TO FLOOR LEVEL AND CAP. SECOND FLOOR TO SECOND FLOOR SP.ED. CLASSROOM 100 A TO FLOOR LEVEL SP.ED. 10"ø SA-CLASSROOM 102 A 5TH / 6TH GRADES CLASSROOM SP. ED. - 11/4" HWS DOWN GRADES CLASSROOM CLASSROOM TO FIN TUBE ENCLOSURE 106 **GREETERS** BOOTH 100B CLASSROOM 2" HWS¬ ← 1-1/2" HWS DOWN TO FLOOR /— 1-1/4" HWR UP TO SECOND FLOOR GENERAL OFFICE C122 1-1/4" HWS UP TO SECOND FLOOR LOUNGE 107 **PRICIPAL** TECH CLASSROOM WALL MOUNTED COPY ROOM 1-1/4" HWR DOWN TO FAN COIL (6) FLOOR LEVEL — TECH CLASSROOM - 1" HWR UP TO SECOND FLOOR CONDENSING UNIT 1" HWS UP TO SECOND FLOOR — TYPICAL 58"x12" **5TH GRADE** CLASSROOM 120 UV OA LOUVER ---TECH CLASSROOM 6 WALL MOUNTED COURTYARD 1 1/2" HWS---- 1-1/4" HWS UP TO SECOND FLOOR ____1 1/4" HWR 5TH GRADE FTR-PARTIAL FIRST FLOOR REMOVALS - NORTHEAST (A18) 1/8" = 1'-0"

7/11/2023 3:23:05 PM

KEYED NOTES

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REGARDING PNEUMATIC CONTROL SYSTEM REMOVAL WORK: CAP OPEN/OBSOLETE PNEUMATIC TUBING AT ALL LOCATIONS. REMOVE

OBSOLETE/DISCONNECTED PNEUMATIC TUBING WHERE EXPOSED TO VIEW. ABANDON IN-PLACE PNEUMATIC TUBING THAT IS CONCEALED OR IN

GENERAL NOTES:

OTHERWISE INACCESSIBLE AREAS.

- DISCONNECT AND REMOVE FLOOR MOUNTED UNIT VENTILATOR AT LOCATION SHOWN. DISCONNECT OUTSIDE AIR DUCT SLEEVE FROM REMOVED UNIT VENTILATOR AND MAINTAIN OUTSIDE AIR DUCT SLEEVE CONNECTED TO EXTERIOR OUTSIDE AIR LOUVER. DISCONNECT AND REMOVE HWS/HWR BRANCH PIPING TO REMOVED UNIT VENTILATOR HEATING COIL. DISCONNECT AND REMOVE HEATING COIL CONTROL VALVE, DAMPERS AND ALL ASSOCIATED UNIT VENTILATOR CONTROL WIRING, DDC CONTROLLER, SENSORS, RELAYS, GRAPHICS, PROGRAMMING, SEQUENCES OF OPERATIONS AND ASSOCIATED CONTROL DEVICES.
- DISCONNECT AND REMOVE SPACE TEMPERATURE SENSOR AT LOATION SHOWN. DISCONNECT AND REMOVE DDC PROGRAMMING FROM REMOVED UNIT VENTILATOR IN SPACE. REMOVE CONTROL WIRING BETWEEN UNIT VENTILATOR DDC CONTROLLER AND SPACE SENSOR.
- DISCONNECT AND REMOVE PERIMETER SHELVING/CABINET UNITS AT LOCATION SHOWN AND FIN TUBE RADIATION LOCATED WITHIN PIPING TUNNEL AT REAR OF SHELVING SYSTEM. DISCONNECT AND REMOVE HWS/R PIPING MAINS ROUTED WITHIN PIPING TUNNEL AT REAR OF UV SHELVING SYSTEMS.
- DISCONNECT AND REMOVE HORIZONTAL HWS/HWR PIPING ROUTED WITHIN UV SHELVING CABINET PIPING TUNNEL INCLUDING ASSOCIATED FIN TUBE RADIATION WITHIN THE TUNNEL SYSTEM. DISCONNECT AND REMOVE HWR BRANCH PIPING BACK TO DISCONNECTION POINT SHOWN AT BOTTOM HWR RISER ROUTED DOWN
- DISCONNECT 1-1/2" HWS BETWEEN DISCONNECTION POINTS SHOWN FROM BOTTOM OF HWS RISER ROUTED DOWN TO FLOOR LEVEL TO UPSTREAM OF WALL PENETRATION ENTERING TECH CLASSROOM 108. DISCONNECT AND REMOVE HWS PIPING TO BOTTOM OF RISER AND CAP. DISCONNECT AND REMOVE 1" HWR PIPING FROM REMOVED UV HEATING COIL TO DISCONNECTION POINT SHOWN UPSTREAM OF WALL PENETRATION ENTERING TECH CLASSROOM 108.
- DISCONNECT AND REMOVE EXTERIOR GRADE MOUNTED CONDENSING UNIT, TWO WALL MOUNTED FAN COIL UNITS, TWO FAN COIL UNIT CONTROLLERS AND ALL ASSOCIATED REFRIGERANT SUCTION/LIQUID PIPING BETWEEN FAN COIL UNITS, CONDENSING UNIT AND CONDENSING UNIT SUPPORT PAD. REMOVE ALL ASSOCIATED CONTROL WIRING. DISPOSE OF REFRIGERANT WITHIN THE ENTIRE SYSTEM PER SECTION 608 OF THE ENVIRONMENTAL PROTECTION AGENCY'S CLEAN AIR ACT.
- 7 DISCONNECT AND REMOVE HORIZONTAL PIPING ENCLOSURE SYSTEMS WITHIN FACULTY LOUNGE 107.
- B DISCONNECT AND REMOVE HORIZONTAL PIPING ENCLOSURE SYSTEMS WITHIN TECH CLASSROOM 108 AT LOCATIONS SHOWN. MAINTAIN HWS/HWR PIPING MAINS ROUTED ALONG PERIMETER WALL BEHIND REMOVED ENCLOSURE UNITS.
- DISCONNECT AND REMOVE AIR HANDLING UNIT S-3 PENUMATIC OPERATOR DIAL AT LOCATION SHOWN INCLUDING ASSOCIATED PNEUMATIC TUBING. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE STAINLESS STEEL COVER PLATE OVER LOCATION OF REMOVED PNEUMATIC
- DISCONNECT AND REMOVE FIN TUBE RADIATION AND ASSOCIATED FIN TUBE ENCLOSURE UNITS AT ALL LOCATIONS SHOWN. DISCONNECT AND REMOVE HWS/R PIPING MAINS ROUTED THROUGH FIN TUBE ENCLOSURE TO DISCONNECTION POINTS SHOWN AT BASE OF ASSOCIATED HWS/R RISER DROPS AND CAP.
- DISCONNECT AND REMOVE SEMI-RECESSED, HORIZONTAL, DUCTED UNIT VENTILATOR AT LOCATION SHOWN. DISCONNECT UV FROM REAR INLET OA PLENUM. MAINTAIN OA PLENUM FOR RECONNECTION TO REPLACEMENT UNIT VENTILATOR AS SHOWN ON DRAWING MS M-111. DISCONNECT AND REMOVE HEATING COIL CONTROL VALVE, DAMPERS, DAMPER ACTUATORS AND ALL ASSOCIATED UNIT VENTILATOR CONTROL WIRING, DDC CONTROLLER, SENSORS, RELAYS, GRAPHICS, PROGRAMMING, SEQUENCES OF OPERATIONS AND ASSOCIATED CONTROL DEVICES.
- DISCONNECT AND REMOVE HORIZONTAL, CONCEALED RECTANGULAR SA DUCTWORK FROM OUTLET OF REMOVED HORIZONTAL UNIT VENTILATOR. DISCONNECT AND MAINTAIN 10" ROUND SA TAPS CONNECTED TO THE TOP OF REMOVED HORIZONTAL SA OUTLET DUCTWORK.
- DISCONNECT AND REMOVE SPACE TEMPERATURE SENSOR AT LOCATION SHOWN. MAINTAIN CONTROL WIRING AT WALL LOCATION FOR REPLACEMENT SPACE TEMPERATURE SENSOR AS SHOWN ON DRAWING MS-M111.
- DISCONNECT AND REMOVE VERTICAL HWS/R PIPING FROM REMOVED FLOOR FIN TUBE ENCLOSURE SYSTEM TO REMOVED UV HEATING COIL. DISCONNECT AND REMOVE ASSOCIATED VERTICAL PIPING ENCLOSURE UNIT CONCEALING THE HWS/R VERTICAL PIPING ROUTED FROM FLOOR TO CEILING. DISCONNECT AND REMOVE HWS/R PIPING ROUTED TO HORIZONTAL UV HEATING COIL INCLUDING ASSOCIATED CONTROL VALVES AND HYDRONIC ACCESSORIES.

