ksqdesign

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BID ADDENDUM #6

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

Nanuet Bond Projects Phase 3

Date: July 12, 2023

NOTICE TO CONTRACTORS

This Addendum issued prior to receipt of Bid shall and does hereby become a part of the Construction Documents for the above project.

All principal Contractors shall be responsible for seeing that their Subcontractors are properly apprised of the contents of this Addendum.

All information contained in this Addendum shall supersede and shall take precedence over any conflicting information in the original Bidding Documents dated **June 6, 2023**. and all previous addenda.

All Contractors shall acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may subject Bidder to disqualification.

CLARIFICATIONS:

1. Who is the Fire alarm vendor for the school district?
   Response: The District will be working with Safe Net.
1. Can you indicate where the chain link fence on sheet BM-A500 is supposed to be installed?
   Response: See drawing BM-A105 for annotated location of proposed chain link fence.
2. Where are we storing the solar panels after removal?
   Response: Refer to the logistics plans specification section 01 11 01 for storage location.
3. The MDP pre-purchased by the school is Siemens, do the rest of the panels we are purchasing need to be manufactured by siemens also, please confirm?
   Response: No, they can be other manufacturer's, per the specs.
4. The specs do not call for a coordination study, can you confirm one is not needed please.?
   Response: A coordination study is not required
5. There is no Insurance certification- no section 00 73 20 in the manual. Also - No new MC-01 bid form was released with Addenda 3, the MC3 unit pricing needs to be deleted. please release new form
   Response: The insurance certification is included on page 256 of the bid spec PDF. An updated MC-01 bid form was included in Addendum #5.

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6. D-3 lighting fixtures shown in the lighting legend on HS-E001 are not depicted in the drawings, are they needed anywhere?
   Response: D3 fixtures are shown on HS-E104 at the awnings.
7. Electrical Alternate #2 is not depicted in the Drawings or Specs, please clarify.
   Response: See revised drawing HS-E103
8. Barr Middle School has an elevator sump pump replacement. It is instructing us to use existing discharge piping for new connection, where is this connection as it doesn't show on drawings?
   Response: The connection is at the location of the pump within the elevator sump.
9. In reference to Contract Summary MC-01, 01 12 05-20, Demolition of systems, specifically, the removal of obsolete pneumatic tubing and control wiring, the contract documents indicate in several areas that obsolete pneumatic tubing and control wiring shall be removed. In most cases the wiring and tubing would be concealed within finished walls, above ceilings, or otherwise in inaccessible areas. Obsolete control wiring could be bundled with other active control wiring or share the same conduits with active control wiring. These circumstances would make removal difficult and very costly.
   a. Regarding Pneumatic control demo: would it be acceptable to cap open/obsolete pneumatic tubing, remove obsolete pneumatic tubing where exposed to view, and abandon in-place pneumatic tubing that is concealed or in otherwise inaccessible areas or above access from a 10 ft ladder height?
      Response: Refer to revised Mechanical drawings BM M104-M108 and HS M103-105 that clarify the pneumatic tubing removal requirements
   b. Regarding electronic control wiring demo: would it be acceptable electrically isolate the wiring on both ends and leave the wiring abandoned in-place when bundled with other active wiring or routed in concealed or in otherwise inaccessible areas or above access from a 10 ft ladder height?
      Response: Contractor to bid a specified.
10. In reference to Contract Summary MC-01, 01 12 05-21, there is a note on the drawings Mechanical Scope of Work that states that the EC will provide 120V power to BAS panels. Can additional BAS panel locations be shown as follows:
    a. Include Installation of new BAS panel and enclosure in basement MER 240, reference HS-M107 (adjacent to AC-1).
       Response: Refer to revised Electrical drawings for the powering of the Siemens requested DDC panels.
    b. Include installation of new BAS panel in 1st floor room near TECH Classroom (across from band room), reference HS-E101, HS-M10
       Response: Refer to revised Electrical drawings for the powering of the Siemens requested DDC panels.
    c. Include Installation of new BAS panel and enclosure for the 1st floor, Room 119, BM-M112.
       Response: Refer to revised Electrical drawings for the powering of the Siemens requested DDC panels.
    d. Include Installation of new BAS panel and enclosure for the 2nd floor, Room 226A (computer server room), BM-M115.
       Response: Refer to revised Electrical drawings for the powering of the Siemens requested DDC panels.

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11. In regard to the asbestos removal in Barr MS there are classrooms where the floor is being removed under the GC removals. There are rooms where there are unit ventilators being removed for replacement and the floor tile removal is under the UV is on the MC contract. To keep it simple can the UVs be removed prior to the GC asbestos removal and combine the removal and new floor install under one contract? This would also include the casework/ shelving.
    R**esponse:** There is no GC flooring abatement in Barr. This is fully by MC. There is only GC flooring abatement in the high school. GC will abate floor in the classrooms in High School classrooms receiving gut renovation. These classrooms are not receiving new UVs in this phase. MC will abate flooring under UVS in all other classrooms. This scope is clearly stated in the contract summaries under drawing assignments.
12. In Barr MS HWS & R pipe running in the vertical pipe enclosures, does this piping contain asbestos?
    Response: There was no pipe insulation called out for the middle school work, as all the mudded fittings that were sampled tested negative and the straight runs observed had fiberglass insulation. At the High School, while no ACM pipe insulation was observed that would be impacted by the scope of work, the drawings call out for the abatement contractor to do limited probes at concealed locations in the scope of work. If the concealed piping is not bare or only fiberglass insulated, it should be assumed to be ACM pipe insulation. ACM pipe insulation was observed in the building outside the scope of work of the project.
13. Please provide a budget number for each trades.
    Response: Budgets will not be issued at this time.
14. Barr MS drawing BM-111 reflected ceiling. In the rooms under contract the ceiling plan legend states area of existing system to remain to be removed/ modified etc.
    What kind of ceiling is existing?
    Response: The existing ceiling system is a suspended ACT grid system.
15. Engineer to clarify which unit ventilator belongs to which outdoor heat pump unit as it is not indicated on the drawing
    Response: Refer to refrigerant piping diagrams and follow pipe routing system outlined from each outdoor heat pump to each indoor unit ventilator to associated which heat pump each unit ventilator is connected to.
16. Be advised that all new roofing insulation is by BE-01 Contractor and not by Tremco. Be-01 is to figure all new roofing insulation in their bid as indicated by the drawings.

CHANGES TO SPECIFICATIONS:

None

REVISIONS TO DRAWINGS:

1. **BM-A121**
    a. Drawing updated approximate wet areas of insulation to be removed.
2. **HS-A121**
    a. Drawing updated approximate wet areas of insulation to be removed.

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ENCLOSURES:

SHEETS

GENERAL	CIVIL	STRUCT	ARCH	MECH	ELEC	PLUMB	ABATEMENT
			BM-A121	BM-M104	BM-E100		
			HS-A121	BM-M105	BM-E102		
				BM-M106	BM-E501		
				BM-M107	HS-E101		
				BM-M108	HS-E103		
				BM-M112			
				BM-M115			
				HS-M101			
				HS-M103			
				HS-M104			
				HS-M105			

END OF BID ADDENDUM No.6

ROOF SCHEDULE

ROOF NAME	EXISTING ROOF COMPOSITION (IF APPLICABLE)	DECK TYPE	FLAT OR SLOPED STRUCTURE	APPROX. SF	DEMOLITION (IF APPLICABLE)	NEW WORK COMPOSITION	COMMENTS
R1	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	2,280	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R2	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	8,800	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO GENERAL NOTE 10. REFER TO NEW WORK ROOF TYPE (A)	APPROX. 5025 SF OF EXISTING PV
R3	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	9,250	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R4	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	600	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R5	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	35,630	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO GENERAL NOTE 10. REFER TO NEW WORK ROOF TYPE (A)	APPROX. 14,640 SF OF EXISTING PV
R6	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	5,780	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R7	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	9,300	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R8	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	6,580	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R9	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	1,430	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R10	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	192	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R11	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	284	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R12	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	32	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-

ROOF SYSTEM TYPES COMPOSITION

EXISTING ROOF SYSTEM TYPES	TYPICAL ROOF TYPE DEMOLITION	NEW WORK ROOF TYPES
EXISTING ROOF TYPE (A) • BUILT-UP ROOFING MEMBRANE (GRANULATED) • 1/2" PERLITE COVER BOARD • TAPERED RIGID POLYISO INSULATION	DEMOLITION ROOF TYPE (A) • REMOVE ALL LOOSE PARTS/DEBRIS DOWN TO EXISTING ROOFING SYSTEM TO REMAIN. • SEE WET AREA NOTE 2	NEW WORK ROOF TYPE (A) • PROVIDE LIQUID APPLIED ROOF COATING SYSTEM ATOP OF THE EXISTING ROOFING SYSTEM. BASIS OF DESIGN: TREMCO ALPHAGUARD BIO RESTORATION SYSTEM. • SEE WET AREA NOTE2 3 & 4
*REFER TO SHEETS MS-A521 FOR ROOF DETAILS		

WET AREA NOTES

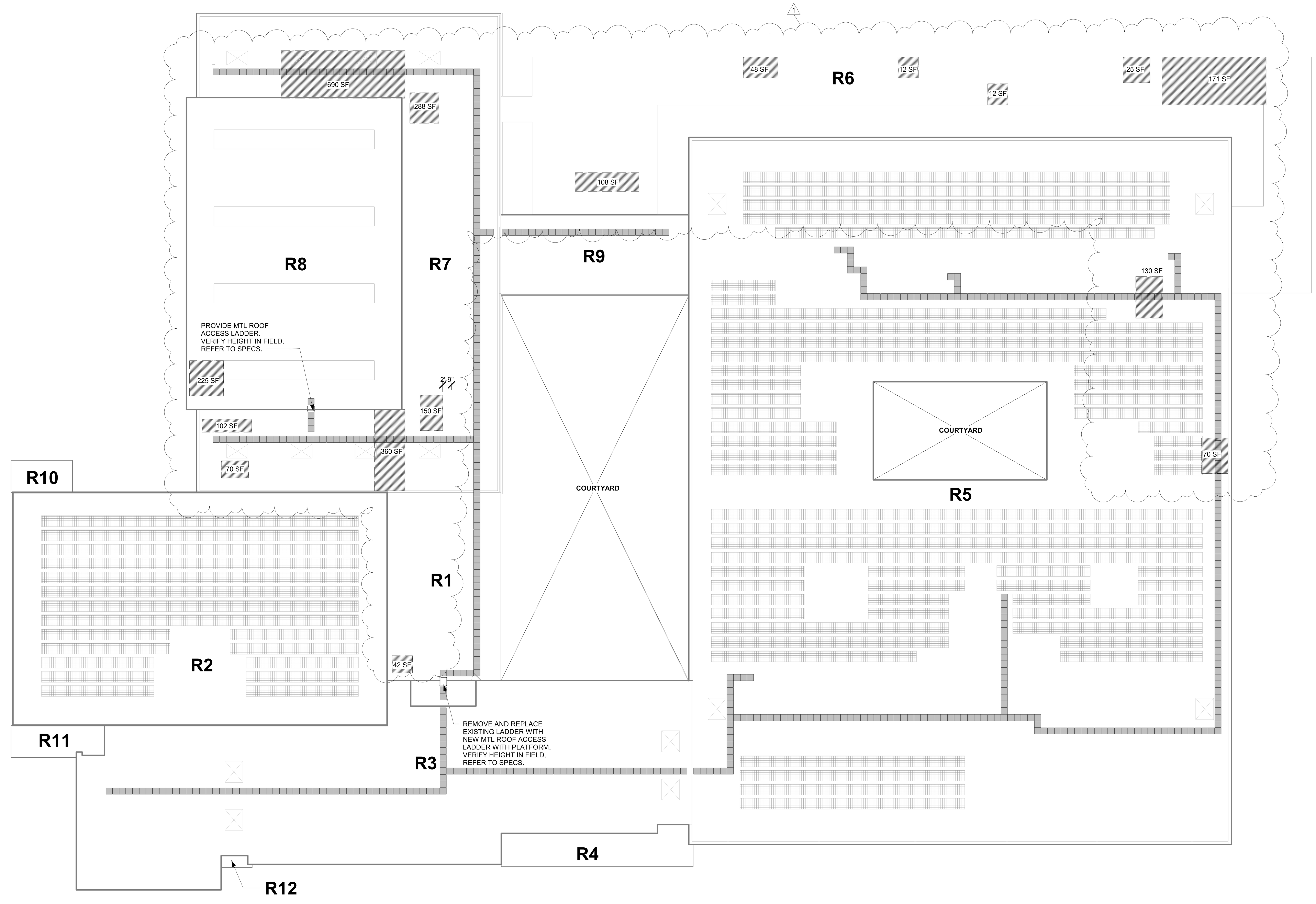
1. REMOVE AND REPLACE AREAS OF IDENTIFIED AS WET INSULATION FROM THE FINALIZED MOISTURE SURVEY.
2. REMOVE MEMBRANE AND WET INSULATION DOWN TO THE ROOF DECK. AT EXISTING ROOF TYPE (A)
3. INSTALL NEW INSULATION TO MATCH THE HEIGHT OF THE EXISTING INSULATION. APPLY ADDITIONAL LAYERS AS NEEDED TO REMOVE ANY PONDING AREAS AT EXISTING ROOF TYPE (A)
   A. ADHERE INSULATION AND COVER BOARD TO EXISTING DECK IN LOW RISE FOAM INSULATION ADHESIVE.
4. AT EXISTING ROOF TYPE (A) INSTALL NEW TWO-PLY SBS-MODIFIED MEMBRANE ROOF REPAIR PATCH ADHERED IN POLYURETHANE ADHESIVE AND TIE-INTO THE EXISTING ROOF
5. ALL NEW ROOFING INSULATION IS TO BE PROVIDED BY BUILDING ENVELOPE CONTACTOR.

ROOF PLAN GENERAL NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIALS. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.
2. DIMENSIONS AND CONDITIONS ON THE ROOF PLAN AND DETAILS AREA APPROXIMATE AND MUST BE CONFIRMED BY THE CONTRACTOR. ONLY CERTAIN FASTENERS ARE SHOWN ON THE DRAWINGS, REFER TO SPECIFICATIONS FOR ADDITIONAL FASTENER REQUIREMENTS.
3. TEST THE EXISTING DRAIN LINES WITH A RUNNING HOSE FOR AT LEAST ONE HOUR PRIOR TO STARTING ANY OTHER WORK. PROVIDE A WRITTEN REPORT OF ANY CLOGGED LINES TO THE ARCHITECT AND OWNER. CLOGGED DRAIN LINES WILL BE CLEANED BY THE OWNER.
4. COVER AND PROTECT ALL DRAIN OPENINGS AT THE BEGINNING OF EACH WORK DAY. REMOVE THE COVERS AT THE END OF EACH DAY AND BEFORE PRECIPITATION OCCURS.
5. PERFORM WHATEVER WORK IS REQUIRED TO RESTORE THE DRAIN LINES TO CLEAN, CLEAR, FREE FLOWING CONDITION AT THE COMPLETION OF THE PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
7. REPAIR ALL EXISTING EXHAUST FAN/VENTILATOR HOUSING TO BE WATERTIGHT.
8. NOT ALL NEW EQUIPMENT AND PIPE PENETRATIONS ARE SHOWN ON THE ROOF PLAN (SEE MECHANICAL DRAWINGS). INSTALL NEW PITCH POCKETS OR FIELD FLASHINGS AT ALL NEW EQUIPMENT AND PIPE PENETRATIONS.
9. INSTALL NEW WALKWAY PADS WHERE SHOWN ON THE ROOF PLAN.
10. ALL EXISTING PV PANELS, FRAMING HARDWARE, BALLASTING, AND ALL ASSOCIATED ITEMS TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS FOR ASSOCIATED ELECTRICAL REMOVALS (ALTERNATE 4)
11. ALL EXISTING PV PANELS, FRAMING HARDWARE, BALLASTING, AND ALL ASSOCIATED ITEMS TO BE SALVAGED, STORED AND REINSTALLED, COORDINATE WITH ELECTRICAL DRAWINGS (ALTERNATE 5).
12. PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
13. ALL EXISTING MTL ROOF EDGES, COPINGS, SCUPPERS, AND FLASHINGS TO REMAIN. PROTECT THROGHTOUT CONSTRUCTION.
14. INSTALL WALKWAY PADS TO ALL ROOFTOP EQUIPMENT. WALKWAY PAD SHOWN FOR REFERENCE ONLY. VERIFY IN FIELD ALL CONDITIONS AND LOCATIONS.

