREET, 8TH FLOOR
NEW YORK, NY 10014
212.612.7924

LIGHTING CONTROL SYMBOL LIST	
(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)	
SYMBOL	DESCRIPTION
\$	SINGLE POLE LINE VOLTAGE SWITCH
\$ ³	3-WAY LINE VOLTAGE SWITCH
\$ ^K	KEY ACTIVATED LINE VOLTAGE SWITCH
	DUAL TECHNOLOGY OCCUPANCY SENSOR, WALL MTD.
o _{OS}	DUAL TECHNOLOGY HIGH BAY OCCUPANCY SENSOR, PENDANT MTD.

LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	WATTAGE / CCT / LUMENS / CRI	VOLTS	NOTES
F1	GYMNASIUM HIGH BAY	HOLOPHANE	PHZ 35000LM MDFR MVOLT 40K 80CRI PM DW/HXD WGX	254W / 4000K / 28215LM / 80	UNV	MOUNT AT 21.5 FT. AFF TO BOTTOM OF LENS
F2	GYMNASIUM HIGH BAY	HOLOPHANE	PHZ 35000LM MDFR MVOLT 40K 80CRI PM DW/HXD WGX	254W / 4000K / 28215LM / 80	UNV	MOUNT AT 17 FT. AFF TO BOTTOM OF LENS
EM1	EMERGENCY/EXIT COMBO	LITHONIA	LHQM LED R SD ELA WG3		UNV	MOUNT AT 9 FT. AFF
X1	EXIT SIGN	LITHONIA	LQM S W 3 R MVOLT EL N SD ELA WG1		UNV	MOUNT AT 9 FT. AFF

<h2 style="text-align: center;">NEW YORK STATE CODES & STANDARDS</h2> <ul style="list-style-type: none"> • 2020 BUILDING CODE OF NEW YORK STATE • 2020 FIRE CODE OF NEW YORK STATE • 2020 PLUMBING CODE OF NEW YORK STATE • 2020 MECHANICAL CODE OF NEW YORK STATE • 2020 FUEL GAS CODE OF NEW YORK STATE • 2020 NYS UNIFORM CODE SUPPLEMENT • NYS EDUCATION DEPARTMENT 1998 MANUAL OF PLANNING STANDARDS 	
<h2 style="text-align: center;">NEW YORK STATE CODES</h2> <ul style="list-style-type: none"> • 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE • 2016 ASHRAE 90.1 	
<h2 style="text-align: center;">REFERENCED STANDARDS</h2> <p>APPLICABLE REFERENCE STANDARDS SHALL BE AS REFERENCED BY ALL STATE CODES. THE LIST BELOW IS FOR QUICK REFERENCE AND DOES NOT INCLUDE ALL APPLICABLE REFERENCE STANDARDS.</p> <ul style="list-style-type: none"> • 2016 NFPA 13 – STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS • 2016 NFPA 14 – STANDARD FOR THE INSTALLATION OF STANDPIPE AND ROSE SYSTEMS • 2016 NFPA 20 – STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION • 2017 NFPA 70 – NATIONAL ELECTRICAL CODE • 2016 NFPA 72 – NATIONAL FIRE ALARM AND SIGNALING CODE 	

ROOF	RTU-MS-1	RTU-MS-2	RTU-MS-3	
FIRST FLOOR	GYMNASIUM		SMALL GYMNASIUM	
<p align="center"><u>PARTIAL FIRE ALARM RISER</u></p> <p align="center">N.T.S.</p>				