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NUFSD BOND PROJECTS PH3

☐ SED#50-01-08-03-0-003-035 (HIGH SCH0OL)
■ SED#50-01-08-03-0-004-020 (BARR MIDDLE SCH0OL)

<u>High School</u> 103 Church St. Nanuet, NY 10954

Barr Middle School 50 Blauvelt Rd #1 Nanuet, NY 10954

No. Description Da
1 BID ADDENDUM #6 07/12

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

SCALE: 1/8" = 1'-0"

SHEET NAME:

PARTIAL FIRST FLOOR
REMOVALS NORTHEAST

BM-M104

 \cdots GENERAL NOTES: DISCONNECT AND REMOVE FLOOR MOUNTED UNIT VENTILATOR AT LOCATION SHOWN. DISCONNECT OUTSIDE AIR DUCT SLEEVE FROM REMOVED UNIT REGARDING PNEUMATIC CONTROL SYSTEM REMOVAL WORK: CAP OPEN/OBSOLETE PNEUMATIC TUBING AT ALL LOCATIONS. REMOVE OBSOLETE/DISCONNECTED PNEUMATIC TUBING WHERE EXPOSED TO VIEW. ABANDON IN-PLACE PNEUMATIC TUBING THAT IS CONCEALED OR IN VENTILATOR AND MAINTAIN OUTSIDE AIR DUCT SLEEVE CONNECTED TO EXTERIOR OUTSIDE AIR LOUVER. DISCONNECT AND REMOVE HWS/HWR BRANCH OTHERWISE INACCESSIBLE AREAS. PIPING TO REMOVED UNIT VENTILATOR HEATING COIL. DISCONNECT AND REMOVE HEATING COIL CONTROL VALVE, DAMPERS AND ALL ASSOCIATED UNIT VENTILATOR CONTROL WIRING, DDC CONTROLLER, SENSORS, RELAYS, GRAPHICS, PROGRAMMING, SEQUENCES OF OPERATIONS AND ASSOCIATED DISCONNECT AND REMOVE SPACE TEMPERATURE SENSOR AT LOATION SHOWN. DISCONNECT AND REMOVE DDC PROGRAMMING FROM REMOVED UNIT VENTILATOR IN SPACE. REMOVE CONTROL WIRING BETWEEN UNIT VENTILATOR DDC CONTROLLER AND SPACE SENSOR. DISCONNECT AND REMOVE PERIMETER SHELVING/CABINET UNITS AT LOCATION SHOWN AND FIN TUBE RADIATION LOCATED WITHIN PIPING TUNNEL AT REAR OF SHELVING SYSTEM. DISCONNECT AND REMOVE HORIZONTAL PIPING ENCLOSURE UNITS AT LOCATIONS SHOWN INCLUDING ASSOCIATED FIN TUBE RADIATION WITHIN THE PIPING ENCLOSURE SYSTEM. DISCONNECT AND REMOVE HWS/HWR BRANCH PIPING WITHIN FIN TUBE ENCLOSURE SYSTEM BACK TO DISCONNECTION POINT SHOWN. DISCONNECT AND REMOVE HWS TO BOTTOM OF RISER ROUTED TO FLOOR LEVEL AND CAP AT DISCONNECTION POINT. Owner DISCONNECT AND REMOVE FLOOR MOUNTED UNIT VENTILATOR AT LOCATION SHOWN. DISCONNECT OUTSIDE AIR DUCT SLEEVE FROM REMOVED UNIT VENTILATOR AND MAINTAIN OUTSIDE AIR DUCT SLEEVE CONNECTED TO EXTERIOR OUTSIDE AIR LOUVER. DISCONNECT AND REMOVE HWS/HWR BRANCH PIPING TO REMOVED UNIT VENTILATOR HEATING COIL BACK TO BOTTOM OF HWS/R RISERS WITHIN ADJACENT VERTICAL CHASE. DISCONNECT AND REMOVE HEATING COIL CONTROL VALVE, DAMPERS AND ALL ASSOCIATED UNIT VENTILATOR CONTROL WIRING, DDC CONTROLLER, SENSORS, RELAYS, GRAPHICS, PROGRAMMING, SEQUENCES OF OPERATIONS AND ASSOCIATED CONTROL DEVICES. (6) DISCONNECT AND REMOVE AIR HANDLING UNIT S-4 PENUMATIC OPERATOR DIAL AT LOCATION SHOWN INCLUDING ASSOCIATED PNEUMATIC TUBING. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE STAINLESS STEEL COVER PLATE OVER LOCATION OF REMOVED PNEUMATIC OPERATOR DIAL. DISCONNECT AND REMOVE PNEUMATIC CONTROL PANEL INCLUDING ALL PNEUMATIC ON/OFF SWITCHES AND PNEUMATIC OPERATOR DIALS FROM REMOVED PNEUMATIC CONTROLS SERVING EXHAUST FANS AND AIR HANDLING UNIT S-1. REMOVE PNEUMATIC TUBING FROM CONTROL PANEL BACK TO ASSOCIATED PNEUMATIC PIPING MAIN AND CAP. REMOVE LINE VOLTAGE POWER FROM REMOVED PANEL BACK TO ASSOCIATED PANELBOARD. REMOVE ALL LOW VOLTAGE CONTROL WIRING FROM PANEL BACK TO ASSOCIATED SOURCE. (8) DISCONNECT AND REMOVE TWO PNEUMATIC THERMOSTATS AT LOCATIONS SHOWN. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE STAINLESS STEEL COVER PLATE OVER LOCATION OF ONE THERMOSTAT AND REUSE SECOND LOCATION FOR REPLACEMENT SPACE TEMPERATURE SENSOR AS SHOWN ON DRAWING MS M-112. 9 DISCONNECT AND REMOVE GREASE HOOD EXHAUST FAN EF-3 PNEUMATIC OPERATOR DIAL AT LOCATION SHOWN INCLUDING ASSOCIATED PNEUMATIC TUBING. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE STAINLESS STEEL COVER PLATE OVER LOCATION OF REMOVED PNEUMATIC OPERATOR DIAL. (10) DISCONNECT AND REMOVE HORIZONTAL PIPING ENCLOSURE UNITS AT LOCATIONS SHOWN INCLUDING ASSOCIATED HWS/HWR BRANCH PIPING WITHIN FIN TUBE ENCLOSURE SYSTEM BETWEEN DISCONNECTION POINTS SHOWN. DISCONNECT AND REMOVE HWR PIPING TO BOTTOM OF RISER TO FLOOR LEVEL AND CAP AT DISCONNECTION POINT. DISCONNECT AND REMOVE HWS/R PIPING ROUTED WITHIN HORIZONTAL ENCLOSURE SYSTEMS TO WALL PENETRATION POINT BETWEEN STORAGE 123 AND CLASSROOM 114, AND CAP HWS/R PIPING AT WALL PENETRATION. (11) DISCONNECT AND REMOVE 1" HWS/R PIPING TO BOTTOM OF HWS/R RISERS AND CAP AT DISCONNECTION POINTS SHOWN. (12) DISCONNECT AND REMOVE HWS BRANCH PIPING TO DISCONNECTION POINT SHOWN JUST UPSTREAM OF PENETRATION INTO VERTICAL PIPING CHASE. (13) DISCONNECT AND REMOVE HWR BRANCH PIPING TO DISCONNECTION POINT SHOWN JUST UPSTREAM OF PENETRATION INTO VERTICAL PIPING CHASE. - 1-1/4" HWS/R DOWN TO 5TH GRADE CLASSROOM TYPICAL 58"x12" UV OA LOUVER -SP.ED. REL. SERVICE 2 1/2" HWS---1 STAGE 111 MULTIPURPOSE / CAFETERIA 108 FABRICATION CLASSROOM DOWN TO FLOOR LEVEL 5TH GRADE CLASSEROOM 116.5 110 1-1/4" HWS UP TO SECOND FLOOR — 1-1/4" HWS DOWN TO FLOOR LEVEL - 1-1/4" HWR UP TO SECOND FLOOR 44"x20" SA-- 1-1/2" HWR DOWN TO FLOOR LEVEL ^{_}2" HWR 1 1/4" HWS-VIDEO PRODUCTION-110A CLASSROOM 5TH GRADE CLASSROOM 114.5 RECEIVING CUSTODIAL 119 5TH GRADE CLASSROOM 48"x24" CAFETERIA SP.ED. CLASSROOM 48"x18" GREASE HOOD EA UP —— CLASSROOM SHEETROCK PIPING CHASE RECESSED CABINET UNIT HEATER ~1 1/4" HWS 🔏 1-1/4" HWR DOWN TO FLOOR LEVEL ——— 1" HWR DOWN TO FLOOR — 1-1/4" HWS DOWN
TO FLOOR