ROOF LEGEND

Symbol	Description
	EXISTING EXHAUST FAN
RD	EXISTING ROOF DRAIN
V	EXISTING ROOF VENT
	EXISTING ROOF HATCH
RTU-#	ROOFTOP MECHANICAL EQUIPMENT
	EXISTING SKYLIGHT
	ROOF LADDER
	AREA OF ROOFING SYSTEM DEMOLITION DOWN TO ROOF DECK, REFER TO ROOF SCHEDULE
	APPROXIMATE AREA OF WET INSULATION (1,918 SF, V.I.F.)
	EXISTING PV PANEL, REFER TO GENERAL NOTES 10 & 11



OVERALL ROOF PLAN 1
1/16" = 1'-0"

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NANUET

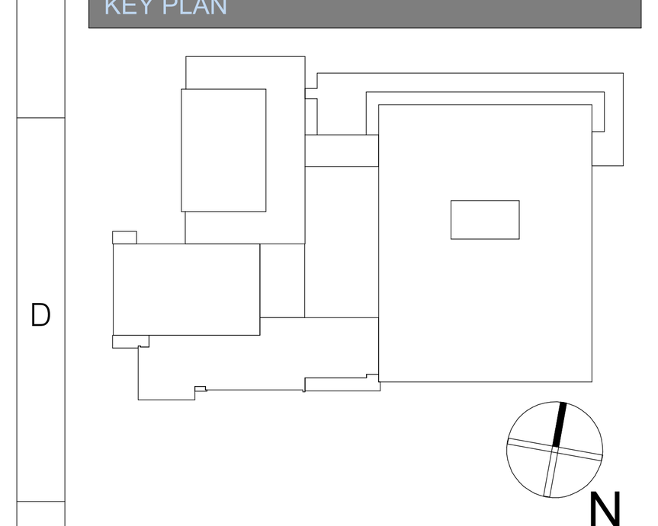
NUFSD BOND PROJECTS PH3

☐ 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

KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENUM #6	7/12/23

ISSUED: BID SET ISSUANCE
DATE: 6/6/2023
SCALE: As indicated
SHEET NAME: OVERALL ROOF PLAN
SHEET NUMBER: BM-A121
ISSUE FOR BID SET

PROJECT NUMBER: 2211002.00

ROOF SCHEDULE

ROOF NAME	EXISTING ROOF COMPOSITION (IF APPLICABLE)	DECK TYPE	FLAT OR SLOPED STRUCTURE	APPROX. SF	DEMOLITION (IF APPLICABLE)	NEW WORK COMPOSITION	COMMENTS
R1	REFER TO EXISTING ROOF TYPE (A)	CONC	FLAT / SLOPED	5,000	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R2	REFER TO EXISTING ROOF TYPE (A)	CONC	FLAT / SLOPED	13,300	REFER TO GENERAL NOTE 10. REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	APPROX. 5600 SF OF EXISTING PV
R3	REFER TO EXISTING ROOF TYPE (B)	CONC	SLOPED	8,100	REFER TO GENERAL NOTE 10. REFER TO DEMOLITION ROOF TYPE (B)	REFER TO NEW WORK ROOF TYPE (B)	APPROX. 3700 SF OF EXISTING PV. REFER TO HS-A522 FOR DETAILS.
R4	REFER TO EXISTING ROOF TYPE (A)	CONC	FLAT / SLOPED	13,100	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R5	REFER TO EXISTING ROOF TYPE (C)	CONC/MTL	FLAT	10,300	REFER TO DEMOLITION ROOF TYPE (C)	REFER TO NEW WORK ROOF TYPE (C)	-
R6	REFER TO EXISTING ROOF TYPE (C)	MTL	FLAT	4,200	REFER TO DEMOLITION ROOF TYPE (C)	REFER TO NEW WORK ROOF TYPE (C)	-
R7	REFER TO EXISTING ROOF TYPE (C)	MTL	FLAT	14,900	REFER TO GENERAL NOTE 10. REFER TO DEMOLITION ROOF TYPE (C)	REFER TO NEW WORK ROOF TYPE (C)	APPROX. 5500 SF OF EXISTING PV
R8	REFER TO EXISTING ROOF TYPE (A)	CONC	FLAT	1,400	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R9	REFER TO EXISTING ROOF TYPE (A)	CONC	FLAT / SLOPED	14,680	REFER TO GENERAL NOTE 10. REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	APPROX. 1700 SF OF EXISTING PV
R10	REFER TO EXISTING ROOF TYPE (A)	CONC	FLAT / SLOPED	2,780	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R11	REFER TO EXISTING ROOF TYPE (A)	CONC	SLOPED	8,800	REFER TO GENERAL NOTE 10. REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	APPROX. 5000 SF OF EXISTING PV
R12	REFER TO EXISTING ROOF TYPE (A)	CONC	FLAT / SLOPED	2,750	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R13	REFER TO EXISTING ROOF TYPE (C)	MTL	FLAT	1,170	REFER TO DEMOLITION ROOF TYPE (C)	REFER TO NEW WORK ROOF TYPE (C)	-
R14	NOT IN CONTRACT	-	-	-	-	-	-
R15	REFER TO EXISTING ROOF TYPE (A)	MTL	FLAT	188	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R16	REFER TO EXISTING ROOF TYPE (A)	CONC	FLAT	1,342	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R17	REFER TO EXISTING ROOF TYPE (A)	CONC	FLAT	8,882	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-
R18	NOT IN CONTRACT	-	-	-	-	-	-
R19	REFER TO EXISTING ROOF TYPE (A)	CONC	FLAT	150	REFER TO DEMOLITION ROOF TYPE (A)	REFER TO NEW WORK ROOF TYPE (A)	-

ROOF SYSTEM TYPES COMPOSITION

EXISTING ROOF SYSTEM TYPES	TYPICAL ROOF TYPE DEMOLITION	NEW WORK ROOF TYPES
EXISTING ROOF TYPE (A) • GRAVEL BUILT-UP ROOFING SYSTEM • 1-1/2" PERLITE COVER BOARD • RIGID POLYISO INSULATION	DEMOLITION ROOF TYPE (A) • REMOVE GRAVEL AND ALL LOOSE PARTS/DEBRIS DOWN TO EXISTING ROOFING SYSTEM TO REMAIN. • SEE WET AREA NOTE 2	NEW WORK ROOF TYPE (A) • PROVIDE LIQUID APPLIED ROOF COATING SYSTEM ATOP OF THE EXISTING GRAVEL SURFACED ROOFING SYSTEM. BASIS OF DESIGN: TREMCO ALPHAGRADE RESTORATION SYSTEM. • SEE WET AREA NOTES 3 & 4
EXISTING ROOF TYPE (B) • GRAVEL BUILT-UP ROOFING SYSTEM • 1-1/2" PERLITE COVER BOARD • RIGID POLYISO INSULATION	DEMOLITION ROOF TYPE (B) • REMOVE EXISTING ROOFING SYSTEM IN ITS ENTIRETY DOWN TO EXISTING DECK TO REMAIN.	NEW WORK ROOF TYPE (B) • EXISTING ROOF DECK TO REMAIN • VAPOR BARRIER • RIGID POLYISO INSULATION, R-30 MIN. • 1/2" COVER BOARD • SBS MODIFIED BITUMEN ROOFING MEMBRANE • LIQUID APPLIED ROOF COATING SYSTEM, BASIS OF DESIGN: ALPHAGUARD BIO PLUS ROOFING SYSTEM
EXISTING ROOF TYPE (C) • BUILT-UP ROOFING MEMBRANE (GRANULATED) • 1/2" PERLITE COVER BOARD • TAPERED RIGID POLYISO INSULATION	DEMOLITION ROOF TYPE (C) • REMOVE ALL LOOSE PARTS/DEBRIS DOWN TO EXISTING ROOFING SYSTEM TO REMAIN. • SEE WET AREA NOTE 2	NEW WORK ROOF TYPE (C) • PROVIDE LIQUID APPLIED ROOF COATING SYSTEM ATOP OF THE EXISTING GRANULE SURFACED ROOFING SYSTEM. BASIS OF DESIGN: TREMCO ALPHAGUARD BIO RESTORATION SYSTEM. • SEE WET AREA NOTES 3 & 5

*REFER TO SHEETS HS-A521 AND HS-A522 FOR ROOF DETAILS

WET AREA NOTES

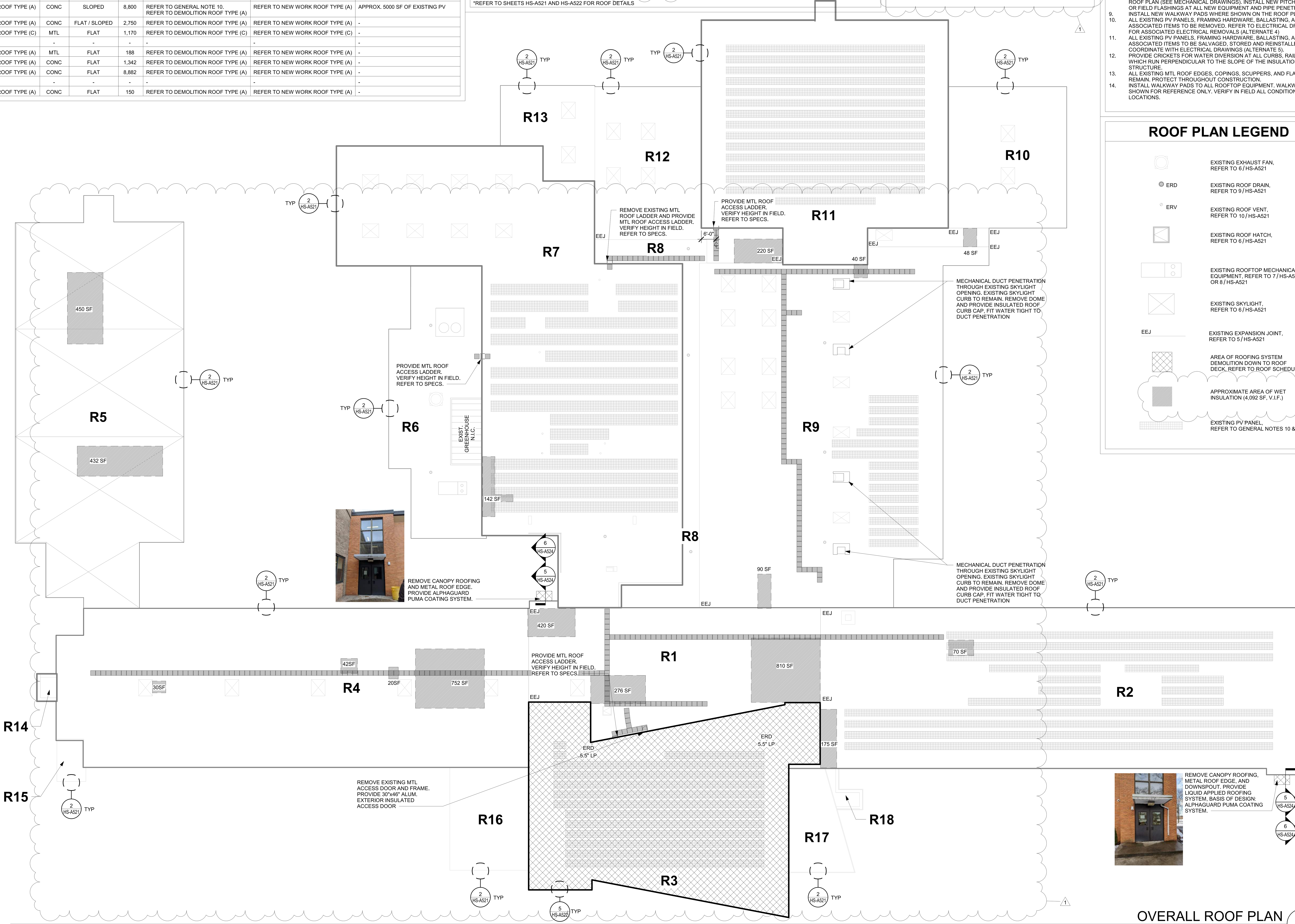
1. REMOVE AND REPLACE AREAS OF IDENTIFIED AS WET INSULATION FROM THE FINALIZED MOISTURE SURVEY.
2. REMOVE MEMBRANE AND WET INSULATION DOWN TO THE ROOF DECK. AT EXISTING ROOF TYPES (A & C)
3. INSTALL NEW INSULATION TO MATCH THE HEIGHT OF THE EXISTING INSULATION. APPLY ADDITIONAL LAYERS AS NEEDED TO REMOVE ANY PONDING AREAS AT EXISTING ROOF TYPES (A & C)
   A. ADHERE INSULATION AND COVER BOARD TO EXISTING DECK IN LOW RISE FOAM INSULATION ADHESIVE.
4. AT EXISTING ROOF TYPE (A) INSTALL NEW THREE-PLY BUILT-UP MEMBRANE ROOF REPAIR PATCH ADHERED IN POLYURETHANE ADHESIVE AND TIE-INTO THE EXISTING ROOF
5. AT EXISTING ROOF TYPE (C) INSTALL NEW TWO-PLY SBS-MODIFIED MEMBRANE ROOF REPAIR PATCH ADHERED IN POLYURETHANE ADHESIVE AND TIE-INTO THE EXISTING ROOF
6. ALL NEW ROOFING INSULATION IS TO BE PROVIDED BY BUILDING ENVELOPE CONTACTOR.
7.

ROOF PLAN GENERAL NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIALS. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.
2. DIMENSIONS AND CONDITIONS ON THE ROOF PLAN AND DETAILS AREA APPROXIMATE AND MUST BE CONFIRMED BY THE CONTRACTOR. ONLY CERTAIN FASTENERS ARE SHOWN ON THE DRAWINGS, REFER TO SPECIFICATIONS FOR ADDITIONAL FASTENER REQUIREMENTS.
3. TEST THE EXISTING DRAIN LINES WITH A RUNNING HOSE FOR AT LEAST ONE HOUR PRIOR TO STARTING ANY OTHER WORK. PROVIDE A WRITTEN REPORT OF ANY CLOGGED LINES TO THE ARCHITECT AND OWNER. CLOGGED DRAIN LINES WILL BE CLEANED BY THE OWNER.
4. COVER AND PROTECT ALL DRAIN OPENINGS AT THE BEGINNING OF EACH WORK DAY. REMOVE THE COVERS AT THE END OF EACH DAY AND BEFORE PRECIPITATION OCCURS.
5. PERFORM WHATEVER WORK IS REQUIRED TO RESTORE THE DRAIN LINES TO CLEAN, CLEAR, FREE FLOWING CONDITION AT THE COMPLETION OF THE PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
7. REPAIR ALL EXISTING EXHAUST FAN/VENTILATOR HOUSING TO BE WATERTIGHT.
8. NOT ALL NEW EQUIPMENT AND PIPE PENETRATIONS ARE SHOWN ON THE ROOF PLAN (SEE MECHANICAL DRAWINGS). INSTALL NEW PITCH POCKETS OR FIELD FLASHINGS AT ALL NEW EQUIPMENT AND PIPE PENETRATIONS.
9. INSTALL NEW WALKWAY PADS WHERE SHOWN ON THE ROOF PLAN.
10. ALL EXISTING PV PANELS, FRAMING HARDWARE, BALLASTING, AND ALL ASSOCIATED ITEMS TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS FOR ASSOCIATED ELECTRICAL REMOVALS (ALTERNATE 4)
11. ALL EXISTING PV PANELS, FRAMING HARDWARE, BALLASTING, AND ALL ASSOCIATED ITEMS TO BE SALVAGED, STORED AND REINSTALLED, COORDINATE WITH ELECTRICAL DRAWINGS (ALTERNATE 5).
12. PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
13. ALL EXISTING MTL ROOF EDGES, COPINGS, SCUPPERS, AND FLASHINGS TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
14. INSTALL WALKWAY PADS TO ALL ROOFTOP EQUIPMENT. WALKWAY PAD SHOWN FOR REFERENCE ONLY. VERIFY IN FIELD ALL CONDITIONS AND LOCATIONS.

ROOF PLAN LEGEND

- EXISTING EXHAUST FAN, REFER TO 6 / HS-A521
- ERD — EXISTING ROOF DRAIN, REFER TO 9 / HS-A521
- ERV — EXISTING ROOF VENT, REFER TO 10 / HS-A521
- EXISTING ROOF HATCH, REFER TO 6 / HS-A521
- EXISTING ROOFTOP MECHANICAL EQUIPMENT, REFER TO 7 / HS-A521 OR 8 / HS-A521
- EXISTING SKYLIGHT, REFER TO 6 / HS-A521
- EEJ — EXISTING EXPANSION JOINT, REFER TO 5 / HS-A521
- AREA OF ROOFING SYSTEM DEMOLITION DOWN TO ROOF DECK, REFER TO ROOF SCHEDULE
- APPROXIMATE AREA OF WET INSULATION (4,092 SF, V.I.F.)
- EXISTING PV PANEL, REFER TO GENERAL NOTES 10 & 11



OVERALL ROOF PLAN 1
1/16" = 1'-0"

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NANUET

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
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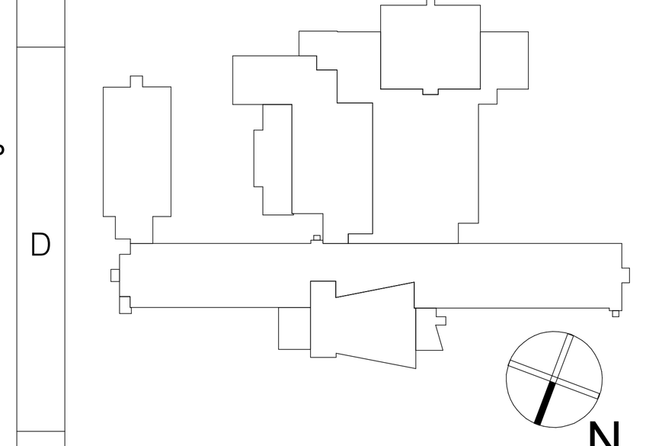
Nanuet, NY 10954

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

KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	7/12/23

ISSUED: BID SET ISSUANCE
DATE: 6/6/2023
SCALE: As indicated
SHEET NAME: OVERALL ROOF PLAN
SHEET NUMBER: HS-A121

ISSUE FOR BID SET

PROJECT NUMBER: 2211002.00

GENERAL NOTES:

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.

KEYED NOTES:

(1) 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.

(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.

(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/R PIPING MAINS ROUTED WITHIN PIPING TUNNEL AT REAR OF UV SHELVING SYSTEMS.

(4) 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 TO FLOOR LEVEL AND CAP.

(5) 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.

(6) 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.

(8) 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.

(9) 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 OPERATOR DIAL.