1. PROVIDE ALL EQUIPMENT, PROGRAMMING & WIRING REQUIRED FOR A COMPLETE CODE COMPLIANT SYSTEM.
2. PROVIDE ALL FILING, PERMIT & FIRE DEPARTMENT INSPECTION FEES.
3. ALL NOTIFICATION AND SIGNAL LINE CIRCUITS SHALL BE CLASS B WIRING WITHOUT T-TAPPING OF CIRCUITS.
4. COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE EXACT SEQUENCE OF OPERATIONS.
5. SMOKE DETECTORS SHALL BE A MINIMUM OF 3 FEET FROM ALL SUPPLY DIFFUSERS.
6. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT WHEN RUN EXPOSED IN MECHANICAL ROOMS. PROVIDE CONDUIT CONCEALED IN WALLS UP TO ACCESSIBLE CEILING WITH INSULATING BUSHING FOR ALL WALL MOUNTED FIRE ALARM DEVICES.
7. ALL FIRE ALARM EQUIPMENT SHALL BE APPROVED BY LOCAL AHJ PRIOR TO ORDERING.
8. FIRE ALARM RISER IS A DIAGRAMMATIC REPRESENTATION OF THE SYSTEM. REFER TO FLOOR PLANS FOR DEVICE QUANTITY AND LOCATIONS.
9. ALL FIRE ALARM CABLEING SHALL BE PLEXNUM RATED AND MEET PATHWAY SURVIVABILITY LEVEL 2.
10. ALL FIRE ALARM ANNUNCIATING DEVICES SHALL BE "RED".
11. PROVIDE A CONTROL MODULE AND RELAY FOR ALL FIRE SMOKE DAMPERS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND QUANTITIES. PROVIDE DUCT SMOKE DETECTORS TO ACTIVATE FIRE SMOKE DAMPERS AS REQUIRED.
12. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS THAT INCLUDE MANUFACTURER'S CUT SHEETS WITH EQUIPMENT MODEL NUMBERS, BATTERY CALCULATIONS, CONDUCTOR TYPE AND SIZES, AND VOLTAGE DROP CALCULATIONS.
13. REMOVE EXISTING FIRE ALARM DEVICES IN SCOPE OF WORK AREA WHERE NEW DEVICES ARE INDICATED.
14. ALL NEW FIRE ALARM DEVICES SHALL BE TIED INTO EXISTING ADDRESSABLE FIRE ALARM LOOPS. PROVIDE ADDITIONAL ADDRESSABLE CARDS/AMPLIFIER/POWER SUPPLY/WIRING AND CONDUIT AS REQUIRED.

MS E001

2021-2022 MIDDLE SCHOOL
GYMNASIUMS
RENOVATIONS AND
MIDDLE SCHOOL ROOF
REPLACEMENT PROJECT

STRUCTURAL CONSULTANT
REILLY TARANTINO ENGINEERING
1000 PARK BOULEVARD, #209
MASSAPEQUA PARK, NY 11762
631.724.7888

HAZARDOUS MATERIALS CONSULTANT
WSP
36 MORTON STREET, 8TH FLOOR
NEW YORK, NY 10014
212.612.7924



ELECTRICAL DEMOLITION PLAN NOTES



ELECTRICAL LIGHTING PLAN NOTES:

8. EXTEND/MODIFY EXISTING P.A. SPEAKER WIRING TO REPLACEMENT SPEAKERS IN CONDUIT.
9. FIXTURES DESIGNATED AS EMERGENCY (EM) SHALL ILLUMINATE FOR MINIMUM 90 MINUTES UPON LOSS OF UTILITY POWER. LOCATE TEST SWITCH ADJACENT TO FIXTURE, IF NOT INTEGRAL.
10. CIRCUIT EMERGENCY LIGHTS AND EXIT SIGNS TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING.
11. IN EACH GYMNASIUM, OCCUPANCY SENSOR AUTO ON/OFF OUTSIDE OF SCHEDULED OCCUPIED HOURS. SENSORS INDICATED ARE HIGH-BAY SENSORS MOUNTED TO BOTTOM OF BEAM.

1 ELECTRICAL KEY NOTES:

- ① nLIGHT nPOD DIGITAL KEY SWITCH OR EQUAL. RETURN TO CENTER MOMENTARY KEY SWITCH WITH DIM UP / DIM DOWN FUNCTIONALITY. nPOD KEY STS. COORDINATE EXACT LOCATIONS WITH OWNER.

[illegible]

KEY PLAN



MS E201

© 2021 MEMASI. ALL RIGHTS RESERVED.