1" HWS UP TO
SECOND FLOOR — 1" HWR UP TO - 1" HWS DOWN TO FLOOR FIN TUBE
ENCLOSURE SECOND FLOOR 1" HWS UP — PARTIAL FIRST FLOOR REMOVALS - SOUTHEAST SHEET NUMBER: PROJECT NUMBER: 2111002.00 COPYRIGHT © 2014 KSQ ARCHITECTS, PC 7/11/2023 3:23:08 PM

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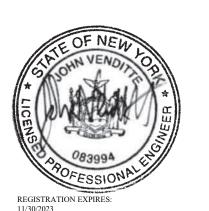
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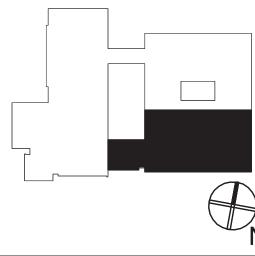


NUFSD BOND **PROJECTS** PH3

☐ SED#50-01-08-03-0-003-035 (HIGH SCH00L)
■ SED#50-01-08-03-0-004-020 (BARR MIDDLE SCH00L)

High School 103 Church St. Nanuet, NY 10954

Barr Middle School 50 Blauvelt Rd #1 Nanuet, NY 10954



REVISIONS BID ADDENDUM #6

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023 **SCALE:** 1/8" = 1'-0"

SHEET NAME: PARTIAL FIRST FLOOR **REMOVALS** -SOUTHEAST

ARCHITECT $\overline{}$ GENERAL NOTES: KEYED NOTES: DISCONNECT AND REMOVE BASEMENT AIR HANDLING UNIT S-8 PENUMATIC OPERATOR DIAL AT LOCATION SHOWN INCLUDING ASSOCIATED PNEUMATIC TUBING. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE STAINLESS STEEL COVER PLATE OVER LOCATION OF REMOVED REGARDING PNEUMATIC CONTROL SYSTEM REMOVAL WORK: CAP OPEN/OBSOLETE PNEUMATIC TUBING AT ALL LOCATIONS. REMOVE OBSOLETE/DISCONNECTED PNEUMATIC TUBING WHERE EXPOSED TO VIEW. ABANDON IN-PLACE PNEUMATIC TUBING THAT IS CONCEALED OR IN OTHERWISE INACCESSIBLE AREAS. DISCONNECT AND REMOVE BASEMENT AIR HANDLING UNIT S-7 PENUMATIC OPERATOR DIAL AT LOCATION SHOWN INCLUDING ASSOCIATED PNEUMATIC TURING REMOVE PNEUMATIC TURING BACK TO PNEUMATIC DIRING MAIN AND CAR PROVIDE STAIN FOR STEEL ASSOCIATED PNEUMATIC DIRING MAIN AND CAR PROVIDE STAIN FOR STEEL ASSOCIATED PNEUMATIC NEW YORK OKLAHOMA TUBING. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE STAINLESS STEEL COVER PLATE OVER LOCATION OF REMOVED PNEUMATIC OPERATOR DIAL. KSQ Design ① DISCONNECT AND REMOVE BASEMENT AIR HANDLING UNIT S-6 PENUMATIC OPERATOR DIAL AT LOCATION SHOWN INCLUDING ASSOCIATED PNEUMATIC TUBING. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE STAINLESS STEEL COVER PLATE OVER LOCATION OF REMOVED 215 W 40th Street 15th Floor New York, NY 10018 646.435.0660 office www.ksq.design Owner 845.627.9880 office http://www.nanuetsd.org/ Structural Engineer 160 Partition Street Saugerties, NY 12477 845.943.9601 www.clapperstructural.com MEP Engineer Albany NY 12203 518.453.6091 office 518.453.6092 fax 16"x16" EA UP TO EF-22 ON ROOF www.sagellp.com Environmental Engineer CUH-A 1376 Route 9 **BOYS LOCKER** ROOM 845.298.6251 www.qualityenv.com Construction Manager _____ 20"x20" EA UP TO One Penn Plaza EF-21 ON ROOF — 54th Floor, Suite 5420 New York, NY 10119 646.908.6550 www.jacobs.com - 1-1/4" HWS/R DOWN TO BASEMENT SECURE VESTIBULE— 100A __4" HWS ^{_}4" HWR ENTRY VESTIBULE C107 5 / 6 GRADES GYMNASIUM 1-1/4" HWS/R DOWN TO BASEMENT GIRLS LOCKER 16"x16" EA UP TO EF-20 ON ROOF 20"x20" EA UP TO EF-19 ON ROOF — **DATE:** 06/06/2023 **SCALE:** 1/8" = 1'-0" SHEET NAME: REMOVALS - NORTHWEST SHEET NUMBER: PARTIAL FIRST FLOOR REMOVALS - NORTHWEST

1/8" = 1'-0" BM-M106 PROJECT NUMBER: 2111002.00 COPYRIGHT © 2014 KSQ ARCHITECTS, PC 7/11/2023 3:23:10 PM

Nanuet Union Free School District 103 Church St, Nanuet, NY 10954

Clapper Structural Engineering

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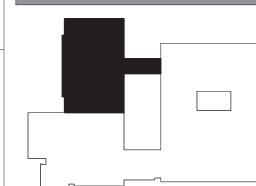


NUFSD BOND PROJECTS PH3

☐ SED#50-01-08-03-0-003-035 (HIGH SCH00L)
■ SED#50-01-08-03-0-004-020 (BARR MIDDLE SCH00L)

High School 103 Church St. Nanuet, NY 10954

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1 BID ADDENDUM #6

ISSUED: BID SET ISSUANCE

PARTIAL FIRST FLOOR

GENERAL NOTES: REGARDING PNEUMATIC CONTROL SYSTEM REMOVAL WORK: CAP OPEN/OBSOLETE PNEUMATIC TUBING AT ALL LOCATIONS. REMOVE OBSOLETE/DISCONNECTED PNEUMATIC TUBING WHERE EXPOSED TO VIEW. ABANDON IN-PLACE PNEUMATIC TUBING THAT IS CONCEALED OR IN OTHERWISE INACCESSIBLE AREAS.