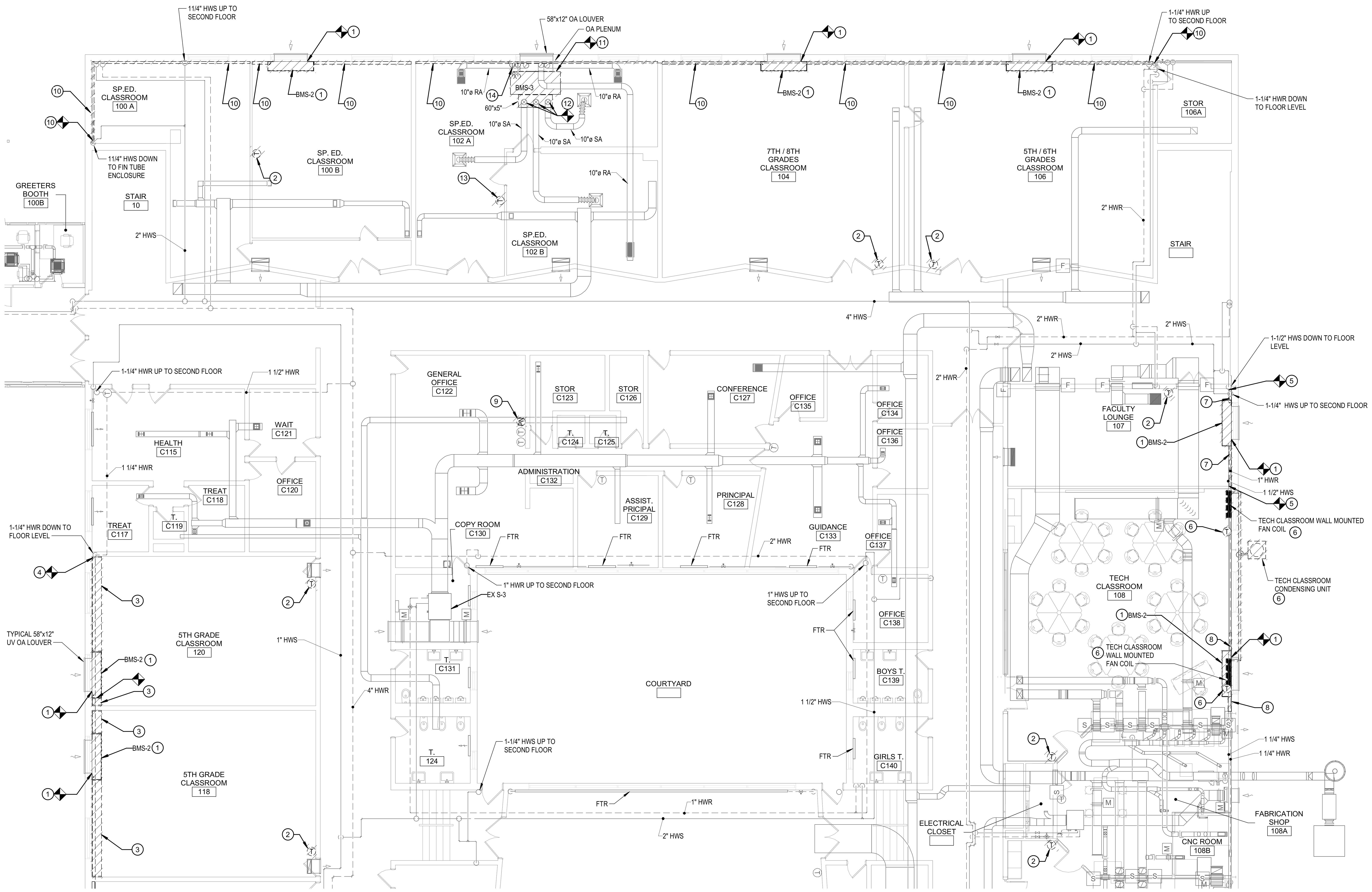
(10) DISCONNECT AND REMOVE FIN TUBE RADIATION AND ASSOCIATED FIN TUBE ENCLOSURE UNITS AT ALL LOCATIONS SHOWN. DISCONNECT AND REMOVE HWS/R PIPING MAINS ROUTED THROUGH FIN TUBE ENCLOSURE TO DISCONNECTION POINTS SHOWN AT BASE OF ASSOCIATED HWS/R RISER DROPS AND CAP.

(11) 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.

(12) 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.

(13) 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.

(14) 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.



A18 PARTIAL FIRST FLOOR REMOVALS - NORTHEAST

1/8" = 1'-0"

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REGISTRATION EXPIRES: 11/30/2023

NANUET

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)

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Barr Middle School
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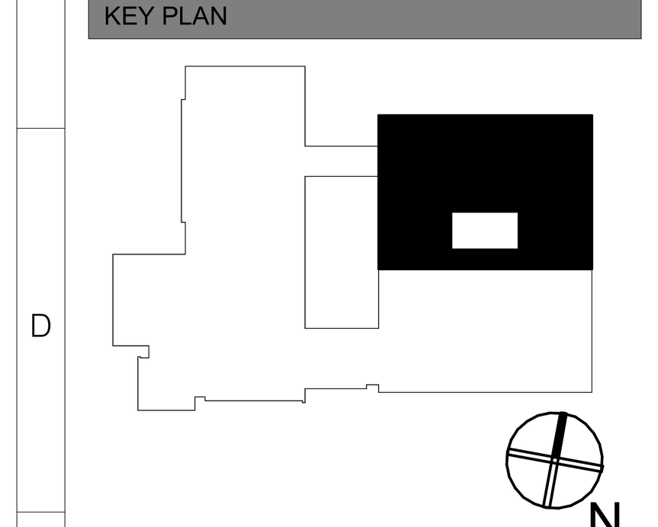
KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

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

SHEET NAME: PARTIAL FIRST FLOOR REMOVALS - NORTHEAST

SHEET NUMBER: BM-M104

ISSUE FOR BID SET

7/11/2023 3:23:05 PM

GENERAL NOTES:

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.

KEYED NOTES:

(1) 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.

(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.

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

(4) 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.

(5) 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.

(7) 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.

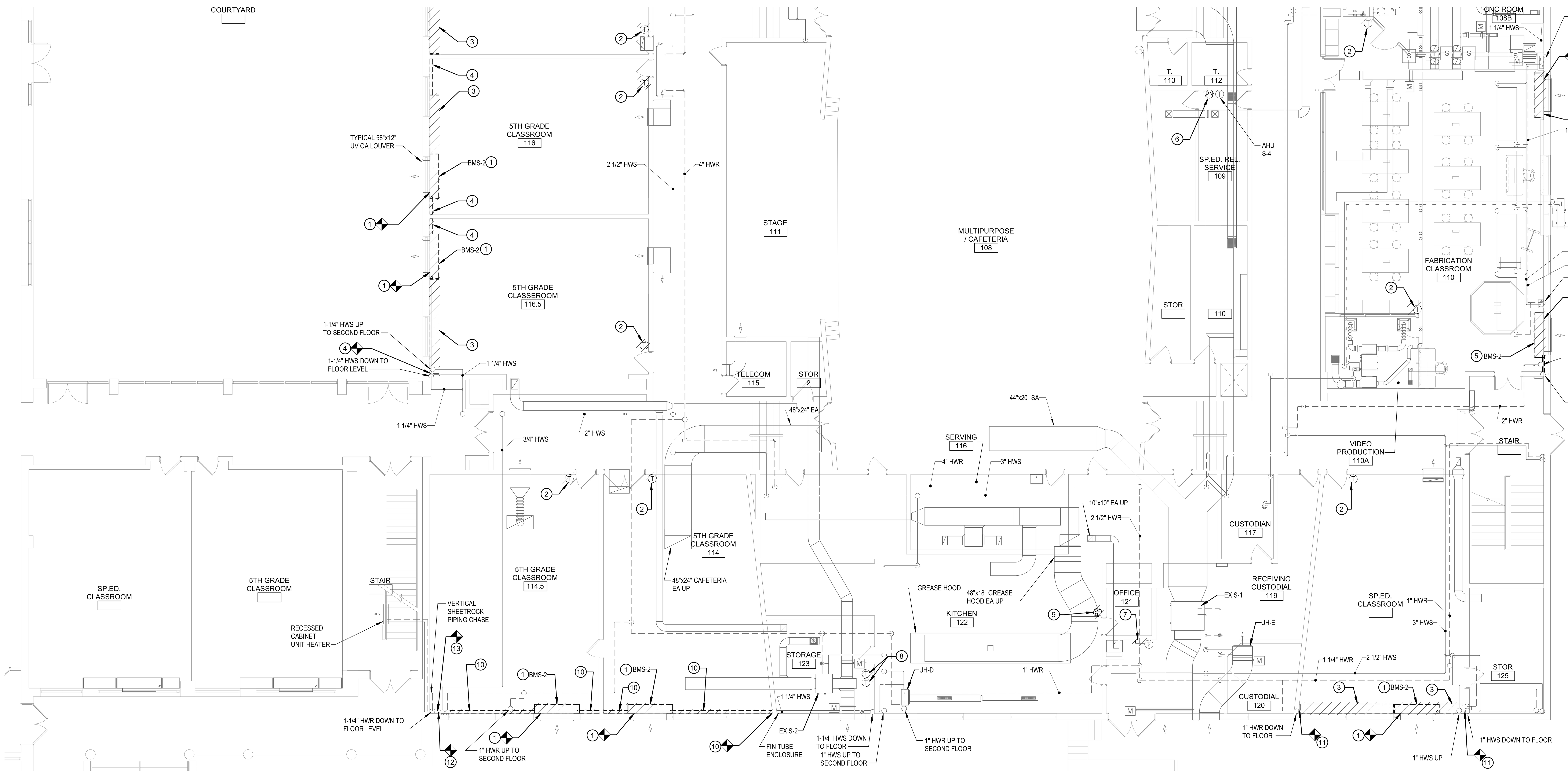
(9) DISCONNECT AND REMOVE GREASE HOOD EXHAUST FAN EF-3 PNEUMATIC OPERATOR DIAL AT LOCATION SHOWN INCLUDING ASSOCIATED PNEUMATIC TUBING. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. PROVIDE STAINLESS STEEL COVER PLATE OVER LOCATION OF REMOVED PNEUMATIC OPERATOR DIAL.

(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.



C16 PARTIAL FIRST FLOOR REMOVALS - SOUTHEAST

1/8" = 1'-0"

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REGISTRATION EXPIRES: 11/30/2023

NANUET

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)

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Barr Middle School
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KEY PLAN

REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

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

SHEET NAME:
PARTIAL FIRST FLOOR REMOVALS - SOUTHEAST

SHEET NUMBER:
BM-M105

ISSUE FOR BID SET

7/11/2023 3:23:08 PM

GENERAL NOTES:

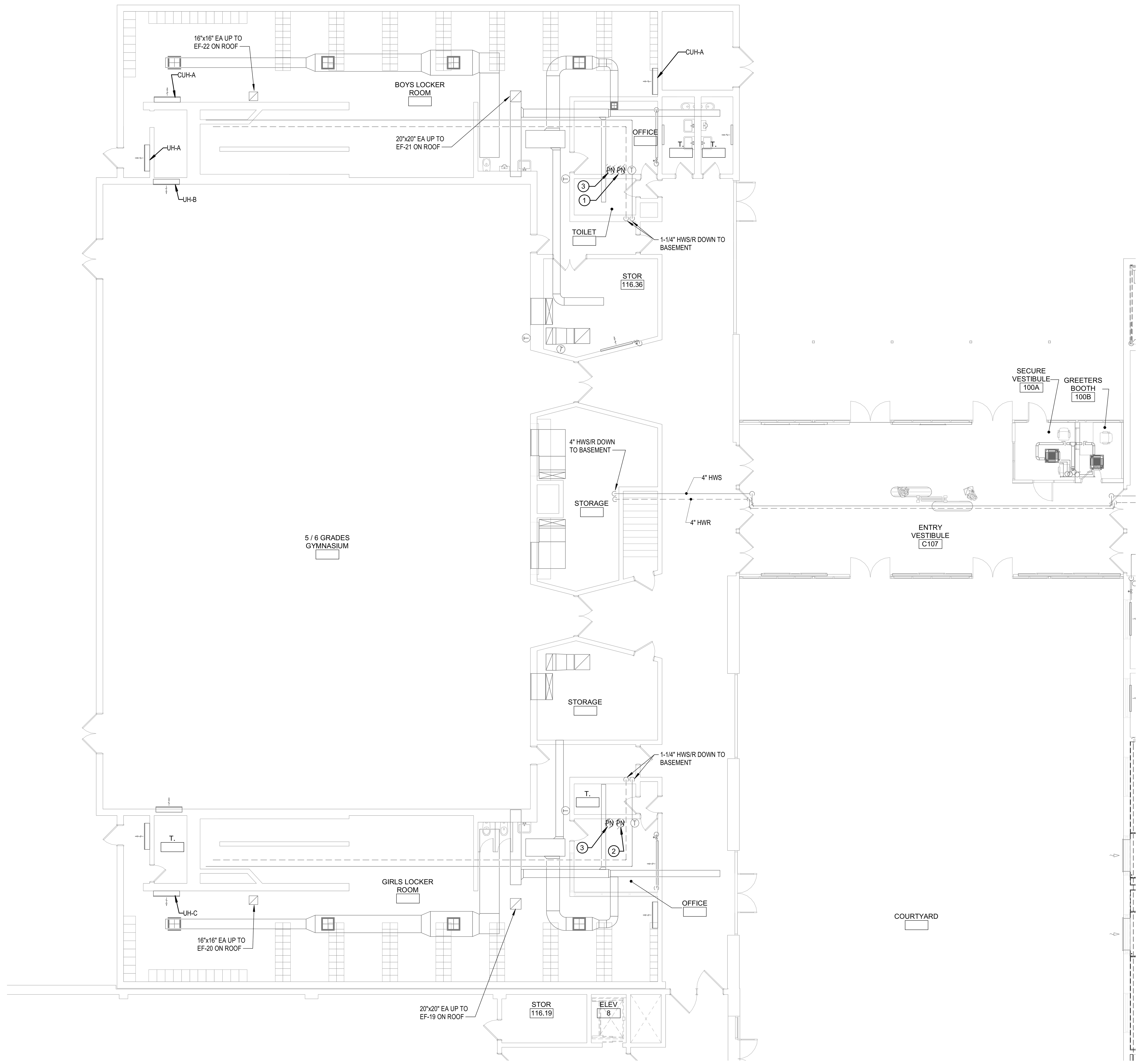
1. REGARDING PNEUMATIC CONTROL SYSTEM REMOVAL WORK: CAP OPEN/OBSOLETE PNEUMATIC TUBING AT ALL LOCATIONS. REMOVE OBSOLETE/DISCONNECTED PNEUMATIC TUBING WHERE EXPOSED TO VIEW. ABANDON IN-PLACE PNEUMATIC TUBING THAT IS CONCEALED OR IN OTHERWISE INACCESSIBLE AREAS.

KEYED NOTES:

(1) 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 PNEUMATIC OPERATOR DIAL.

(2) DISCONNECT AND REMOVE BASEMENT AIR HANDLING UNIT S-7 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.

(3) 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 PNEUMATIC OPERATOR DIAL.



A18 PARTIAL FIRST FLOOR REMOVALS - NORTHWEST
1/8" = 1'-0"

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REGISTRATION EXPIRES: 11/30/2023

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BOND
PROJECTS
PH3

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

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Barr Middle School
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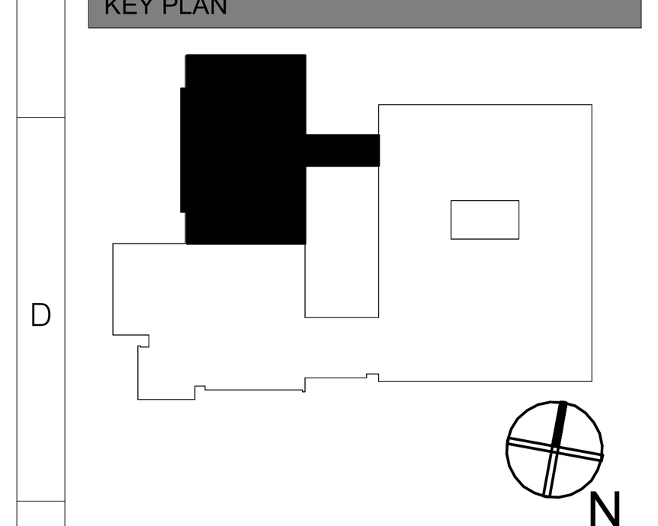
Nanuet, NY 10954

KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE
DATE: 06/06/2023
SCALE: 1/8" = 1'-0"
SHEET NAME: PARTIAL FIRST FLOOR REMOVALS - NORTHWEST
SHEET NUMBER: BM-M106

