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1. PROVIDE 3/4" EMT CONDUIT SLEEVES THROUGH ALL WALLS FOR FIRE ALARM AND POWER BRANCH CIRCUITS. SLEEVE PESTOPPING AROUND SLEEVES AND IN BETWEEN SLEEVE AND CABLE OR BRANCH CIRCUIT CABLE.2
2. ROUTE SURFACE RACEWAY SR TO CORRIDOR WALL (MOUNT ON WALL JUST ABOVE CEILING) AND TRANSITION TO CABLE AT WALL, THROUGH SLEEVE AND TO ABOVE ACCESSIBLE CORRIDOR CEILING, TYPICAL.
3. INSTALL ALL FIRE ALARM CABLE IN CLASSROOMS IN SURFACE RACEWAY TYPE SR. ALSO REFER TO GENERAL NOTE 2 THIS DRAWING.
4. ANY ELECTRICAL WORK PERFORMED OR REQUIRED IN STEAM TUNNELS ARE TO BE CONSIDERED CONFINED SPACES. WORK IN THESE SPACES SHALL CONFORM TO ALL OSHA AND RELATED REGULATIONS.

KEYED NOTES

- (1) PROVIDE RECONNECTION OF EXISTING POWER BRANCH CIRCUIT WIRING TO REPLACEMENT UNIT VENTILATOR. EXTEND AS NECESSARY USING #12/2 MC CABLE BRANCH CIRCUIT WIRING TO COMPLETE CONNECTION.
- (2) REFER TO POWER RISER DIAGRAM 1/MES-0500.
- (3) PROVIDE #12/2 MC CABLE TO PANELBOARD INDICATED.
- (4) PROVIDE 2-#12 AWG, 1-#12 AWG AWG EGC IN SURFACE RACEWAY TYPE SR TO PANELBOARD INDICATED. TRANSITION TO #12/3 MC CABLE WHERE CONCEALED ABOVE CEILING.
- (5) PROVIDE 3-#12 AWG, 1-#12 AWG EGC IN 3/4" RIGID STEEL CONDUIT TO PANELBOARD INDICATED.
- (6) PROVIDE 3-#8 AWG, 1-#10 AWG EGC IN 1" GALVANIZED RIGID STEEL CONDUIT FROM VFD TO PANELBOARD. PROVIDE 3-#8 AWG, 1-#10 AWG EGC IN 1" LFNC. FROM VFD TO PUMP.
- (7) EQUIPMENT STATION MOUNTING TO MOUNT VFD'S. REFER TO DETAIL 4/MES-0500.
- (8) PROVIDE (1) 20 AMP, 1-POLE, 120V, 22K AIC CIRCUIT BREAKER INSTALLED WITHIN EXISTING PANELBOARD. CIRCUIT BREAKERS TO BE UL LISTED FOR INSTALLATION WITHIN EXISTING PANELBOARD AS MANUFACTURED BY SIEMENS ITE PANELBOARD TYPE UB24422. PANEL.
- (9) PROVIDE (1) 20 AMP, 1-POLE, 120V, 22K AIC CIRCUIT BREAKER INSTALLED WITHIN EXISTING PANELBOARD. CIRCUIT BREAKERS TO BE UL LISTED FOR INSTALLATION WITHIN EXISTING PANELBOARD AS MANUFACTURED BY SIEMENS ITE PANELBOARD TYPE CDP-7 PANEL.
- (10) PROVIDE (1) 60 AMP, 3-POLE, 208V, 22K AIC CIRCUIT BREAKER (TO SERVE PUMPS P-1 & P-2) INSTALLED WITHIN EXISTING PANELBOARD. CIRCUIT BREAKERS TO BE UL LISTED FOR INSTALLATION WITHIN EXISTING PANELBOARD AS MANUFACTURED BY SQUARE D NOOD PANEL.
- (11) REUSE EXISTING 20A/3P CIRCUIT BREAKER (1,3,5) TO FEED BFU-1 UNIT.
- (12) PROVIDE (1) 30 AMP, 240 VOLT RATED, 3-POLE, NEMA 3R HEAVY DUTY NON FUSED DISCONNECT SWITCH.
- (13) PROVIDE RECONNECTION OF EXISTING POWER BRANCH CIRCUIT WIRING TO REPLACEMENT CABINET UNIT HEATER. EXTEND AS NECESSARY USING 2-#12 AWG, 1-#12 AWG EGC IN ¾" CONDUIT BRANCH CIRCUIT WIRING TO COMPLETE CONNECTION.
- (14) PROVIDE (3) #12 and 1-#12 EGC IN 1/2" C BRANCH CIRCUIT HOMERUN.
- (15) CONNECT BRANCH CIRCUITS FOR AHU-1 AND AHU-2 TO EXISTING 20A, 3 POLE CIRCUIT BREAKERS.

ARCHITECT

ksqdesign

NEW YORK	OKLAHOMA	NORTH
CAROLINA		
TEXAS	COLORADO	SOUTH
CAROLINA		

KSQ Design
215 W 40th Street
New York, NY 10018
914.682.3700 office
917.591.7013 fax
www.ksq.design

Owner

Nanuet Union Free School District
Nanuet High School Global Learning Commons
103 Church St, Nanuet, NY 10954
845.627.9880 office
845.624.5338 fax
<http://www.nanuet.org/>

Environmental Engineer

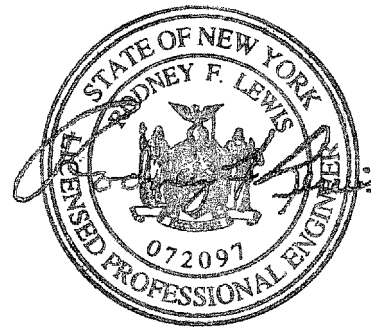
Green Path Environmental, Inc.
79 Glover Street, Suite 1
Staten Island, NY 10308
347.276.2339 office

MEP Engineer

**DELTA Engineers, Architects, & Land
Surveyors, DPC**
220 Harborside Dr, Suite 202
Schenectady, NY 12305
518.427.7200 office

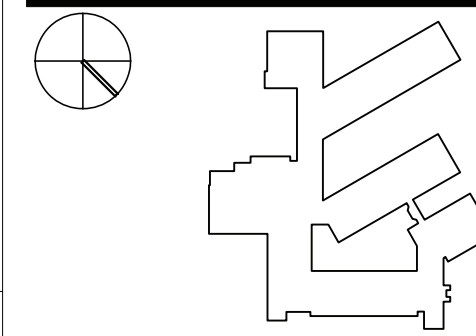
SED CONTROL NUMBERS

MILLER ES #: 50-01-08-03-0-001-022



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MILLER ES
HYDRONIC
CONVERSION
2020

103 Church St, Nanuet,
NY 10954

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SCALE: As indicated

SHEET NAME:
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MES-E101

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