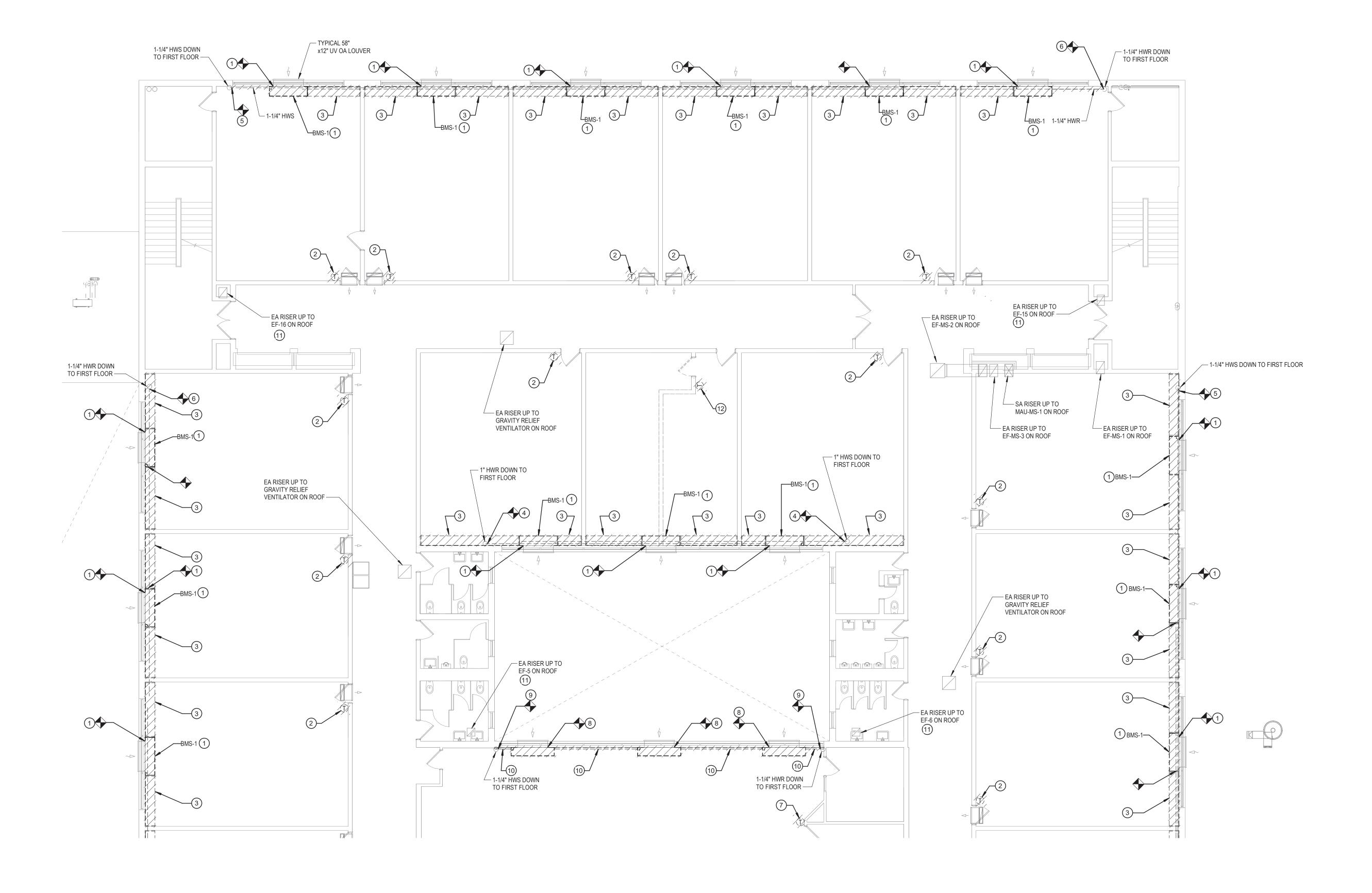
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- DISCONNECT AND REMOVE FLOOR MOUNTED UNIT VENTILATOR AT LOCATION SHOWN. DISCONNECT OUTSIDE AIR DUCT SLEEVE FROM REMOVED UNIT VENTILATOR AND MAINTAIN OUTSIDE AIR DUCT SLEEVE CONNECTED TO EXTERIOR OUTSIDE AIR LOUVER. DISCONNECT AND REMOVE HWS/HWR BRANCH PIPING TO REMOVED UNIT VENTILATOR HEATING COIL. DISCONNECT AND REMOVE HEATING COIL CONTROL VALVE, DAMPERS AND ALL ASSOCIATED UNIT VENTILATOR CONTROL WIRING, DDC CONTROLLER, SENSORS, RELAYS, GRAPHICS, PROGRAMMING, SEQUENCES OF OPERATIONS AND ASSOCIATED CONTROL DEVICES.

- DISCONNECT AND REMOVE 1" HWS/HWR PIPING ROUTED WITHIN PIPING TUNNEL BEHIND UNIT VENTILATORS AND CABINET SHELVING SYSTEMS BACK TO DISCONNECTION POINTS SHOWN AT POINT OF RISER PENETRATION THROUGH FLOOR AND CAP.

- PENETRATION AND CAP ABOVE FLOOR.
- DISCONNECT AND REMOVE FLOOR MOUNTED UNIT VENTILATOR AT LOCATION SHOWN. DISCONNECT AND REMOVE OUTSIDE AIR DUCT SLEEVE FROM REMOVED DISCONNECT AND REMOVE FLOOR MOUNTED UNIT VENTILATOR AT LOCATION SHOWN. DISCONNECT AND REMOVE OUTSIDE AIR DOCT SLEEVE FROM REMOVED UNIT VENTILATOR CONNECTED TO EXTERIOR OUTSIDE AIR LOUVER. PROVIDE A 1" THICK, ALUMINUM FACED GLASS FIBER BOARD PANEL OVER THE INTERIOR FACE

- DISCONNECT AND REMOVE PNEUMATIC DAMPER, SENSORS AND RELAYS FROM EA RISER UP TO ROOFTOP EXHAUST FAN. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE SHEETMETAL SLEEVE AT LOCATION OF REMOVED DAMPER TO MAINTAIN SEALED FA DISEBULE TUROUGH POOF PNEUMATIC PIPING MAIN AND CAP. PROVIDE SHEETMETAL SLEEVE AT LOCATION OF REMOVED DAMPER TO MAINTAIN SEALED EA RISER UP THROUGH ROOF



PARTIAL SECOND FLOOR REMOVALS -

NORTHEAST

7/11/2023 3:23:12 PM

KEYED NOTES:

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Sage Engineering Associates, LLP

DISCONNECT AND REMOVE SPACE TEMPERATURE SENSOR AT LOATION SHOWN. DISCONNECT AND REMOVE DDC PROGRAMMING FROM REMOVED UNIT VENTILATOR IN SPACE. REMOVE CONTROL WIRING BETWEEN UNIT VENTILATOR DDC CONTROLLER AND SPACE SENSOR.

3 DISCONNECT AND REMOVE PERIMETER SHELVING/CABINET UNITS AT LOCATION SHOWN AND FIN TUBE RADIATION LOCATED WITHIN PIPING TUNNEL AT REAR OF SHELVING SYSTEM.

DISCONNECT AND REMOVE HWS/HWR ROUTED BEHIND REMOVE UNIT VENTILATORS AND CABINET SHELVING SYSTEMS. REMOVE HWS BACK TO FLOOR PENETRATION AND CAP AROVE FLOOR PENETRATION AND CAP ABOVE FLOOR.

6 DISCONNECT AND REMOVE HWS/HWR ROUTED BEHIND REMOVE UNIT VENTILATORS AND CABINET SHELVING SYSTEMS. REMOVE HWR BACK TO FLOOR

DISCONNECT AND REMOVE TEMPERATURE SENSOR AT LOCATION SHOWN. DISCONNECT AND REMOVE DDC PROGRAMMING FROM REMOVED UNIT VENTILATORS IN SPACE. REMOVE CONTROL WIRING BETWEEN REMOVED UNIT VENTILATOR DDC CONTROLLER AND SPACE SENSOR.

OF THE EXTERIOR OPENING. DISCONNECT AND REMOVE HWS/HWR BRANCH PIPING TO REMOVED UNIT VENTILATOR HEATING COIL. DISCONNECT AND REMOVE HEATING COIL CONTROL VALVE, DAMPERS AND ALL ASSOCIATED UNIT VENTILATOR CONTROL WIRING, SENSORS, RELAYS AND CONTROL DEVICES.

9 DISCONNECT AND REMOVE 1-1/4" HWS/HWR PIPING LOCATED BETWEEN RISERS TO DISCONNECTION POINTS SHOWN ABOVE FLOOR PENETRATIONS AND CAP.

DISCONNECT AND REMOVE HORIZONTAL PIPING ENCLOSURES BETWEEN REMOVED UNIT VENTILATORS AT LOCATIONS SHOWN INCLUDING ASSOCIATED HWS/R PIPING ROUTED WITHIN THE ENCLOSURE UNITS PIPING ROUTED WITHIN THE ENCLOSURE UNITS.

PENETRATION.

DISCONNECT AND REMOVE SPACE TEMPERATURE SENSOR AT LOATION SHOWN. DISCONNECT AND REMOVE DDC PROGRAMMING FROM REMOVED UNIT VENTILATOR IN SPACE. REMOVE CONTROL WIRING BETWEEN REMOVED UNIT VENTILATOR DDC CONTROLLER AND SPACE SENSOR.