ISSUE FOR BID SET

PROJECT NUMBER: 2111002.00

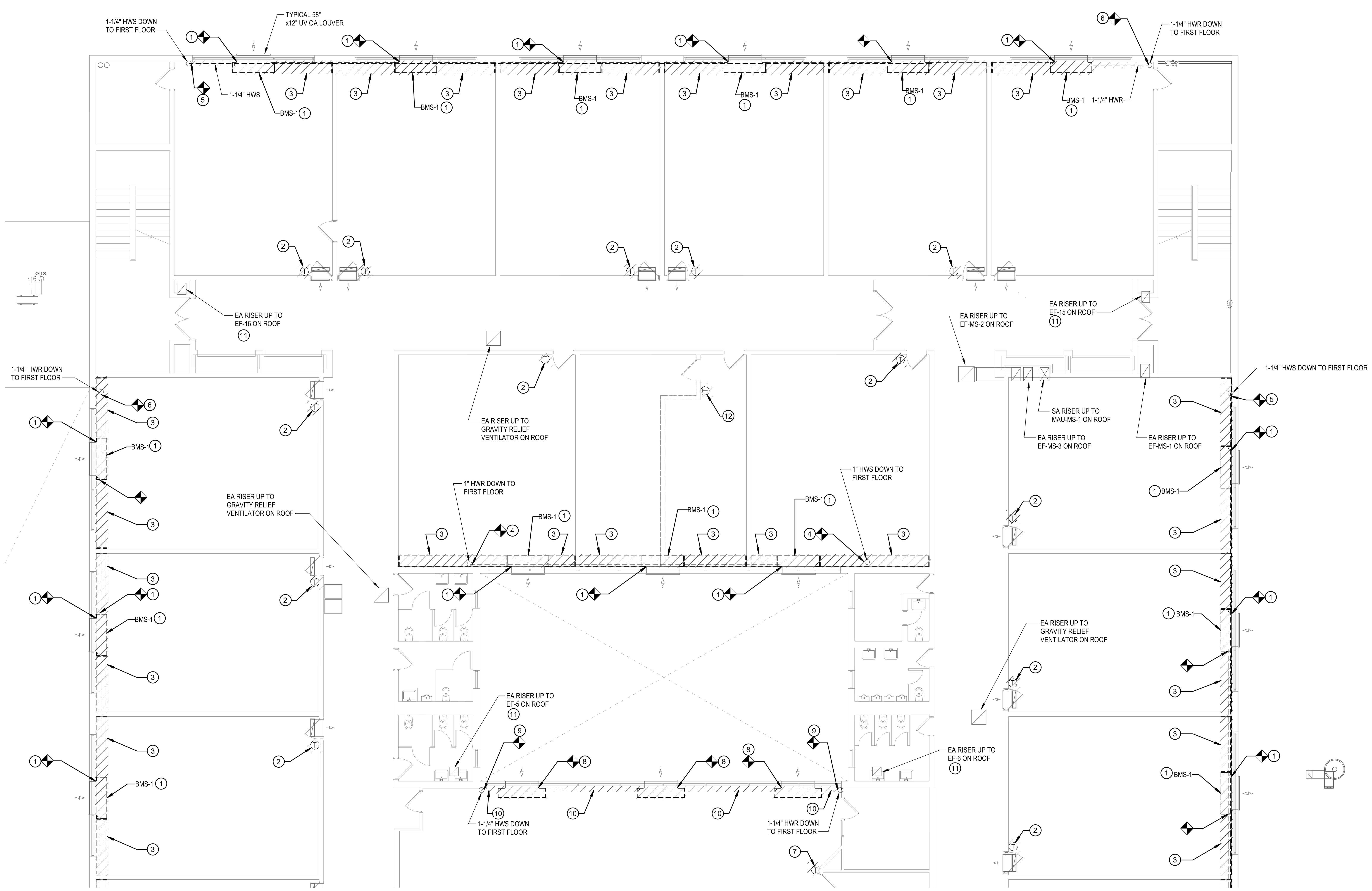
7/11/2023 3:23:10 PM

GENERAL NOTES:

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.

KEYED NOTES:

1. 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.
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.
3. DISCONNECT AND REMOVE PERIMETER SHELVING/CABINET UNITS AT LOCATION SHOWN AND FIN TUBE RADIATION LOCATED WITHIN PIPING TUNNEL AT REAR OF SHELVING SYSTEM.
4. 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.
5. DISCONNECT AND REMOVE HWS/HWR ROUTED BEHIND REMOVE UNIT VENTILATORS AND CABINET SHELVING SYSTEMS. REMOVE HWS BACK TO 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 PENETRATION AND CAP ABOVE FLOOR.
7. 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.
8. DISCONNECT AND REMOVE FLOOR MOUNTED UNIT VENTILATOR AT LOCATION SHOWN. DISCONNECT AND REMOVE OUTSIDE AIR DUCT 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 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.
10. DISCONNECT AND REMOVE HORIZONTAL PIPING ENCLOSURES BETWEEN REMOVED UNIT VENTILATORS AT LOCATIONS SHOWN INCLUDING ASSOCIATED HWS/R PIPING ROUTED WITHIN THE ENCLOSURE UNITS.
11. 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.
12. 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.



A18 PARTIAL SECOND FLOOR REMOVALS - NORTHEAST

1/8" = 1'-0"

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STATE OF NEW YORK · JOHN VENDITTE · LICENSED PROFESSIONAL ENGINEER · 083994

REGISTRATION EXPIRES: 11/30/2023

NANUET

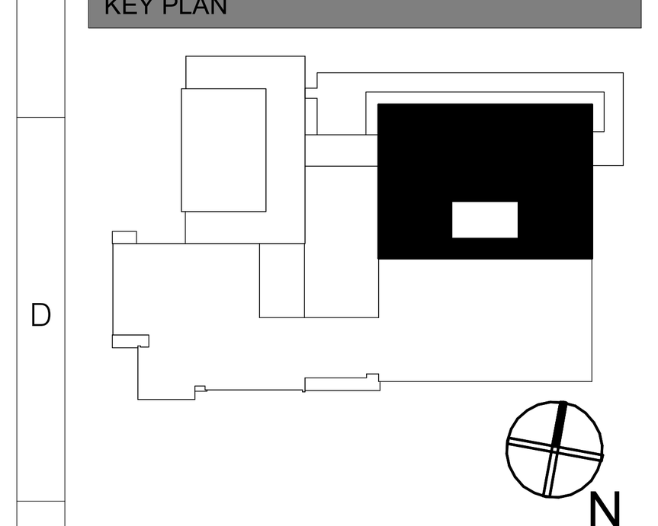
NUFSD BOND PROJECTS PH3

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

KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

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

SHEET NAME:
PARTIAL SECOND FLOOR REMOVALS - NORTHEAST

SHEET NUMBER:
BM-M107

ISSUE FOR BID SET

7/11/2023 3:23:12 PM

GENERAL NOTES:

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.

KEYED NOTES:

(1) 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.

(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.

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

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

(5) 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.

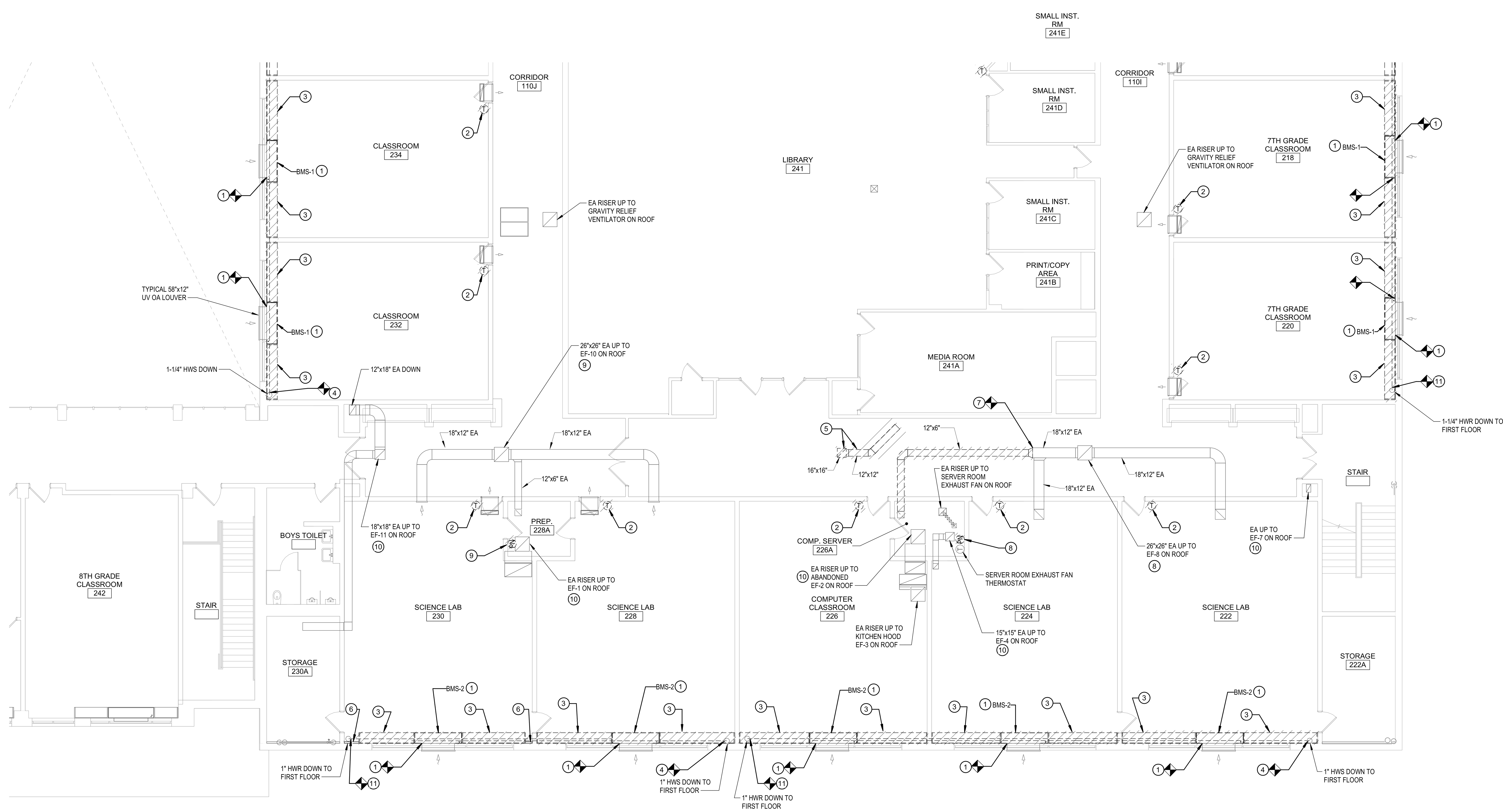
(7) DISCONNECT AND REMOVE EA BRANCH AND ASSOCIATED EA REGISTER SERVING COMPUTER SERVER ROOM BACK TO DISCONNECTION POINT SHOWN AND CAP. SERVER ROOM VENTILATION SHALL BE PROVIDED BY DEDICATED SERVER ROOM ROOFTOP EXHAUST FAN.

(8) 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.

(9) 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.

(10) 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.

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



A18 PARTIAL SECOND FLOOR REMOVALS - SOUTHEAST

1/8" = 1'-0"

ARCHITECT

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STATE OF NEW YORK – JOHN VENDITTI – LICENSED PROFESSIONAL ENGINEER – 083994
REGISTRATION EXPIRES: 11/30/2023

NANUET

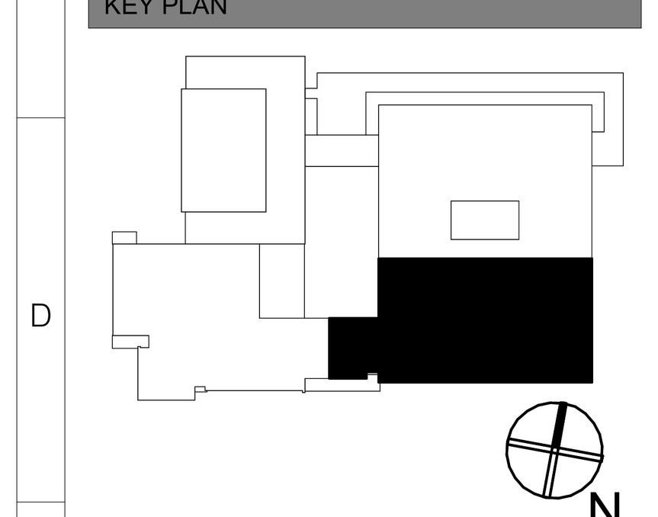
NUFSD BOND PROJECTS PH3

☐ 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

KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

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

SHEET NAME:
PARTIAL SECOND FLOOR REMOVALS - SOUTHEAST

SHEET NUMBER:
BM-M108

ISSUE FOR BID SET

PROJECT NUMBER: 2111002.00

7/11/2023 3:23:14 PM

KEYED NOTES:

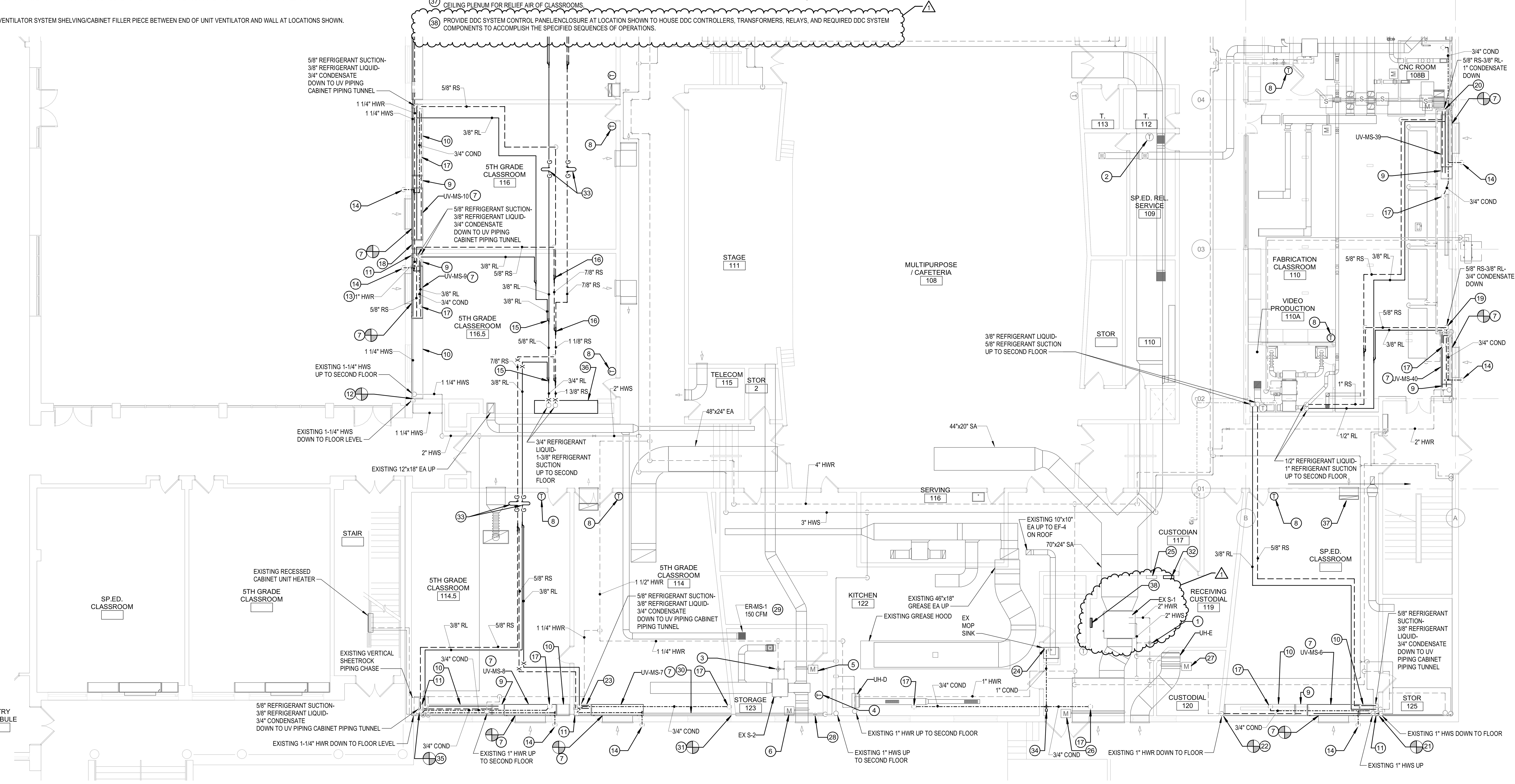
1. DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT S-1 3-WAY PNEUMATIC CONTROL VALVE. DISCONNECT AND REMOVE ALL PNEUMATIC TUBING BACK TO PNEUMATIC MAIN. PROVIDE ELECTRONIC 3-WAY CONTROL VALVE RATED AT 39 GPM. DISCONNECT AND REMOVE ALL S-1 PNEUMATIC SENSORS AND CONTROL DEVICES AND CONVERT TO ELECTRONIC. TIE ALL ELECTRONIC SENSORS FROM S-1 INTO THE EXISTING SIEMENS DDC SYSTEM.
2. DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT S-4 PNEUMATIC THERMOSTAT. CAP PNEUMATIC TUBING ABOVE CEILING SYSTEM. PROVIDE DDC SYSTEM SPACE SENSOR AT LOCATION OF REMOVED PNEUMATIC THERMOSTAT CONNECTED TO S-4 OPERATION.
3. DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT S-2 3-WAY PNEUMATIC CONTROL VALVE. DISCONNECT AND REMOVE ALL PNEUMATIC TUBING BACK TO PNEUMATIC MAIN. PROVIDE ELECTRONIC 3-WAY CONTROL VALVE RATED AT 39 GPM. DISCONNECT AND REMOVE ALL S-2 PNEUMATIC SENSORS AND CONTROL DEVICES AND CONVERT TO ELECTRONIC. TIE ALL ELECTRONIC SENSORS FROM S-2 INTO THE EXISTING SIEMENS DDC SYSTEM.
4. PROVIDE DDC SYSTEM SPACE SENSOR AT LOCATION OF REMOVED PNEUMATIC THERMOSTAT CONNECTED TO EXISTING AHU S-2 OPERATION IN CONJUNCTION WITH REPLACEMENT 2-WAY CONTROL VALVE OUTLINED IN KEYED NOTE 28.
5. DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT S-2 PNEUMATIC MOTORIZED RETURN AIR DAMPER AT LOCATION SHOWN AND REPLACE WITH ELECTRONIC MOTORIZED DAMPER. TIE CONTROL OF DAMPER INTO DDC SYSTEM. REMOVE PNEUMATIC TUBING FROM REMOVED DAMPER BACK TO PNEUMATIC PIPING MAIN.
6. DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT S-2 PNEUMATIC MOTORIZED OUTSIDE AIR DAMPER AT LOCATION SHOWN AND REPLACE WITH ELECTRONIC MOTORIZED DAMPER. TIE CONTROL OF DAMPER INTO DDC SYSTEM. REMOVE PNEUMATIC TUBING FROM REMOVED DAMPER BACK TO PNEUMATIC PIPING MAIN.
7. PROVIDE FLOOR MOUNTED UNIT VENTILATOR AT LOCATION SHOWN. PROVIDE UNIT VENTILATOR WITH FULLY CLOSED ADAPTER-BACK WITH REAR OUTDOOR AIR OPENING TO 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 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.
8. PROVIDE REPLACEMENT TEMPERATURE SENSOR AT LOCATION SHOWN AND UTILIZE FOR SPACE TEMPERATURE CONTROL OF UNIT VENTILATOR LOCATED WITHIN SAME SPACE AS SENSOR AS REQUIRED. PROVIDE CONTROL WIRING BETWEEN SENSOR AND UNIT VENTILATOR DDC CONTROLLER AS REQUIRED.
9. 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 CONTROLLER 2. VARIABLE REFRIGERANT VOLUME CONTROL BOX AND 3. VARIABLE REFRIGERANT VOLUME EXPANSION VALVE KIT.
10. 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 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 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 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 MANUFACTURED BY HVAC CUSTOM ENCLOSURE CO.; LLC DRAWING NUMBER SC164-0028 OR EQUAL.
11. PROVIDE 12" WIDE x 8" DEEP VERTICAL PIPE ENCLOSURE UNIT AT CORNER OF CLASSROOM TO CONCEAL REFRIGERANT LIQUID-SUCTION PIPING DROPS AND THE 3/4" CONDENSATE RISER DROP FROM THE SECOND FLOOR UV DRAIN PAN. ROUTE VERTICAL SUCTION/LIQUID PIPING DOWN THROUGH TOP OF UNIT VENTILATOR SHELVING CABINET TOP AND CONNECT TO UV DX COIL CONNECTION AND UV EXPANSION VALVE KIT AS REQUIRED. ROUTE CONDENSATE DRAIN PIPING FROM TO PIPING TUNNEL AND CONNECT TO HORIZONTAL CONDENSATE DRAIN PIPING FROM FIRST FLOOR UV DRAIN PAN OUTLET PRIOR TO EXITING THROUGH EXTERIOR WALL. HEIGHT OF VERTICAL PIPING ENCLOSURE SHALL EXTEND FROM TOP OF SHELVING CABINET SYSTEM TO UNDERSIDE OF SUSPENDED CEILING SYSTEM.
12. CONNECT TO EXISTING 1-1/4" HWS RISER AT FLOOR LEVEL AND ROUTE 1-1/4" HWS PIPING MAIN WITHIN SHELVING CABINET PIPING TUNNEL AS SHOWN.
13. ROUTE 1" HWR FROM UV-MS-9 HEATING COIL WITHIN SHELVING CABINET PIPING TUNNEL TO CLASSROOM 116 PIPING TUNNEL.
14. ROUTE 1-1/4" COMBINED CONDENSATE DRAIN PIPING FROM FIRST FLOOR UV DRAIN PAN OUTLET AND CONDDENSATE FROM SECOND FLOOR UV DRAIN PAN OUT THROUGH EXTERIOR WALL. TERMINATE PIPING WITH MITER CUT ELBOW FACING GRADE LEVEL AND PITCH PIPING TOWARDS THE EXTERIOR WALL PENETRATION AS REQUIRED.
15. TYPICAL REFRIGERANT LIQUID BRANCH CONNECTOR 'Y' FITTING JOINT.
16. TYPICAL RERIGERANT SUCTION BRANCH CONNECTOR 'Y' FITTING JOINT.
17. 3/4" CONDENSATE DRAIN RISER UP THROUGH FLOOR. ROUTE TO VERTICAL PIPING ENCLOSURE AND DROP DOWN INTO SHELVING SYSTEM PIPING TUNNEL.
18. PROVIDE UNIT VENTILATOR SYSTEM SHELVING/CABINET FILLER PIECE BETWEEN END OF UNIT VENTILATOR AND WALL AT LOCATIONS SHOWN.