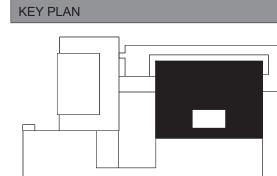
NUFSD BOND **PROJECTS**

☐ SED#50-01-08-03-0-003-035 (HIGH SCH00L)
■ SED#50-01-08-03-0-004-020 (BARR MIDDLE SCH00L)

High School 103 Church St. Nanuet, NY 10954

PH3

Barr Middle School 50 Blauvelt Rd #1 Nanuet, NY 10954



BID ADDENDUM #6

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023 **SCALE:** 1/8" = 1'-0"

SHEET NAME: PARTIAL SECOND FLOOR **REMOVALS** -NORTHEAST

SHEET NUMBER: BM-M107

ARCHITECT $\overline{}$ GENERAL NOTES: KEYED NOTES: DISCONNECT AND REMOVE FLOOR MOUNTED UNIT VENTILATOR AT LOCATION SHOWN. DISCONNECT OUTSIDE AIR DUCT SLEEVE FROM REMOVED UNIT VENTILATOR AND MAINTAIN OUTSIDE AIR DUCT SLEEVE CONNECTED TO EXTERIOR OUTSIDE AIR LOUVER. DISCONNECT AND REMOVE HWS/HWR BRANCH 1. REGARDING PNEUMATIC CONTROL SYSTEM REMOVAL WORK: CAP OPEN/OBSOLETE PNEUMATIC TUBING AT ALL LOCATIONS. REMOVE OBSOLETE/DISCONNECTED PNEUMATIC TUBING WHERE EXPOSED TO VIEW. ABANDON IN-PLACE PNEUMATIC TUBING THAT IS CONCEALED OR IN OTHERWISE INACCESSIBLE AREAS. PIPING TO REMOVED UNIT VENTILATOR HEATING COIL. DISCONNECT AND REMOVE HEATING COIL CONTROL VALVE, DAMPERS AND ALL ASSOCIATED UNIT VENTILATOR CONTROL WIRING, DDC CONTROLLER, SENSORS, RELAYS, GRAPHICS, PROGRAMMING, SEQUENCES OF OPERATIONS AND ASSOCIATED 2 DISCONNECT AND REMOVE SPACE TEMPERATURE SENSOR AT LOATION SHOWN. DISCONNECT AND REMOVE DDC PROGRAMMING FROM REMOVED UNIT VENTILATOR IN SPACE. REMOVE CONTROL WIRING BETWEEN UNIT VENTILATOR DDC CONTROLLER AND SPACE SENSOR. DISCONNECT AND REMOVE PERIMETER SHELVING/CABINET UNITS AT LOCATION SHOWN AND FIN TUBE RADIATION LOCATED WITHIN PIPING TUNNEL AT REAR OF SHELVING SYSTEM. www.ksq.design DISCONNECT AND REMOVE HWS/HWR ROUTED BEHIND REMOVE UNIT VENTILATORS AND CABINET SHELVING SYSTEMS. REMOVE HWS BACK TO FLOOR PENETRATION AND CAP ABOVE FLOOR. DISCONNECT AND REMOVE ABANDONED EXHAUST AIR DUCTWORK AT LOCATION SHOWN. DISCONNECT AND REMOVE PNEUMATIC DAMPER, SENSORS AND RELAYS FROM 16"x16" ABANDONED EA RISER. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. 6) DISCONNECT AND REMOVE HORIZONTAL PIPING ENCLOSURE UNITS AT LOCATIONS SHOWN. DISCONNECT AND REMOVE EA BRANCH AND ASSOCIATED EA REGISTER SERVING COMPUTER SERVER ROOM BACK TO DISCONNECTION POINT SHOWN AND CAP. SERVER ROOM VENTILATION SHALL BE PROVIDED BY DEDICATED SERVER ROOM ROOFTOP EXHAUST FAN. http://www.nanuetsd.org/ DISCONNECT AND REMOVE PNEUMATIC DAMPER, SENSORS AND RELAYS FROM EA RISER UP TO EF-8 ON ROOF. DISCONNECT AND REMOVE EF-8 PENUMATIC OPERATOR DIAL AT LOCATION SHOWN INCLUDING ASSOCIATED PNEUMATIC TUBING. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE STAINLESS STEEL COVER PLATE OVER LOCATION OF REMOVED PNEUMATIC OPERATOR DIAL. PROVIDE SHEETMETAL SLEEVE AT LOCATION OF REMOVED DAMPER TO MAINTAIN SEALED EA RISER UP THROUGH ROOF PENETRATION. DISCONNECT AND REMOVE PNEUMATIC DAMPER, SENSORS AND RELAYS FROM EA RISER UP TO EF-10 ON ROOF. DISCONNECT AND REMOVE EF-8 PENUMATIC OPERATOR DIAL AT LOCATION SHOWN INCLUDING ASSOCIATED PNEUMATIC TUBING. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE STAINLESS STEEL COVER PLATE OVER LOCATION OF REMOVED PNEUMATIC OPERATOR DIAL. PROVIDE SHEETMETAL SLEEVE AT LOCATION OF REMOVED DAMPER TO MAINTAIN SEALED EA RISER UP THROUGH ROOF PENETRATION. DISCONNECT AND REMOVE PNEUMATIC DAMPER, SENSORS AND RELAYS FROM EA RISER UP TO ROOFTOP EXHAUST FAN. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE SHEETMETAL SLEEVE AT LOCATION OF REMOVED DAMPER TO MAINTAIN SEALED EA RISER UP THROUGH ROOF PENETRATION. DISCONNECT AND REMOVE HWS/HWR ROUTED BEHIND REMOVE UNIT VENTILATORS AND CABINET SHELVING SYSTEMS. REMOVE HWR BACK TO FLOOR PENETRATION AND CAP ABOVE FLOOR. www.jacobs.com 110J SMALL INST. RM 241D 7TH GRADE CLASSROOM — EA RISER UP TO GRAVITY RELIEF VENTILATOR ON ROOF 218 EA RISER UP TO
GRAVITY RELIEF
VENTILATOR ON ROOF SMALL INST. RM 241C PRINT/COPY AREA 241B TYPICAL 58"x12" UV OA LOUVER — 7TH GRADE CLASSROOM 220 CLASSROOM 26"x26" EA UP TO EF-10 ON ROOF 1-1/4" HWS DOWN — ___ 12"x18" EA DOWN 1-1/4" HWR DOWN TO FIRST FLOOR —18"x12" EA /--18"x12" EA ⊢ EA RISER UP TO 16"x16"— [`]—18"x12" EA SERVER ROOM EXHAUST FAN ON ROOF — 18"x18" EA UP TO EF-11 ON ROOF EA UP TO BOYS TOILET EF-7 ON ROOF — COMP. SERVER ── 26"x26" EA UP TO EF-8 ON ROOF EA RISER UP TO
ABANDONED
EF-2 ON ROOF 8TH GRADE CLASSROOM - SERVER ROOM EXHAUST FAN THERMOSTAT EF-1 ON ROOF COMPUTER CLASSROOM SCIENCE LAB SCIENCE LAB SCIENCE LAB EA RISER UP TO ----- 15"x15" EA UP TO EF-4 ON ROOF KITCHEN HOOD EF-3 ON ROOF BMS-21 BMS-2 1 __BMS-2 1 1" HWR DOWN TO FIRST FLOOR 1" HWS DOWN TO FIRST FLOOR PARTIAL SECOND FLOOR REMOVALS -SOUTHEAST SHEET NUMBER: PROJECT NUMBER: 2111002.00 COPYRIGHT © 2014 KSQ ARCHITECTS, PC 7/11/2023 3:23:14 PM

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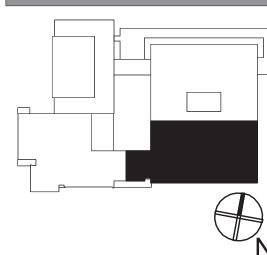


NUFSD BOND **PROJECTS** PH3

☐ SED#50-01-08-03-0-003-035 (HIGH SCH00L)
■ SED#50-01-08-03-0-004-020 (BARR MIDDLE SCH00L)