KEYED NOTES (CONTINUED):

19. ROUTE 3/4" CONDENSATE DRAIN FROM RISER UP THROUGH FLOOR AND THE 3/8" LIQUID-5/8" SUCTION PIPING DROPS DOWN THROUGH VERTICAL CHASE TO WITHIN UNIT VENTILATOR PIPING TUNNEL. ROUTE SUCTION/LIQUID PIPING TO EXPANSION VALVE KIT WITHIN UTILITY COMPARTMENT AND UV DX COIL AS REQUIRED. ROUTE CONDENSATE DRAIN PIPING TO UV-MS-40 CONDENSATE DRAIN LINE AS REQUIRED.
20. COMBINE TWO 3/4" CONDENSATE DRAINS FROM TWO RISER LOCATIONS UP THROUGH FLOOR TO ONE 1" CONDENSATE RISER DROP, AND THE 3/8" LIQUID-5/8" SUCTION PIPING DROPS DOWN THROUGH VERTICAL CHASE TO WITHIN UNIT VENTILATOR PIPING TUNNEL. ROUTE SUCTION/LIQUID PIPING TO EXPANSION VALVE KIT WITHIN UTILITY COMPARTMENT AND UV DX COIL AS REQUIRED. ROUTE 1" CONDENSATE DRAIN PIPING TO UV-MS-39 CONDENSATE DRAIN LINE AS REQUIRED.
21. CONNECT TO EXISTING 1" HWS DROP AT BASE OF RISER AND ROUTE 1" HWS TO UV-MS-6 HEATING COIL.
22. CONNECT TO EXISTING 1" HWR DROP AT BASE OF RISER AND ROUTE 1" HWR TO UV-MS-6 HEATING COIL.
23. 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 CONTROLLER 2. VARIABLE REFRIGERANT VOLUME CONTROL BOX AND 3. VARIABLE REFRIGERANT VOLUME EXPANSION VALVE KIT. PROVIDE UNIT VENTILATOR SYSTEM SHELVING/CABINET FILLER PIECE BETWEEN END OF UTILITY COMPARTMENT AND WALL TO FILL GAP BETWEEN UTILITY COMPARTMENT END AND WALL.
24. ROUTE 1" CONDENSATE DRAIN PIPING TO 6" ABOVE EXISTING SLOP SINK FLOOD RIM. TERMINATE OPEN-ENDED WITH MITER CUT OUTLET.
25. LOCATION OF EXISTING AIR HANDLING UNIT S-1 DDC SYSTEM CONTROLLER. DISCONNECT AND REMOVE DAMPER ELECTRIC-TO-PNEUMATIC TRANSDUCER AND 3-WAY CONTROL VALVE ELECTRIC-TO-PNEUMATIC TRANSDUCER INCLUDING ASSOCIATED PNEUMATIC TUBING AND PNEUMATIC DIAL OPERATORS. REMOVE PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP. TIE ELECTRONIC CONTROL VALVE AND ELECTRONIC MOTORIZED DAMPER OUTLINED IN KEYED NOTES 1 AND 26 INTO THE S-1 DDC CONTROLLER AS REQUIRED.
26. DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT S-1 PNEUMATIC MOTORIZED OUTSIDE AIR DAMPER AT LOCATION SHOWN AND REPLACE WITH ELECTRONIC MOTORIZED DAMPER. TIE CONTROL OF DAMPER INTO EXISTING DDC SYSTEM. REMOVE PNEUMATIC TUBING FROM REMOVED DAMPER BACK TO PNEUMATIC PIPING MAIN.
27. DISCONNECT AND REMOVE EXISTING HYDRONIC UNIT HEATER UH-E DUAL PNEUMATIC FACE AND BAYPASS DAMPER ACTUATORS AT LOCATION SHOWN AND REPLACE WITH ELECTRONIC MOTORIZED DAMPER ACTUATORS. TIE CONTROL OF DAMPERS INTO EXISTING DDC SYSTEM. REMOVE PNEUMATIC TUBING FROM REMOVED DAMPER BACK TO PNEUMATIC PIPING MAIN.
28. 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 OUTLINED IN KEYED NOTE 4 AND TIE OPERATION OF CONTROL VALVE/SENSOR INTO EXISTING SIEMENS DDC SYSTEM.
29. PROVIDE EXHAUST REGISTER ER-MS-1 AT LOCATION SHOWN AT LOCATION OF MISSING REGISTER. CONNECT EXISTING 12"x12" EA DROP TO REGISTER AS REQUIRED. BALANCE AIRFLOW THROUGH REGISTER TO 150 CFM WITH EXISTING EXHAUST FAN EF-11 OPERATING.
30. PROVIDE 24" HIGH x 5" DEEP HORIZONTAL PIPING ENCLOSURE BETWEEN END OF UV-MS-7 AND WALL BETWEEN STORAGE 123 AND CLASSROOM 114. ROUTE HWS/R BRANCH PIPING ROUTED FROM STORAGE 123 INTO THE PIPING ENCLOSURE.
31. CONNECT TO EXISTING HWS/R ROUTED THROUGH STORAGE ROOM 123 WALL INTO CLASSROOM 114. ROUTE HWS/R THROUGH HORIZONTAL PIPE ENCLOSURE, PROVIDE 1" HWS/R BRANCHES TO UV-MS-7 HEATING COIL, THEN ROUTE 1" HWS TO UV-MS-8 WITHIN CLASSROOM 114.5 THROUGH THE UV PIPING TUNNELS, AND ROUTE 1-1/4" HWS THROUGH THE UV PIPING TUNNELS TO THE SECOND CONNECTION POINT SHOWN UPSTREAM OF THE HWR PENETRATION THROUGH THE EXISTING VERTICAL CHASE. PROVIDE A 1" HWR CONNECTION TO THE UV-MS-8 HEATING COIL AS REQUIRED.
32. PROVIDE DAIKIN MODEL DCM014A51 BACNET INTERFACE AT LOCATION SHOWN CAPABLE OF INTEGRATION WITH THE BUILDING'S EXISTING DIRECT DIGITAL CONTROL (DDC) SYSTEM. THE DDC SHALL PROVIDE A LOW VOLTAGE CONNECTION FROM THE NEAREST DDC CONTROL PANEL TO THE BACNET INTERFACE AS REQUIRED. THE BACNET INTERFACE DEVICE SHALL ALLOW THE DDC SYSTEM TO MONITOR AND CONTROL THE VARIABLE REFRIGERANT VOLUME INDOOR AND OUTDOOR UNITS INSTALLED. TWISTED PAIR COMMUNICATION WIRING SHALL BE PROVIDED FROM EACH ROOFTOP HEAT PUMP UNIT TO THE BACNET INTERFACE DEVICE, AND TWISTED PAIR COMMUNICATION WIRING SHALL BE PROVIDED FROM EACH HEAT PUMP UNIT TO EACH CONTROLLER KIT LOCATED WITHIN THE UTILITY COMPARTMENT OF EACH NEW UNIT VENTILATOR.
33. 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. INSTALL REFRIGERANT MAINS AT DIFFERENT ELEVATIONS TO ALLOW LOOPS TO AVOID CONFLICT WITHIN CEILING PLENUM.
34. PROVIDE CLEANOUT PLUG AT LOCATION SHOWN WITHIN CONDENSATE DRAIN PIPING.
35. CONNECT TO EXISTING 3/4" HWS AND 1-1/4" HWR PIPING LINES AT CONNECTION POINT SHOWN UPSTREAM OF PIPING PENETRATIONS THROUGH EXISTING VERTICAL SHEETROCK PIPING CHASE.
36. DISCONNECT, REMOVE AND REINSTALL EXISTING PLYWOOD SERVING AS BOTTOM OF SOFFIT WITHIN CLASSROOM 116.5 AS REQUIRED TO PROVIDE REFRIGERANT RISERS CALLED OUT. UTILIZE EXISTING SCREWS WITHIN PLYWOOD SOFFIT AS REQUIRED TO REMOVE/REINSTALL.
37. LOCATION OF TYPICAL CEILING MOUNTED RELIEF AIR REGISTER DUCTED THROUGH CORRIDOR WALL TO CORRIDOR CEILING PLENUM, TERMINATED OPEN-ENDED ABOVE CEILING PLENUM FOR RELIEF AIR OF CLASSROOMS.
38. PROVIDE DDC SYSTEM CONTROL PANEL/ENCLOSURE AT LOCATION SHOWN TO HOUSE DDC CONTROLLERS, TRANSFORMERS, RELAYS, AND REQUIRED DDC SYSTEM COMPONENTS TO ACCOMPLISH THE SPECIFIED SEQUENCES OF OPERATIONS. (1)

GENERAL NOTES:

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 A MINIMUM OF 40" FROM ANOTHER BRANCH 'Y' CONNECTOR JOINT.
2. REFRIGERANT PIPING NOTE: THE HEAT PUMP SYSTEM MANUFACTURER SHALL INSPECT ALL FIELD INSTALLED REFRIGERANT PIPING PRIOR TO INSULATION INSTALLATION.
3. THE EXISTING SUSPENDED CEILING SYSTEMS LOCATED WITHIN THE SCOPE OF WORK AREA OUTSIDE OF AREAS BEING RENOVATED BY THE GENERAL CONTRACTOR SHALL BE 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 DURING THE INSTALLATION WORK SHALL BE REPLACED BY THE MECHANICAL CONTRACTOR TO MATCH THE EXISTING CEILING TILES.
4. ALL CUTTING, PATCHING, AND FIREPROOFING ASSOCIATED WITH THE INSTALLATION WORK SHALL BE COMPLETED BY THE MECHANICAL CONTRACTOR. PATCHED AREAS SHALL MATCH EXISTING CONDITIONS. ALL REFRIGERANT PIPING AND CONDENSATE PIPING PENETRATIONS THROUGH CORRIDOR WALLS SHALL BE FIREPROOFED PER SPECIFICATION SECTION 078400.
5. ROUTE REFRIGERANT SUCTION AND LIQUID PIPING FROM THE UNIT VENTILATOR DX COIL CONNECTIONS TO THE HEAT PUMP UNITS. SIZE PIPING AND PROVIDE BRANCH CONNECTOR 'Y' JOINTS PER THE DRAWING. CONFIRM PIPING SIZES AND BRANCH CONNECTOR 'Y' JOINT LOCATIONS REQUIRED WITH HEAT PUMP SYSTEM MANUFACTURER.
6. THE SMALLEST VOLUME ROOM THAT THE REFRIGERANT PIPING SYSTEMS ROUTE THROUGH FOR EACH OF THE HEAT PUMP SYSTEMS IS BELOW THE ASHRAE STANDARD 15 REFRIGERANT CONCENTRATION LIMIT OF 26 POUNDS PER 1,000 CUBIC FEET OF ROOM VOLUME FOR OCCUPIED SPACES.
7. PROVIDE FIRESTOPPING PER SPECIFICATION SECTION 078400 AT ALL PIPING PENETRATIONS THROUGH CORRIDOR WALLS AND STORAGE ROOM WALLS.
8. THE UV UTILITY COMPARTMENT SHALL INCLUDE A REMOVABLE FRONT PANEL, STANDARD #1/4-20 HEX FASTENER, STEEL TOP AND BACK WALL F-CHANNEL.
10. ROUTE REFRIGERANT SUCTION-LIQUID PIPING WITHIN UNIT VENTILATOR PIPING TUNNELS AND UNIT VENTILATOR SHELVING SYSTEM TUNNELS TO DX COOLING COIL CONNECTIONS AND UV EXPANSION VALVE KITS PER THE MANUFACTURER'S RECOMMENDATIONS.



A18 PARTIAL FIRST FLOOR PLAN - SOUTHEAST

1/8" = 1'-0"

ARCHITECT

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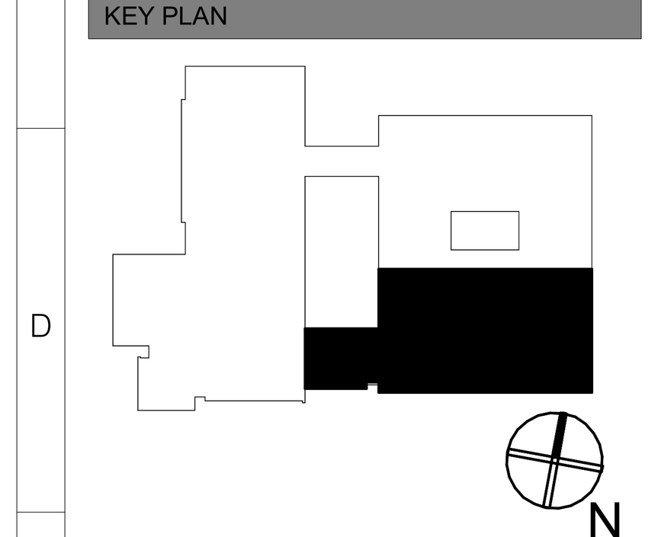
NUFSD BOND PROJECTS PH3

☐ 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

KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

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

SHEET NAME: PARTIAL FIRST FLOOR PLAN - SOUTHEAST

SHEET NUMBER: BM-M112

ISSUE FOR BID SET

7/11/2023 3:23:17 PM

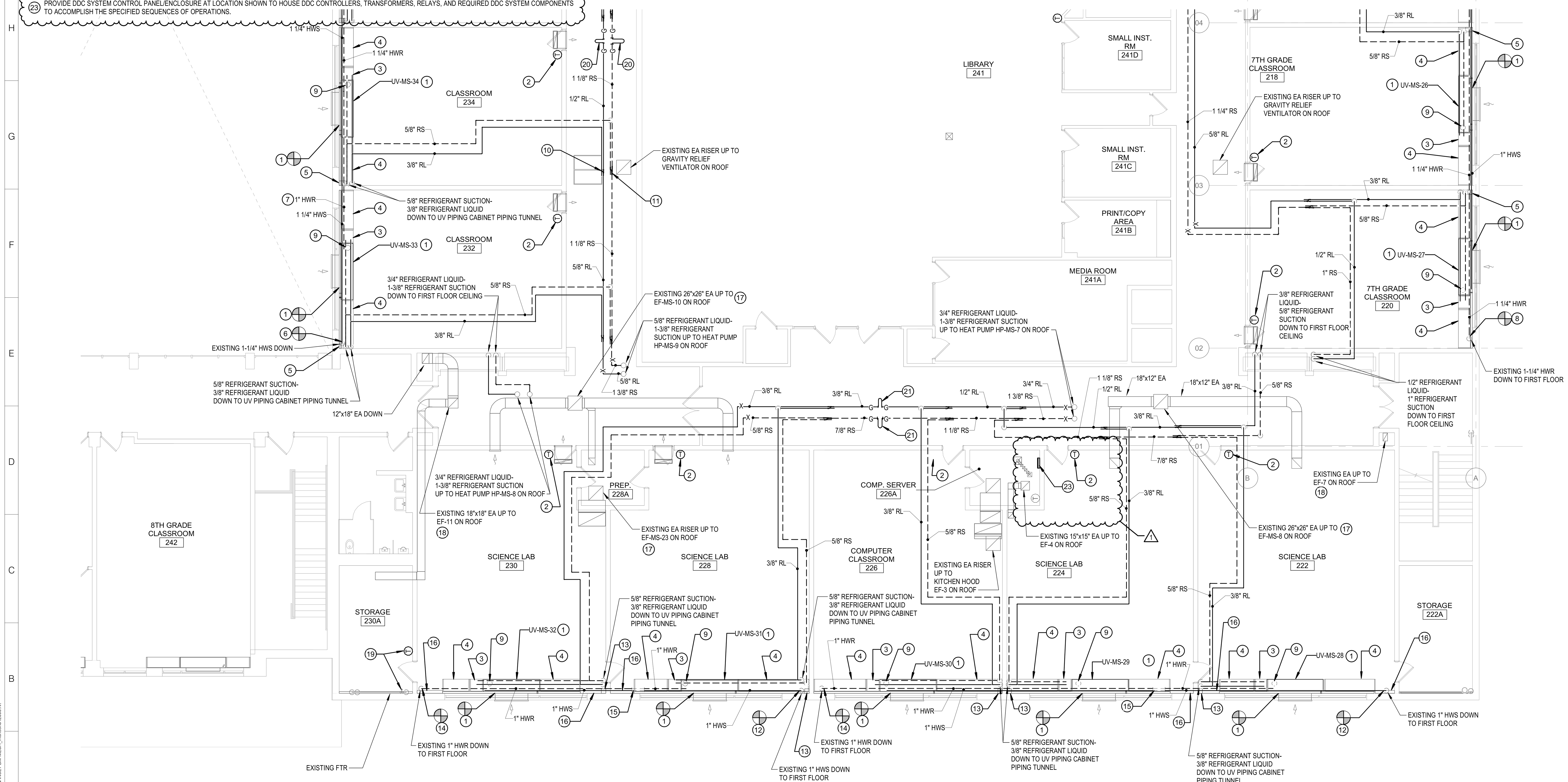
PROJECT NUMBER: 2111002.00

KEYED 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 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 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. PROVIDE REPLACEMENT TEMPERATURE SENSOR AT LOCATION SHOWN AND UTILIZE FOR SPACE TEMPERATURE CONTROL OF UNIT VENTILATOR AS REQUIRED. PROVIDE CONTROL WIRING BETWEEN SENSOR AND UNIT VENTILATOR DDC CONTROLLER AS REQUIRED.
3. 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 CONTROLLER 2. VARIABLE REFRIGERANT VOLUME CONTROL BOX AND 3. VARIABLE REFRIGERANT VOLUME EXPANSION VALVE KIT.
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 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 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 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 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.
5. PROVIDE 12" 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.
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.
7. ROUTE 1" HWR FROM UV-MS-33 HEATING COIL WITHIN SHELVING CABINET PIPING TUNNEL TO CLASSROOM 234 PIPING TUNNEL.
8. 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 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.
13. 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.
14. 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.
15. PROVIDE 1" EXPANSION COMPENSATORS ON THE HWS/HWR PIPING MAINS ROUTED WITHIN THE UNIT VENTILATOR PIPING TUNNEL AT LOCATION SHOWN. THE COMPENSATORS 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 HWS AND HWR COMPENSATORS.
16. 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.
17. PROVIDE MOTORIZED DAMPER WITHIN EXISTING EA DUCT RISER. MODIFY EA RISER AS REQUIRED FOR DAMPER INSTALLATION. TIE CONTROL OF DAMPER TO OPERATION OF REPLACEMENT ROOFTOP EXHAUST FAN CONNECTED TO EA RISER.
18. 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.
20. 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" 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.
21. 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.
22. LOCATION OF TYPICAL CEILING MOUNTED RELIEF AIR REGISTER DUCTED THROUGH CORRIDOR WALL TO CORRIDOR CEILING PLENUM, TERMINATED OPEN-ENDED ABOVE CEILING PLENUM FOR RELIEF AIR OF CLASSROOMS.
23. PROVIDE DDC SYSTEM CONTROL PANEL/ENCLOSURE AT LOCATION SHOWN TO HOUSE DDC CONTROLLERS, TRANSFORMERS, RELAYS, AND REQUIRED DDC SYSTEM COMPONENTS TO ACCOMPLISH THE SPECIFIED SEQUENCES OF OPERATIONS. (1)

GENERAL NOTES:

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 A MINIMUM OF 40" FROM ANOTHER BRANCH 'Y' CONNECTOR JOINT.
2. REFRIGERANT PIPING NOTE: THE HEAT PUMP SYSTEM MANUFACTURER SHALL INSPECT ALL FIELD INSTALLED REFRIGERANT PIPING PRIOR TO INSULATION INSTALLATION.
3. THE EXISTING SUSPENDED CEILING SYSTEMS LOCATED WITHIN THE SCOPE OF WORK AREA OUTSIDE OF AREAS BEING RENOVATED BY THE GENERAL CONTRACTOR SHALL BE 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 DURING THE INSTALLATION WORK SHALL BE REPLACED BY THE MECHANICAL CONTRACTOR TO MATCH THE EXISTING CEILING TILES.
4. ALL CUTTING, PATCHING, AND FIREPROOFING ASSOCIATED WITH THE INSTALLATION WORK SHALL BE COMPLETED BY THE MECHANICAL CONTRACTOR. PATCHED AREAS SHALL MATCH EXISTING CONDITIONS. ALL REFRIGERANT PIPING AND CONDENSATE PIPING PENETRATIONS THROUGH CORRIDOR WALLS SHALL BE FIREPROOFED PER SPECIFICATION SECTION 078400.
5. ROUTE REFRIGERANT SUCTION AND LIQUID PIPING FROM THE UNIT VENTILATOR DX COIL CONNECTIONS TO THE HEAT PUMP UNITS. SIZE PIPING AND PROVIDE BRANCH CONNECTOR 'Y' JOINTS PER THE DRAWING. CONFIRM PIPING SIZES AND BRANCH CONNECTOR 'Y' JOINT LOCATIONS REQUIRED WITH HEAT PUMP SYSTEM MANUFACTURER.
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 THE ROOF PENETRATION OF EACH HEAT PUMP SYSTEM.
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 REFRIGERANT CONCENTRATION LIMIT OF 26 POUNDS PER 1,000 CUBIC FEET OF ROOM VOLUME FOR OCCUPIED SPACES.
8. PROVIDE FIRESTOPPING PER SPECIFICATION SECTION 078400 AT ALL PIPING PENETRATIONS THROUGH CORRIDOR WALLS AND STORAGE ROOM WALLS.
9. THE UV UTILITY COMPARTMENT SHALL INCLUDE A REMOVABLE FRONT PANEL, STANDARD #1/4-20 HEX FASTENER, STEEL TOP AND BACK WALL F-CHANNEL.
10. ROUTE REFRIGERANT SUCTION-LIQUID PIPING WITHIN UNIT VENTILATOR PIPING TUNNELS AND UNIT VENTILATOR SHELVING SYSTEM TUNNELS TO DX COOLING COIL CONNECTIONS AND UV EXPANSION VALVE KITS PER THE MANUFACTURER'S RECOMMENDATIONS.



A18 PARTIAL SECOND FLOOR PLAN - SOUTHEAST

1/8" = 1'-0"

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REGISTRATION EXPIRES: 11/30/2023

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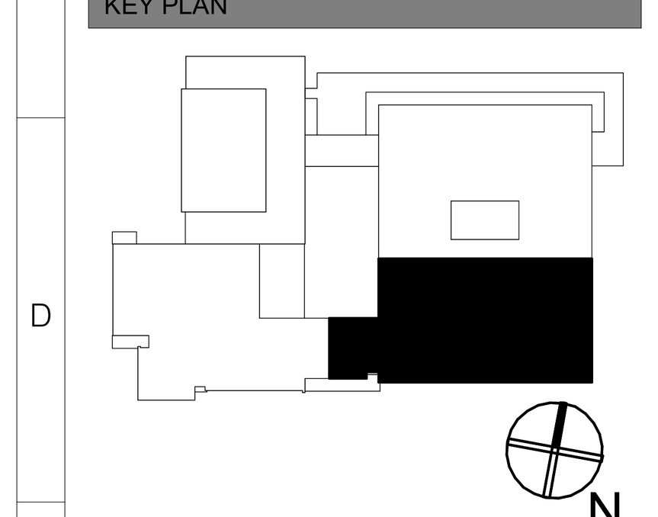
NUFSD BOND PROJECTS PH3

☐ 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

KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE
DATE: 06/06/2023
SCALE: 1/8" = 1'-0"
SHEET NAME: PARTIAL SECOND FLOOR PLAN - SOUTHEAST
SHEET NUMBER: BM-M115

ISSUE FOR BID SET

DRAWN BY: Author
CHECKED BY: Checker
C:\Users\JohnV\Documents\3986 NANUET-BM-MECH_munson312000.rvt
7/11/2023 3:23:18 PM

GENERAL NOTES:

1. SEE BM-E001 FOR GENERAL PROJECT NOTES.
2. PROVIDE TRENCHING AND BACKFILL FOR ALL UNDERGROUND CONDUITS. PROVIDE TRENCHING FOR UTILITY TRANSFORMER PRIMARY AND SECONDARY CONDUITS PER UTILITY STANDARDS.
3. PROVIDE CONCRETE PADS WHERE INDICATED. PROVIDE PAD FOR UTILITY TRANSFORMER PER UTILITY SPECIFICATIONS.

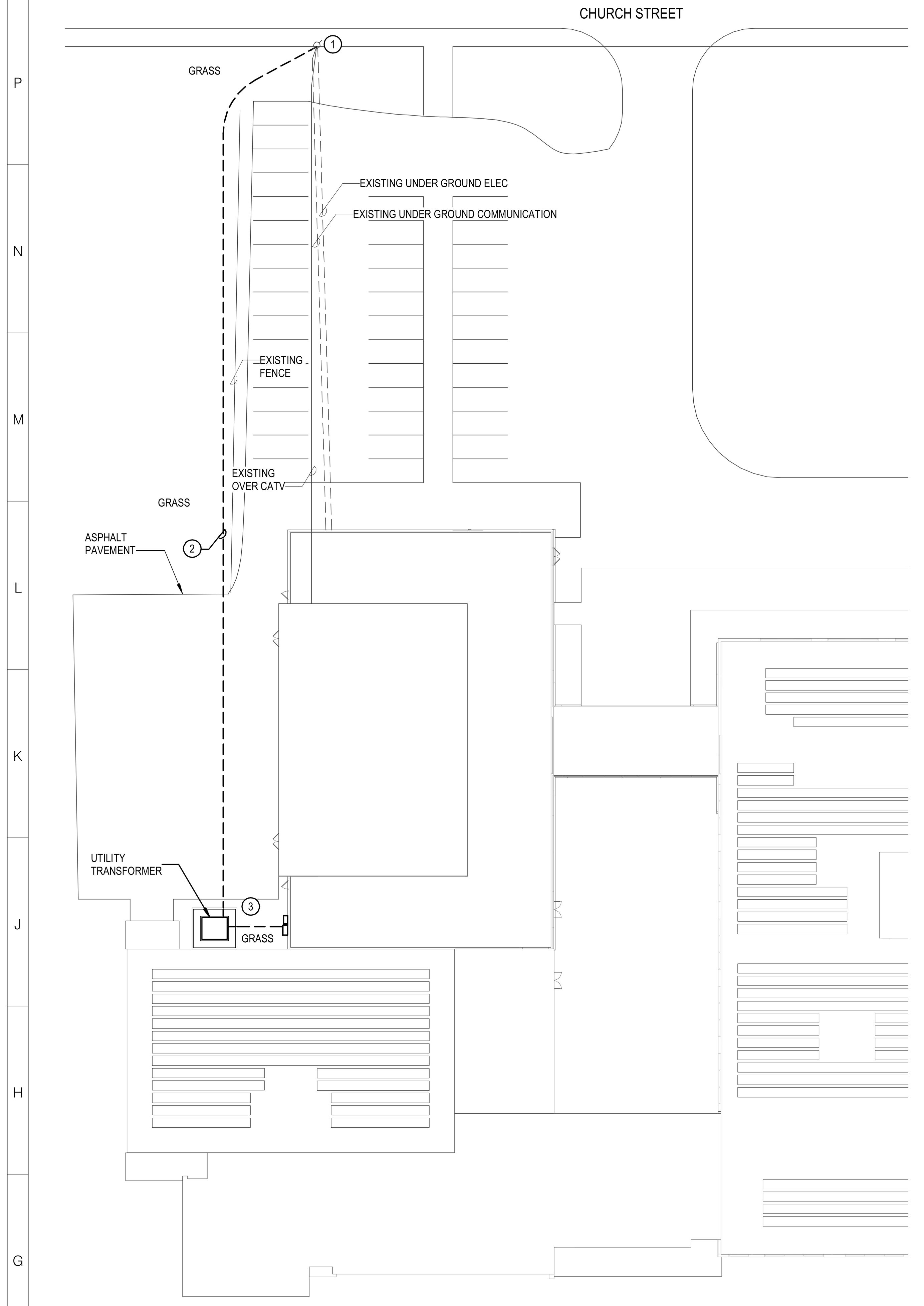
KEYED NOTES:

(1) PROVIDE 4" CONDUIT RISER UP EXISTING UTILITY POLE. PROVIDE 50 FEET SLACK IN CONDUCTORS AND COIL FOR USE BY UTILITY. PROVIDE 2-4" CONDUITS FROM UTILITY POLE TO LOCATION OF PAD MOUNT TRANSFORMER. PROVIDE PRIMARY CABLE MEETING UTILITY SPECIFICATIONS.

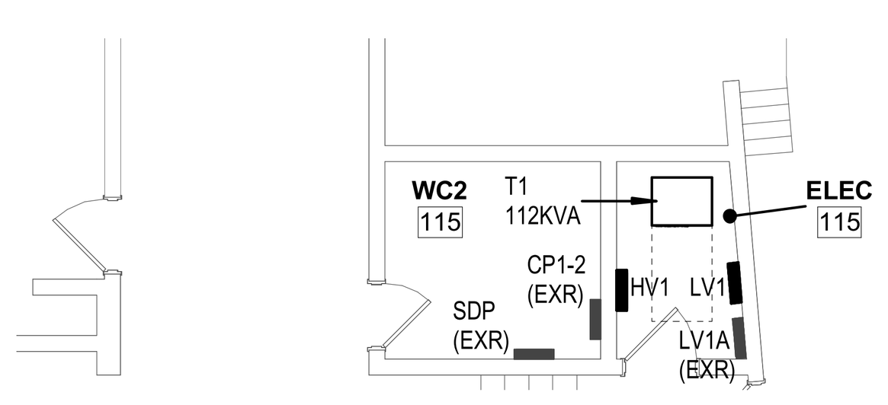
(2) PROVIDE TRENCHING, BACKFILL, AND RESTORATION FOR ALL UNDERGROUND CONDUITS. PROVIDE TRENCHING FOR UTILITY TRANSFORMER PRIMARY AND SECONDARY CONDUITS PER UTILITY STANDARDS (UTILITY IS ORANGE AND ROCKLAND).

(3) PROVIDE CONCRETE TRANSFORMER PAD AND CONTAINMENT PER UTILITY STANDARDS.

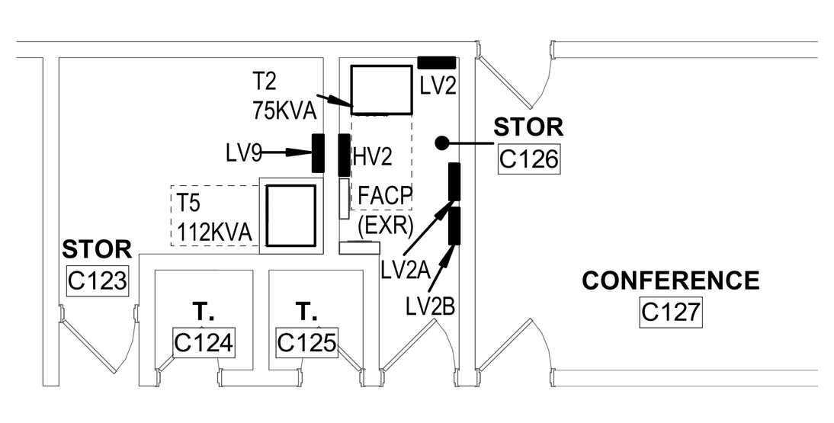
(4) DISCONNECT AND REMOVE EXISTING UNIT VENTILATOR CIRCUITING BACK TO SOURCE, COORDINATE REMOVALS WITH MECHANICAL CONTRACT. PROVIDE CIRCUITING TO NEWLY INSTALLED UNIT VENTILATORS. PROVIDE FIRE ALARM CONTROL RELAY FOR EACH CIRCUIT TO SHUTDOWN UV'S ON ACTIVATION OF THE FIRE ALARM SYSTEM.