High School 103 Church St. Nanuet, NY 10954

Barr Middle School 50 Blauvelt Rd #1 Nanuet, NY 10954

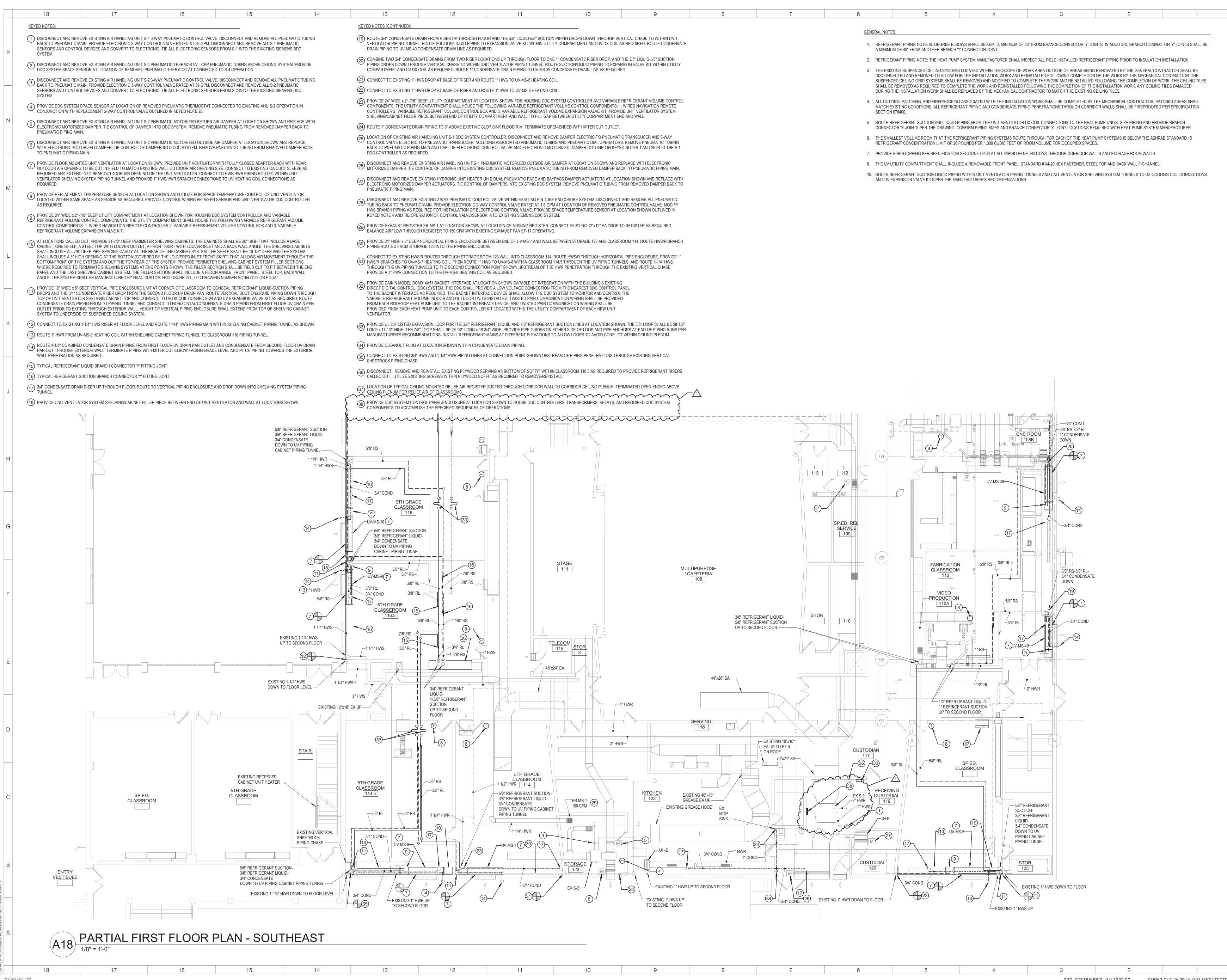


BID ADDENDUM #6

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023 **SCALE:** 1/8" = 1'-0"

SHEET NAME: PARTIAL SECOND FLOOR REMOVALS -SOUTHEAST



NEW YORK OKLAHOMA

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NUFSD BOND **PROJECTS** PH3

☐ SED#50-01-08-03-0-003-035 (HIGH SCHOOL) ■ SED#50-01-08-03-0-004-020 (BARR MIDDLE SCHOOL)

> High School 103 Church St Nanuet, NY 10954

Barr Middle School 50 Blauvelt Rd #1 Nanuet, NY 10954

REVISIONS BID ADDENDUM #6

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023 **SCALE:** 1/8" = 1'-0"