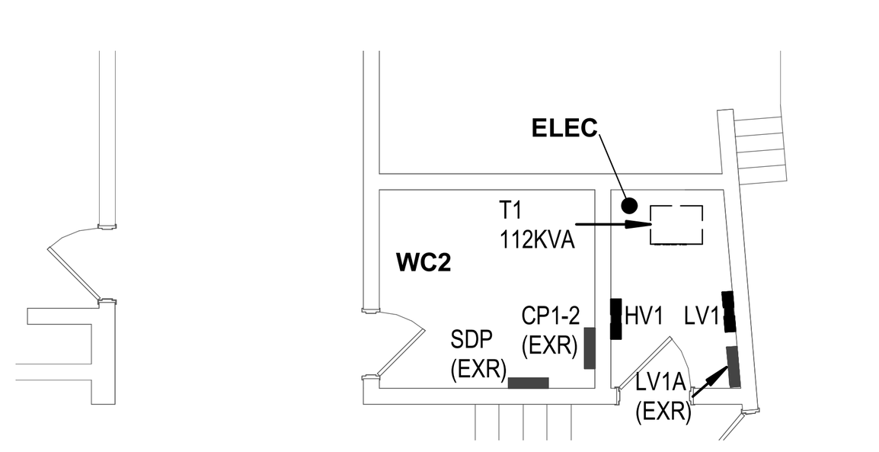
H15 PARTIAL SITE ELECTRICAL PLAN
1" = 30'-0"



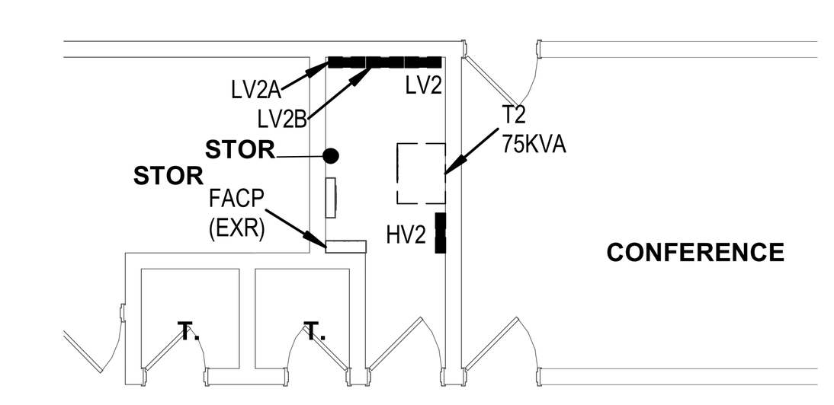
C18 ENLARGED ELEC 115 ELECTRICAL PLAN
1/8" = 1'-0"



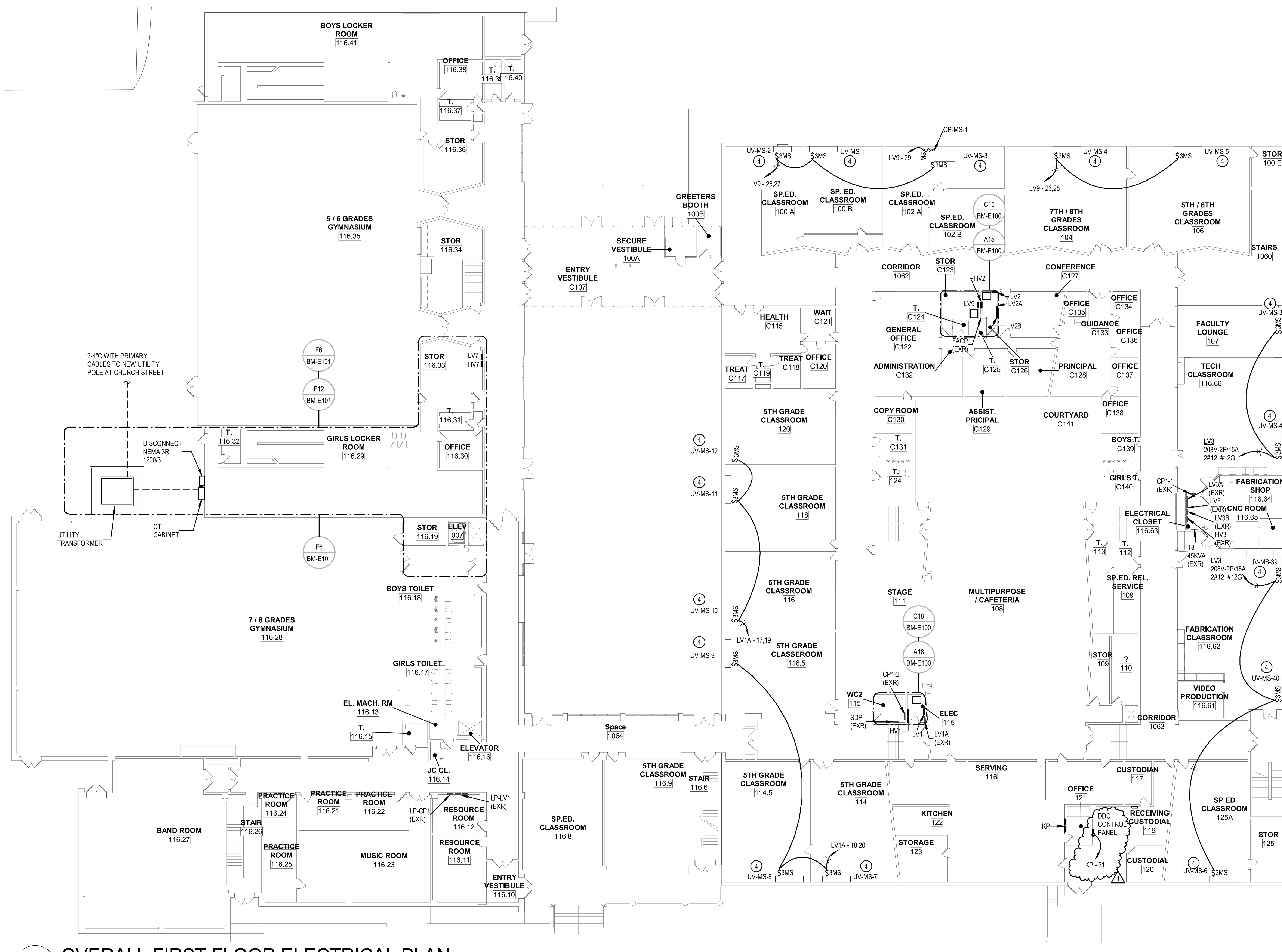
C15 ENLARGED STORAGE 126 ELECTRICAL PLAN
1/8" = 1'-0"



A18 ENLARGED ELEC 115 REMOVALS PLAN
1/8" = 1'-0"



A15 ENLARGED STORAGE 126 REMOVALS PLAN
1/8" = 1'-0"



A12 OVERALL FIRST FLOOR ELECTRICAL PLAN
1/16" = 1'-0"

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REGISTRATION EXPIRES: 10/31/2023

NANUET

NUFSD BOND PROJECTS PH3

SED #: 50-01-08-03-0-003-034

103 Church St, Nanuet, NY 10954

REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	7/12/23

ISSUED: BID SET ISSUANCE
DATE: 06/06/2023
SCALE: As indicated
SHEET NAME: OVERALL FIRST FLOOR AND PARTIAL SITE ELECTRICAL PLANS
SHEET NUMBER: BM-E100

ISSUE FOR BID SET

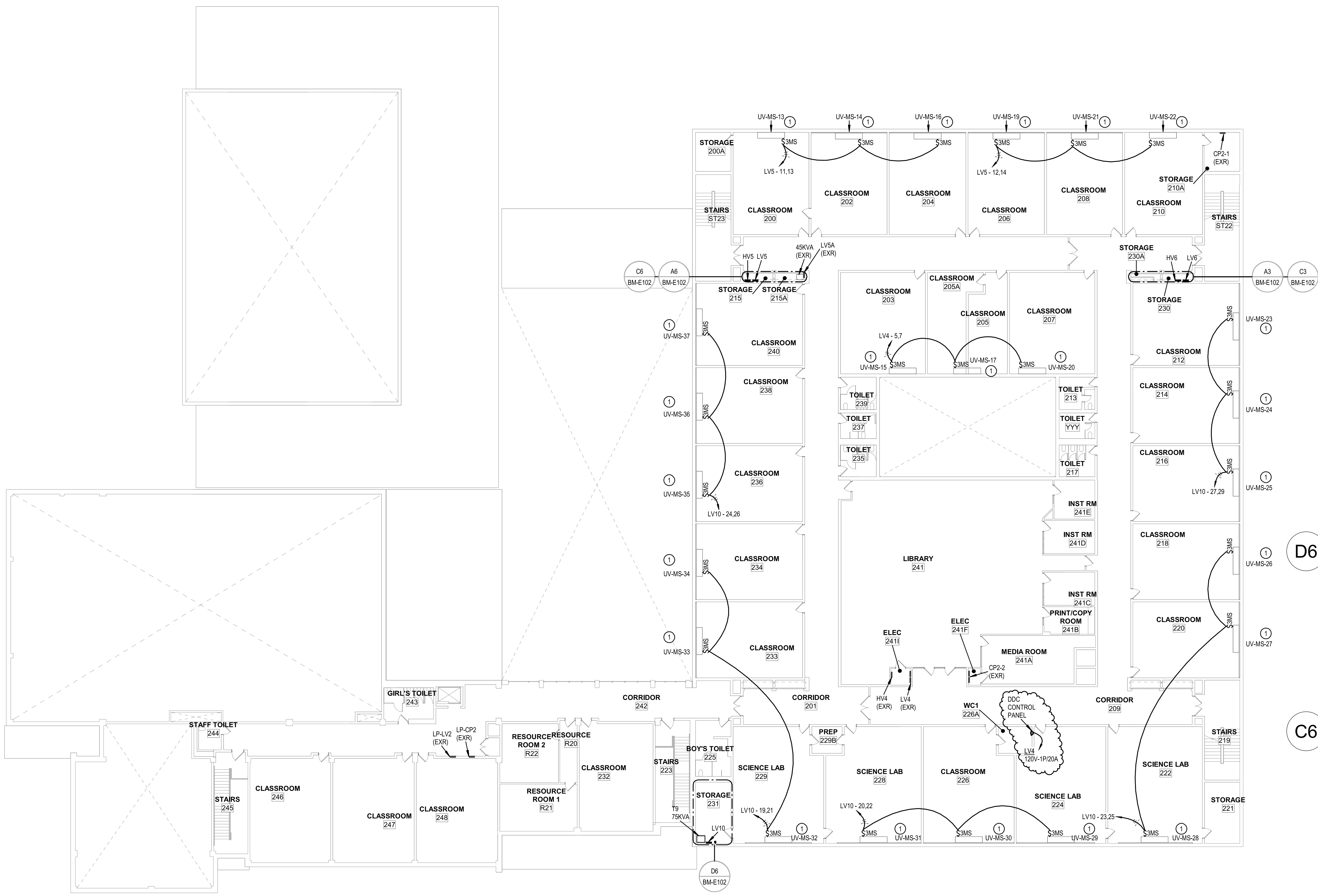
PROJECT NUMBER: 2211002.00

GENERAL NOTES:

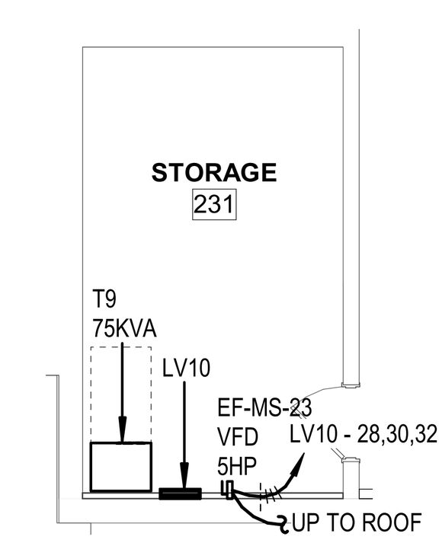
1. SEE BM-E001 FOR GENERAL PROJECT NOTES.

KEYED NOTES:

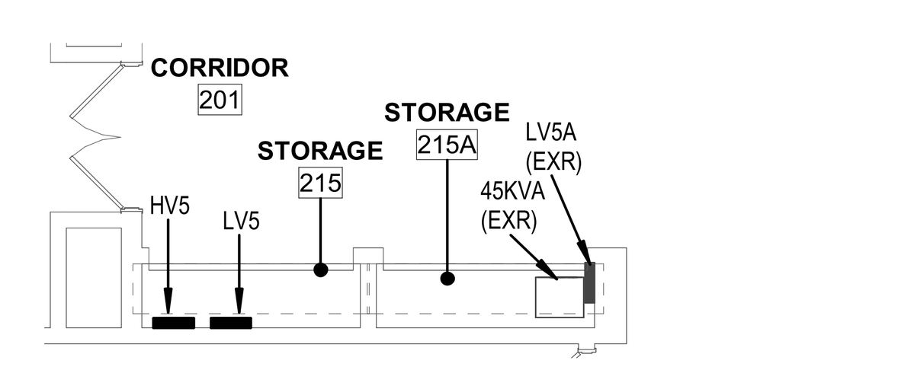
1. DISCONNECT AND REMOVE EXISTING UNIT VENTILATOR CIRCUITING BACK TO SOURCE, COORDINATE REMOVALS WITH MECHANICAL CONTRACT. PROVIDE CIRCUITING TO NEWLY INSTALLED UNIT VENTILATORS. PROVIDE FIRE ALARM CONTROL RELAY FOR EACH CIRCUIT TO SHUTDOWN UV'S ON ACTIVATION OF THE FIRE ALARM SYSTEM.



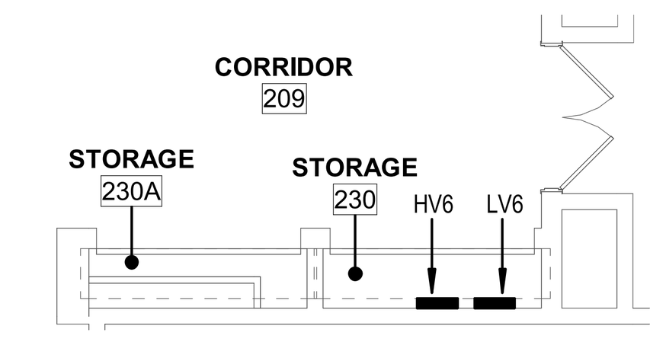
A18 OVERALL SECOND FLOOR ELECTRICAL PLAN
1/16" = 1'-0"



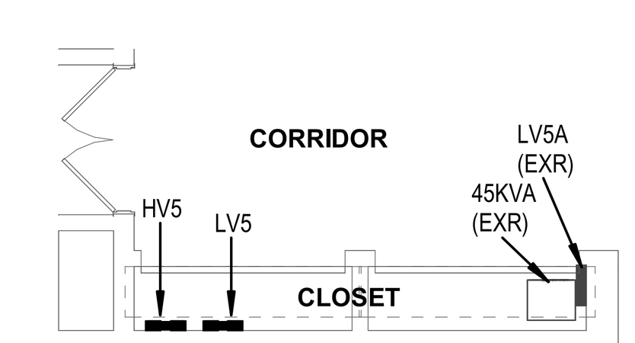
D6 ENLARGED STORAGE 231 ELECTRICAL PLAN
1/8" = 1'-0"



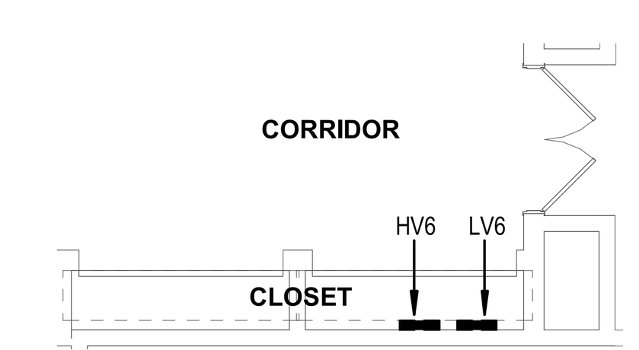
C6 ENLARGED STORAGE 215 ELECTRICAL PLAN
1/8" = 1'-0"



C3 ENLARGED STORAGE 230 ELECTRICAL PLAN
1/8" = 1'-0"



A6 ENLARGED STORAGE 215 REMOVALS PLAN
1/8" = 1'-0"



A3 ENLARGED STORAGE 230 REMOVALS PLAN
1/8" = 1'-0"

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REGISTRATION EXPIRES: 10/31/2025

NANUET

NUFSD BOND PROJECTS PH3

SED #: 50-01-08-03-0-003-034

103 Church St, Nanuet, NY 10954

REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	7/12/23

ISSUED: BID SET ISSUANCE
DATE: 06/06/2023
SCALE: As indicated
SHEET NAME: OVERALL SECOND FLOOR ELECTRICAL PLAN
SHEET NUMBER: BM-E102