SHEET NAME: PARTIAL FIRST FLOOR PLAN - SOUTHEAST

SHEET NUMBER: BM-M112

KEYED NOTES: **GENERAL NOTES:** 1) PROVIDE FLOOR MOUNTED UNIT VENTILATOR AT LOCATION SHOWN. PROVIDE UNIT VENTILATOR WITH FULLY CLOSED ADAPTER-BACK WITH REAR OUTDOOR AIR OPENING TO BE 1. REFRIGERANT PIPING NOTE: 90 DEGREE ELBOWS SHALL BE KEPT A MINIMUM OF 20" FROM BRANCH CONNECTOR 'Y' JOINTS. IN ADDITION, BRANCH CONNECTOR 'Y' JOINTS SHALL BE CUT IN FIELD TO MATCH EXISTING WALL OUTDOOR AIR OPENING SIZE. CONNECT TO EXISTING OA DUCT SLEEVE AS REQUIRED AND EXTEND INTO REAR OUTDOOR AIR OPENING A MINIMUM OF 40" FROM ANOTHER BRANCH 'Y' CONNECTOR JOINT. ON THE UNIT VENTILATOR. CONNECT TO HWS/HWR PIPING ROUTED WITHIN UNIT VENTILATOR SHELVING SYSTEM PIPING TUNNEL AND PROVIDE 1" HWS/HWR BRANCH CONNECTIONS TO UV HEATING COIL CONNECTIONS AS REQUIRED. 2. REFRIGERANT PIPING NOTE: THE HEAT PUMP SYSTEM MANUFACTURER SHALL INSPECT ALL FIELD INSTALLED REFRIGERANT PIPING PRIOR TO INSULATION INSTALLATION. 2 PROVIDE REPLACEMENT TEMPERATURE SENSOR AT LOCATION SHOWN AND UTILIZE FOR SPACE TEMPERATURE CONTROL OF UNIT VENTILATOR AS REQUIRED. PROVIDE 3. THE EXISTING SUSPENDED CEILING SYSTEMS LOCATED WITHIN THE SCOPE OF WORK AREA OUTSIDE OF AREAS BEING RENOVATED BY THE GENERAL CONTRACTOR SHALL BE CONTROL WIRING BETWEEN SENSOR AND UNIT VENTILATOR DDC CONTROLLER AS REQUIRED. DISCONNECTED AND REMOVED TO ALLOW FOR THE INSTALLATION WORK AND REINSTALLED FOLLOWING COMPLETION OF THE WORK BY THE MECHANICAL CONTRACTOR. THE SUSPENDED CEILING GRID SYSTEMS SHALL BE REMOVED AND MODIFIED TO COMPLETE THE WORK AND REINSTALLED FOLLOWING THE COMPLETION OF WORK. THE CEILING TILES SHALL BE REMOVED AS REQUIRED TO COMPLETE THE WORK AND REINSTALLED FOLLOWING THE COMPLETION OF THE INSTALLATION WORK. ANY CEILING TILES DAMAGED PROVIDE 24" WIDE x 21-7/8" DEEP UTILITY COMPARTMENT AT LOCATION SHOWN FOR HOUSING DDC SYSTEM CONTROLLER AND VARIABLE REFRIGERANT VOLUME CONTROL COMPONENTS. THE UTILITY COMPARTMENT SHALL HOUSE THE FOLLOWING VARIABLE REFRIGERANT VOLUME CONTROL COMPONENTS: 1. WIRED NAVIGATION REMOTE DURING THE INSTALLATION WORK SHALL BE REPLACED BY THE MECHANICAL CONTRACTOR TO MATCH THE EXISTING CEILING TILES. CONTROLLER 2. VARIABLE REFRIGERANT VOLUME CONTROL BOX AND 3. VARIABLE REFRIGERANT VOLUME EXPANSION VALVE KIT. 4. ALL CUTTING, PATCHING, AND FIREPROOFING ASSOCIATED WITH THE INSTALLATION WORK SHALL BE COMPLETED BY THE MECHANICAL CONTRACTOR. PATCHED AREAS SHALL 4 AT LOCATIONS CALLED OUT, PROVIDE 21-7/8" DEEP PERIMETER SHELVING CABINETS. THE CABINETS SHALL BE 30" HIGH THAT INCLUDE A BASE CABINET, ONE SHELF, A STEEL TOP WITH LOUVER OUTLET, A FRONT SKIRT WITH LOUVER INLET AND A BACK WALL ANGLE. THE SHELVING CABINETS SHALL INCLUDE A 5-7/8" DEEP PIPE SPACING CAVITY AT THE REAR MATCH EXISTING CONDITIONS. ALL REFRIGERANT PIPING AND CONDENSATE PIPING PENETRATIONS THROUGH CORRIDOR WALLS SHALL BE FIREPROOFED PER SPECIFICATION SECTION 078400. OF THE CABINET SYSTEM. THE SHELF SHALL BE 10-1/2" DEEP AND THE SYSTEM SHALL INCLUDE A 3" HIGH OPENING AT THE BOTTOM (COVERED BY THE LOUVERED INLET FRONT SKIRT) THAT ALLOWS AIR MOVEMENT THROUGH THE BOTTOM-FRONT OF THE SYSTEM AND OUT THE TOP-REAR OF THE SYSTEM. PROVIDE PERIMETER SHELVING CABINET 5. ROUTE REFRIGERANT SUCTION AND LIQUID PIPING FROM THE UNIT VENTILATOR DX COIL CONNECTIONS TO THE HEAT PUMP UNITS, SIZE PIPING AND PROVIDE BRANCH SYSTEM FILLER SECTIONS WHERE REQUIRED TO TERMINATE SHELVING SYSTEMS AT END POINTS SHOWN. THE FILLER SECTION SHALL BE FIELD CUT TO FIT BETWEEN THE END CONNECTOR 'Y' JOINTS PER THE DRAWING. CONFIRM PIPING SIZES AND BRANCH CONNECTOR 'Y' JOINT LOCATIONS REQUIRED WITH HEAT PUMP SYSTEM MANUFACTURER. PANEL AND THE LAST SHELVING CABINET SYSTEM. THE FILLER SECTION SHALL INCLUDE A FLOOR ANGLE, FRONT PANEL, STEEL TOP, BACK WALL ANGLE. THE SYSTEM SHALL BE 6. ROUTE REFRIGERANT PIPING THROUGH THE ROOF TO THE ROOF MOUNTED HEAT PUMP SYSTEMS. PROVIDE A PIPE CURB AND SIDE REFRIGERANT PIPIPNG OUTLET PORTAL AT MANUFACTURED BY HVAC CUSTOM ENCLOSURE CO.; LLC DRAWING NUMBER SC164-0028 OR EQUAL. PROVIDE END CAPS ON SHELVING CABINETS WHERE SYSTEMS TERMINATE SHORT OF A WALL SYSTEM AND CONNECT TO A HORIZONTAL PIPING ENCLOSURE SYSTEM. THE ROOF PENETRATION OF EACH HEAT PUMP SYSTEM. 🥽 PROVIDE 12" WIDE x 8" DEEP VERTICAL PIPE ENCLOSURE UNIT AT CORNER OF CLASSROOM TO CONCEAL REFRIGERANT LIQUID-SUCTION PIPING DROPS. ROUTE VERTICAL PIPING 7. THE SMALLEST VOLUME ROOM THAT THE REFRIGERANT PIPING SYSTEMS ROUTE THROUGH FOR EACH OF THE HEAT PUMP SYSTEMS IS BELOW THE ASHRAE STANDARD 15 🕘 DOWN THROUGH TOP OF UNIT VENTILATOR SHELVING CABINET TOP AND CONNECT TO UV DX COIL CONNECTION AND UV EXPANSION VALVE KIT AS REQUIRED. HEIGHT OF REFRIGERANT CONCENTRATION LIMIT OF 26 POUNDS PER 1,000 CUBIC FEET OF ROOM VOLUME FOR OCCUPIED SPACES. VERTICAL PIPING ENCLOSURE SHALL EXTEND FROM TOP OF SHELVING CABINET SYSTEM TO UNDERSIDE OF SUSPENDED CEILING SYSTEM. 8. PROVIDE FIRESTOPPING PER SPECIFICATION SECTION 078400 AT ALL PIPING PENETRATIONS THROUGH CORRIDOR WALLS AND STORAGE ROOM WALLS. (6) CONNECT TO EXISTING 1-1/4" HWS RISER ABOVE FLOOR PENETRATION LOCATION AND ROUTE 1-1/4" HWS PIPING MAIN WITHIN SHELVING CABINET PIPING TUNNEL AS SHOWN. 9. THE UV UTILITY COMPARTMENT SHALL INCLUDE A REMOVABLE FRONT PANEL, STANDARD #1/4-20 HEX FASTENER, STEEL TOP AND BACK WALL F-CHANNEL. (7) ROUTE 1" HWR FROM UV-MS-33 HEATING COIL WITHIN SHELVING CABINET PIPING TUNNEL TO CLASSROOM 234 PIPING TUNNEL. 10. ROUTE REFRIGERANT SUCTION-LIQUID PIPING WITHIN UNIT VENTILATOR PIPING TUNNELS AND UNIT VENTILATOR SHELVING SYSTEM TUNNELS TO DX COOLING COIL CONNECTIONS CONNECT TO EXISTING 1-1/4" HWR RISER ABOVE FLOOR PENETRATION AND ROUTE 1-1/4" HWR PIPING WITHIN UV AND UV SHELVING CABINET SYSTEM PIPING TUNNELS. PROVIDE AND UV EXPANSION VALVE KITS PER THE MANUFACTURER'S RECOMMENDATIONS. 1" HWR BRANCHES TO UV HEATING COILS AT EACH UV LOCATION. PROVIDE 1" HWS CONNECTION TO EACH UV HEATING COIL AND ROUTE HWS PIPING WITHIN UV AND UV SHELVING CABINET SYSTEM PIPING TUNNEL AS SHOWN. (9) ROUTE 3/4" CONDENSATE DRAIN PIPING FROM UV DRAIN PAN OUTLET DOWN THROUGH FLOOR TO FIRST FLOOR CEILING PLENUM. (10) TYPICAL REFRIGERANT LIQUID BRANCH CONNECTOR 'Y' FITTING JOINT. (11) TYPICAL RERIGERANT SUCTION BRANCH CONNECTOR 'Y' FITTING JOINT. (12) CONNECT TO EXISTING 1" HWS RISER ABOVE FLOOR PENETRATION LOCATION AND ROUTE 1" HWS PIPING MAIN WITHIN SHELVING CABINET PIPING TUNNEL AS SHOWN. PROVIDE 8" WIDE x 8" DEEP VERTICAL PIPE ENCLOSURE UNIT AT CORNER OF CLASSROOM TO CONCEAL REFRIGERANT LIQUID-SUCTION PIPING DROPS. ROUTE VERTICAL PIPING DOWN THROUGH TOP OF UNIT VENTILATOR SHELVING CABINET TOP AND CONNECT TO UV DX COIL CONNECTION AND UV EXPANSION VALVE KIT AS REQUIRED. HEIGHT OF VERTICAL PIPING ENCLOSURE SHALL EXTEND FROM TOP OF SHELVING CABINET SYSTEM TO UNDERSIDE OF SUSPENDED CEILING SYSTEM. CONNECT TO EXISTING 1" HWR RISER ABOVE FLOOR PENETRATION AND ROUTE 1" HWR PIPING WITHIN UV AND UV SHELVING CABINET SYSTEM PIPING TUNNELS. PROVIDE 1" HWR BRANCHES TO UV HEATING COILS AT EACH UV LOCATION. PROVIDE 1" HWS CONNECTION TO EACH UV HEATING COIL AND ROUTE HWS PIPING WITHIN UV AND UV SHELVING CABINET SYSTEM PIPING TUNNEL AS SHOWN. PROVIDE 1" EXPANSION COMPENSATORS ON THE HWS/HWR PIPING MAINS ROUTED WITHIN THE UNIT VENTILATOR PIPING TUNNEL AT LOCATION SHOWN. THE COMPENSATORS 15) SHALL BE 12.5" LONG. PROVIDE ANCHORS ON EACH END OF BOTH THE HWS/R RUNS AND PROVIDE PIPE GUIDES WITHIN 14 PIPE DIAMETERS OF THE COMPENSATORS ON BOTH THE PROVIDE 5" DEEP x 24" HIGH HORIZONTAL PIPING ENCLOSURE UNITS AT LOCATIONS SHOWN TO CONCEAL PIPING ROUTED TO UNIT VENTILATORS. ALIGN TOP OF ENCLOSURE UNITS WITH TOP OF UNIT VENTILATOR CABINETS. > PROVIDE MOTORIZED DAMPER WITHIN EXISTING EA DUCT RISER. MODIFY EA RISER AS REQUIRED FOR DAMPER INSTALLATION. TIE CONTROL OF DAMPER TO OPERATION OF PROVIDE MOTORIZED DAMPER WITHIN EXISTING EA DUCT RISER. MODIFY EA RISER AS REQUIRED FOR DAMPER INSTALLATION. TIE CONTROL OF DAMPER TO OPERATION OF ROOFTOP EXHAUST FAN CONNECTED TO EA RISER. PROVIDE CONTROL RELAY TO EXISTING EXHAUST FAN AND TIE OPERATION OF EXHAUST FAN TO DDC SYSTEM. 19 DISCONNECT AND REMOVE EXISTING 2-WAY PNEUMATIC CONTROL VALVE WITHIN EXISTING FIN TUBE ENLCOSURE SYSTEM. DISCONNECT AND REMOVE ALL PNEUMATIC TUBING BACK TO PNEUMATIC MAIN. PROVIDE ELECTRONIC 2-WAY CONTROL VALVE RATED AT 1.5 GPM AT LOCATION OF REMOVED PNEUMATIC CONTROL VALVE. MODIFY HWS BRANCH PIPING AS REQUIRED FOR INSTALLATION OF ELECTRONIC CONTROL VALVE. PROVIDE SPACE TEMPERATURE SENSOR AT LOCATION SHOWN AND TIE OPERATION OF CONTROL VALVE/SENSOR INTO EXISTING SIEMENS DDC SYSTEM. PROVIDE UL-207 LISTED EXPANSION LOOP FOR THE 1/2" REFRIGERANT LIQUID AND 1-1/8" REFRIGERANT SUCTION LINES AT LOCATION SHOWN. THE 1/2" LOOP SHALL BE 28-1/2" (20) LONG x 17-1/2" HIGH. THE 1-1/8" LOOP SHALL BE 30" LONG x 23" WIDE. PROVIDE PIPE GUIDES ON EITHER SIDE OF LOOP AND PIPE ANCHORS AT END OF PIPING RUNS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE UL-207 LISTED EXPANSION LOOP FOR THE 3/8" REFRIGERANT LIQUID AND 7/8" REFRIGERANT SUCTION LINES AT LOCATION SHOWN. THE 3/8" LOOP SHALL BE 28-1/2" LONG x 17-1/2" HIGH. THE 7/8" LOOP SHALL BE 28-1/2" LONG x 19-3/4" WIDE. PROVIDE PIPE GUIDES ON EITHER SIDE OF LOOP AND PIPE ANCHORS AT END OF PIPING RUNS PER MANUFACTURER'S RECOMMENDATIONS. DICATION OF TYPICAL CEILING MOUNTED RELIEF AIR REGISTER DUCTED THROUGH CORRIDOR WALL TO CORRIDOR CEILING PLENUM, TERMINATED OPEN-ENDED ABOVE CEILING NOTIFIED DESTREAS CONTROL PANEL/ENCLOSURE AT LOCATION SHOWN TO HOUSE DDC CONTROLLERS. TRANSFORMERS. RELAYS, AND REQUIRED DDC SYSTEM COMPONENTS Manage Ma RM 241D 7TH GRADE CLASSROOM 218 1) UV-MS-26-- EXISTING EA RISER UP TO **GRAVITY RELIEF** VENTILATOR ON ROOF SMALL INST EXISTING EA RISER UP TO GRAVITY RELIEF 241C VENTILATOR ON ROOF 1 1/4" HWR-7)1" HWR— 5/8" REFRIGERANT SUCTION-_______ 3/8" REFRIGERANT LIQUID PRINT/COPY DOWN TO UV PIPING CABINET PIPING TUNNEL 241B (1) UV-MS-27— 5/8" RL-MEDIA ROOM 1" RS-3/4" REFRIGERANT LIQUID-1-3/8" REFRIGERANT SUCTION 5/8" RS r----7TH GRADE - EXISTING 26"x26" EA UP TO (17) - 3/8" REFRIGERANT DOWN TO FIRST FLOOR CEILING -CLASSROOM EF-MS-10 ON ROOF 5/8" REFRIGERANT 3/4" REFRIGERANT LIQUID------SUCTION - 5/8" REFRIGERANT LIQUID-1-3/8" REFRIGERANT SUCTION DOWN TO FIRST FLOOR 1-3/8" REFRIGERANT UP TO HEAT PUMP HP-MS-7 ON ROOF -3/8" RL-SUCTION UP TO HEAT PUMP HP-MS-9 ON ROOF EXISTING 1-1/4" HWS DOWN -- EXISTING 1-1/4" HWR DOWN TO FIRST FLOOR [∠]5/8" RL - 1/2" REFRIGERANT 5/8" REFRIGERANT SUCTION-┌1/2" RL 🖌 —1 3/8" RS 3/8" REFRIGERANT LIQUID 1" REFRIGERANT DOWN TO UV PIPING CABINET PIPING TUNNEL -SUCTION 12"x18" EA DOWN ---DOWN TO FIRST ▎┍X╺╾┈╶┈┈┈┈┈┈┈┈ FLOOR CEILING -------EXISTING EA UP TO 3/4" REFRIGERANT LIQUID-EF-7 ON ROOF ----1-3/8" REFRIGERANT SUCTION UP TO HEAT PUMP HP-MS-8 ON ROOF 1 — EXISTING 18"x18" EA UP TO EF-11 ON ROOF 8TH GRADE — EXISTING 26"x26" EA UP TO (17) - EXISTING EA RISER UP TO CLASSROOM — EXISTING 15"x15" EA UP TO EF-MS-8 ON ROOF EF-MS-23 ON ROOF 242 EF-4 ON ROOF SCIENCE LAB SCIENCE LAB SCIENCE LAB CLASSROOM EXISTING EA RISER SCIENCE LAB KITCHEN HOOD 5/8" RS-EF-3 ON ROOF — - 5/8" REFRIGERANT SUCTION-| **-----**- 5/8" REFRIGERANT SUCTION-3/8" REFRIGERANT LIQUID 3/8" REFRIGERANT LIQUID DOWN TO UV PIPING CABINET DOWN TO UV PIPING CABINET PIPING TUNNFI --UV-MS-30(1) EXISTING 1" HWS DOWN TO FIRST FLOOR - EXISTING 1" HWR DOWN - 5/8" REFRIGERANT SUCTION-L(13) TO FIRST FLOOR 3/8" REFRIGERANT LIQUID TO FIRST FLOOR - 5/8" REFRIGERANT SUCTION-DOWN TO UV PIPING CABINET 3/8" REFRIGERANT LIQUID EXISTING FTR ---PIPING TUNNEL - EXISTING 1" HWS DOWN DOWN TO UV PIPING CABINET TO FIRST FLOOR PIPING TUNNEL PARTIAL SECOND FLOOR PLAN - SOUTHEAST

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NUFSD BOND **PROJECTS**

☐ SED#50-01-08-03-0-003-035 (HIGH SCH00L) ■ SED#50-01-08-03-0-004-020 (BARR MIDDLE SCHOOL)

> High School 103 Church St Nanuet, NY 10954

Barr Middle School 50 Blauvelt Rd #1 Nanuet, NY 10954

BID ADDENDUM #6

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023 **SCALE:** 1/8" = 1'-0"

SHEET NAME: PARTIAL SECOND FLOOR PLAN - SOUTHEAST

SHEET NUMBER: BM-M115