ISSUE FOR BID SET

NAME: HV1 — PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 480Y/277	PHASE: 3	WIRE: 4
MAIN RATING: 200 A	MCB: 200 A	MIN AIC RATING: 14,000	AMPS RMS SYM
OTHER:		LOCATION: ELEC 115	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	LGT PARKING AREA	--	--	20	1	0			0			1	20	--	--	LGT SIDEWALK EAST	2
3	LGT SIDEWALK REAR	--	--	20	1		0			0		1	20	--	--	SPARE	4
5	LGT SIDEWALK NW	--	--	20	1			0			0	1	20	--	--	SPARE	6
7	LGT CORRDIOR 108	--	--	20	1	0			0			1	20	--	--	LGT CAFE	8
9	LGT MUSIC 114	--	--	20	1		0			0		1	20	--	--	LGT CAFE	10
11	LGT BAND ROOM 116	--	--	20	1			0			0	1	20	--	--	LGT KITCHEN	12
13	INCINERATOR	--	--	20	1	0			0			1	20	--	--	SUPPLY FAN #1	14
15																	16
17																	18
19	LV1 VIA XFMR T-3	8114	SEE RISER	175	3	4557			0			3	200	SEE RISER	0	HV4	20
21	--	--	--	--	--		0			0		--	--	--	--	--	22
23	--	--	--	--	--			3557			0	--	--	--	--	--	24

NAME: LV1 — PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 208Y/120	PHASE: 3	WIRE: 4
MAIN RATING: 400 A	MCB: 400 A	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:		LOCATION: ELEC 115	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	LGT STAGE	--	--	20	1	0			0			1	20	--	--	LGT MUSIC PRACTICE	2
3	RECEPT VC CORRIDOR 108	--	--	20	1		0			0		1	20	--	--	KITCHEN AND CUST OFFICE	4
5	RECEPT MUSIC PRACTICE	--	--	20	1			0			0	1	20	--	--	RECEPT WOOD WALL	6
7	RECEPT MUSIC AREA	--	--	20	1	0			0			1	20	--	--	RECEPT TEACHERS DINING	8
9	RECEPT CAFE	--	--	20	1		0			0		1	20	--	--	RECEPT TEACHERS WORK ROOM	10
11	RECEPT ROOM 116-118	--	--	20	1			0			0	1	20	--	--	COMP	12
13	COMP	--	--	20	1	0			0			1	20	--	--	EMERGENCY UNIT STAGE	14
15	RECEPT WATER COOLER	--	--	20	1		0			**0**		**1**	**20**	**--**	**--**	**UNIT HEATER KITCYHEN**	**16**
17	RECEPT VC CAFE	--	--	20	1			0			**0**	**1**	**20**	**--**	**--**	**UNIT HEATER KITCYHEN**	**18**
19	VENDING MCHINES	--	--	20	1	0			0			1	20	--	--	INCINERATOR	20
21	RECEPT STAGE	--	--	20	1		0			0		1	20	--	--	TIME CLOCK	22
23	RECEPT STAGE	--	--	20	1			0			0	1	20	--	--	LIGT POLES	24
25	EMERGENCY CAFE	--	--	20	1	0			0			2	20	--	--	CONTACTOR FOR CAFT HOUSE LGT DIMMER	26
27	SPARE	--	--	20	2		0			0		--	--	--	--	--	28
29	--	--	--	--	--			0			0	1	20	--	--	LGT HOUSE CAFE	30
31	LV1A	4742	SEE RISER	100	3	2371											32
33	--	--	--	--	--		0										34
35	--	--	--	--	--			2371									36
37	LV4	2871	SEE RISER	200	3	1686			500			3	200	SEE RISER	500	KP	38
39	--	--	--	--	--		0			0		--	--	--	--	--	40
41	--	--	--	--	--			1186			0	--	--	--	--	--	42

NAME: LV1A — EXISTING PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 208Y/120	PHASE: 3	WIRE: 4
MAIN RATING: 100 A	MCB:	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:		LOCATION: ELEC 115	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	**WINDOW AC RM 115B**	**--**	**--**	**20**	**2**	**0**			**0**			**2**	**20**	**--**	**--**	**WINDOW AC RM 118**	**2**
3	**--**	**--**	**--**	**--**	**--**		**0**			**0**		**--**	**--**	**--**	**--**	**--**	**4**
5	**WINDOW AC RM 116A**	**--**	**--**	**20**	**2**			**0**			**0**	**2**	**20**	**--**	**--**	**WINDOW AC RM 120**	**6**
7	**--**	**--**	**--**	**--**	**--**	**0**			**0**			**--**	**--**	**--**	**--**	**--**	**8**
9	**WINDOW AC RM 114**	**--**	**--**	**20**	**2**		**0**										10
11	**--**	**--**	**--**	**--**	**--**			**0**									12
13																	14
15																	16
17	UNIT VENTILATOR Room 120, 118, 116	2371	2#12, #12G	15	2			1186			1186	2	15	2#12, #12G	2371	UNIT VENTILATOR Room 114, 114.5, 116.5	18
19	--	--	--	--	--	1186			1186			--	--	--	--	--	20

NAME: KP — 2-SECTION PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 208Y/120	PHASE: 3	WIRE: 4
MAIN RATING: 200 A	MCB: 200 A	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:		LOCATION: KITCHEN 122	

NOTES:
125 A SUB-FEED BREAKER DISHWASHER BOOSTER

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	REFRIGERATOR	--	--	20	1	0			0			1	20	--	--	ICE FREEZER	2
3	RECEPT SERVING AREA	--	--	20	1		0			0		1	20	--	--	RECEPT SERVING AREA	4
5	RECEPT SERVING AREA	--	--	20	1			0			0	1	20	--	--	RECEPT SERVING AREA	6
7	MIXER	--	--	20	1	0			0			1	20	--	--	RECEPT SERVING AREA	8
9	WORK TABLE	--	--	20	1		0			0		1	20	--	--	HOT FOOD COUNTER	10
11	RECEPT WORK TABLE	--	--	20	1			0			0	1	20	--	--	SPARE	12
13	COLD FOOD COUNTER	--	--	20	1	0			0			1	20	--	--	SPARE	14
15	RECEPT BAKERS TABLE	--	--	20	1		0			0		1	20	--	--	CASH REGISTER	16
17	ICE CREAM AND MILK CABINET	--	--	20	1			0			0	1	20	--	--	RECEPT SERVING AREA	18
19	SPARE	--	--	20	1	0			0			1	20	--	--	RECEPT SERVING AREA	20
21	BLOWER REFIGERATOR	--	--	20	1		0			0		1	20	--	--	FREEZER LIGHTS	22
23	HOOD LIGHTS	--	--	20	1			0			0	1	20	--	--	REFIGERATOR LIGHTS	24
25	UPRIGHT REFIGERATOR	--	--	20	1	0			0			1	20	--	--	RECEPTS COMPUTER RM 226	26
27	ICE MACHINE	--	--	20	1		0			0		1	20	--	--	RECEPTS COMPUTER RM 226	28
29	EXISTING LOAD	--	--	20	1			0			0	1	20	--	--	HOT FOOD COUNTER TEACHER RM	30
31	DDC PANEL RECEIVING CUSTODIAL 119	500	#12	20	1	500			0			2	20	--	--	SPARE	32
33										0		--	--	--	--	--	34
35											0	2	20	--	--	BUCK FREEZER	36
37	[3] FRONT WALK-IN FREEZER/REFRIGERATOR...	--	--	20	2	0			0			--	--	--	--	--	38
39	--	--	--	--	--		0			0		2	20	--	--	SPARE	40
41	[5] SPARE	--	--	20	2			0			0	--	--	--	--	--	42
43	--	--	--	--	--	0			0			2	20	--	--	[8] MIXER	44
45	[7] FREEZER COMPRESSOR	--	--	20	2		0			0		--	--	--	--	--	46
47	--	--	--	--	--			0			0	2	20	--	--	[10] EXISTING LOAD (NG)	48
49	[11] DISH WASHER	--	--	20	2	0			0			--	--	--	--	--	50
51	--	--	--	--	--		0			0		2	20	--	--	[12] HOT FOOD TABLE EAST SIDE	52
53	[13] SPARE	--	--	20	2			0			0	--	--	--	--	--	54
55	--	--	--	--	--	0			0			2	20	--	--	[14] HOT FOOD TABLE	56
57										0		--	--	--	--	--	58
59																	60

NAME: HV2 — PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 480Y/277	PHASE: 3	WIRE: 4
MAIN RATING: 200 A	MCB: 200 A	MIN AIC RATING: 14,000	AMPS RMS SYM
OTHER:		LOCATION: STOR C126	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	SUPPLY FAN 3 COPY ROOM OFFICE	--	--	20	3	0			0			1	20	--	--	LGT ROOM 102	2
3	--	--	--	--	--		0			0		1	20	--	--	LGT ROOM 100	4
5	--	--	--	--	--			0			0	1	20	--	--	LGT ROOM 104	6
7	LGT ROOM 118-120	--	--	20	1	0			0			1	20	--	--	LGT ROOM 104-106	8
9	LGT HEALTH ROOM	--	--	20	1		0			0		1	20	--	--	LGT OFFICE AREA	10
11	LGT CORRIDOR AREA	--	--	20	1			0			0	1	20	--	--	LGT GUIDANCE AREA	12
13	LGT CORRIDOR 136	--	--	20	1	0			2371			3	125	SEE RISER	4742	LV2 VIA XFMR T-2	14
15	LGT ROOM 118, 120	--	--	20	1		0			2371		--	--	--	--	--	16
17											0	--	--	--	--	--	18
19	LV5A VIA XFMR	0	SEE RISER	50	3	0			0			3	60	SEE RISER	0	HV5	20
21	--	--	--	--	--		0			0		--	--	--	--	--	22
23	--	--	--	--	--			0			0	--	--	--	--	--	24

NAME: LV2 — PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 208Y/120	PHASE: 3	WIRE: 4
MAIN RATING: 400 A	MCB: 300 A	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:		LOCATION: STOR C126	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	LGT EXTERIOR CANOPY	--	--	20	1	0			0			1	20	--	--	LGT VAULT, TOILET, STORAGE	2
3	LGT EXTERIOR CANOPY	--	--	20	1		0			0		1	20	--	--	LGT TOILET	4
5	LGT EXTERIOR CANOPY	--	--	20	1			0			0	1	20	--	--	LGT VAULT, TOILET, STORAGE	6
7	LGT EXTERIOR BUILDING	--	--	20	1	0			0			1	20	--	--	EXISTING LOAD	8
9	LGT EXTERIOR BUILDING	--	--	20	1		0			0		1	20	--	--	STAGE AMPLIFIER	10
11	RECEPT NURSES ROOM	--	--	20	1			0			0	1	20	--	--	SOUND SYSTEM	12
13	RECEPT ROOM 120 AND EMAN	--	--	20	1	0			0			1	20	--	--	RECEPT CONF ROOM, GUIDENCE, LIB	14
15	RECEPT VC, CORRIDOR 111	--	--	20	1		0			0		1	20	--	--	RECEPT GUIDENCE	16
17	RECEPT PRINCIPAL,VICE PRINCIPAL	--	--	20	1			0			0	1	20	--	--	RECEPTS VC, CORR 142	18
19	RECEPT GENERAL OFFICE	--	--	20	1	0			0			1	20	--	--	EMERG UNIT ROOM 106A	20
21	FLOOR RECEPT GENERAL OFFICE	--	--	20	1		0			0		1	20	--	--	SPARE	22
23	VC CORRIDOR 136	--	--	20	1			0			0	1	20	--	--	SPARE	24
25	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	26
27	EMERG UNIT ROOM 100	--	--	20	1		0			0		1	20	--	--	SPARE	28
29	TELEPHONE POWER	--	--	20	1			0			0	1	20	--	--	SPARE	30
31	**AIR COND GENERAL OFFICE**	**--**	**--**	**20**	**2**	**0**			**0**			**2**	**20**	**--**	**--**	**A/C GUIDENCE 220V 32 AND 34**	**32**
33	**--**	**--**	**--**	**--**	**--**		**0**			**0**		**--**	**--**	**--**	**--**	**--**	**34**
35	**AIR COND VICE PRINCIPAL OFFICE**	**--**	**--**	**20**	**2**			**0**			**0**	**2**	**20**	**--**	**--**	**AIR COND PRINCIPAL OFFICE**	**36**
37	**--**	**--**	**--**	**--**	**--**	**0**			**0**			**--**	**--**	**--**	**--**	**--**	**38**
39	LV2A	0	SEE RISER	200	3		0			2371		3	125	SEE RISER	4742	LV5	40
41	--	--	--	--	--			0			0	--	--	--	--	--	42
43	--	--	--	--	--	0			2371			--	--	--	--	--	44
45	LV2B	0	SEE RISER	100	3		0										46
47	--	--	--	--	--			0									48
49	--	--	--	--	--	0											50

NAME: LV2A — PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 208Y/120	PHASE: 3	WIRE: 4
MAIN RATING: 200 A	MCB:	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:		LOCATION: STOR C126	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	RECEPT ROOM 100	--	--	20	1	0			0			1	20	--	--	RECEPT ROOM 102	2
3	RECEPT ROOM 100	--	--	20	1		0			0		1	20	--	--	RECEPT ROOM 102	4
5	RECEPT ROOM 100	--	--	20	1			0			0	1	20	--	--	RECEPT ROOM 102	6
7	RECEPT ROOM 100	--	--	20	1	0			0			1	20	--	--	RECEPT ROOM 102	8
9	RECEPT ROOM 100	--	--	20	1		0			0		1	20	--	--	RECEPT ROOM 102	10
11	RECEPT ROOM 100	--	--	20	1			0			0	1	20	--	--	RECEPT ROOM 102	12
13	RANGE/OVEN ROOM 100	--	--	0	2	0			0			1	20	--	--	RECEPT ROOM 104-106	14
15	--	--	--	--	--		0			0		1	20	--	--	RECEPT ROOM 104-106	16
17	RANGE/OVEN ROOM 100	--	--	0	2			0			0	1	20	--	--	RECEPT ROOM 104-106	18
19	--	--	--	--	--	0			0			1	20	--	--	SPARE	20
21	SPARE	--	--	0	1		0			0		1	20	--	--	SPARE	22
23	TOP RANGE ROOM 100	--	--	0	2			0			0	2	0	--	--	TOP RANGE ROOM 102	24
25	--	--	--	--	--	0			0			--	--	--	--	--	26
27	COPY MACHINE	--	--	0	2		0			**0**		**2**	**100**	**--**	**--**	**AC SUB PANEL (LV5A)**	**28**
29	--	--	--	--	--			0			**0**	**--**	**--**	**--**	**--**	**--**	**30**
31	KILN ROOM 106	--	--	0	2	0			0			2	0	--	--	KILN ROOM 104	32
33	--	--	--	--	--		0			0		--	--	--	--	--	34
35	RANGE ROOM 100	--	--	0	2			0			0	2	0	--	--	RANGE ROOM 102	36
37	--	--	--	--	--	0			0			--	--	--	--	--	38
39																	40
41																	42

NAME: LV2B — PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 208Y/120	PHASE: 3	WIRE: 4
MAIN RATING: 100 A	MCB: 100 A	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:		LOCATION: STOR C126	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	**UNIT VENTS ROOMS 234-240**	**--**	**--**	**20**	**1**	**0**			**0**			**1**	**20**	**--**	**--**	**UNIT VENTS ROOMS 200-204**	**2**
3	**UNIT VENTS ROOMS 226-232**	**--**	**--**	**20**	**1**		**0**			**0**		**1**	**20**	**--**	**--**	**UNIT VENTS ROOMS 206-210**	**4**
5	**UNIT VENTS ROOMS 224-224**	**--**	**--**	**20**	**1**			**0**			**0**	**1**	**20**	**--**	**--**	**UNIT VENTS ROOMS 203,205,207,212**	**6**
7	**UNIT VENTS ROOMS 120,118,112**	**--**	**--**	**20**	**1**	**0**			**0**			**1**	**20**	**--**	**--**	**UNIT VENTS ROOMS 214-220**	**8**
9	**UNIT VENTS ROOMS 114-116 AND KITCHEN STORAGE**	**--**	**--**	**20**	**1**		**0**			0		1	20	--	--	SPARE	10
11	RANGE HOODS ROOM 100	--	--	20	1			0			**0**	**1**	**20**	**--**	**--**	**UNIT VENTS ROOMS 100-106**	**12**
13	SPARE	--	--	20	1	0			0			1	20	--	--	HAND DRYERS	14
15	SPARE	--	--	20	1		0			0		1	20	--	--	HAND DRYERS	16
17	HAND DRYERS	--	--	20	1			0			0	1	20	--	--	HAND DRYERS	18
19	**AIR CONDITIONERS**	**--**	**--**	**20**	**1**	**0**			0			1	20	--	--	SPARE	20
21	**AIR CONDITIONERS**	**--**	**--**	**20**	**1**		**0**			0		1	20	--	--	PHONE SYSTEM	22
23	**RANGE HOODS ROOM 108-110**	**--**	**--**	**20**	**1**			**0**			**0**	**1**	**20**	**--**	**--**	**JOHNSON PROGRAM CLOCK FOR HEATING SYSTEM**	**24**

NAME: HV5 — PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 480Y/277	PHASE: 3	WIRE: 4
MAIN RATING: 60 A	MCB:	MIN AIC RATING: 14,000	AMPS RMS SYM
OTHER:		LOCATION: STORAGE 215	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	LGT STORAGE 200	--	--	20	1	0			0			1	20	--	--	LGT RM 238, 240	2
3	LGT CORR 220	--	--	20	1		0			0		1	20	--	--	LGT RM 234, 236	4
5	LGT RM 203, 205	--	--	20	1			0			0	1	20	--	--	LGT RM 200, 202	6
7	SPARE	--	--	20	1	0			0			1	20	--	--	LGT RM 204, 206	8
9	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	10
11	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	12

NAME: LV5 — PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 208Y/120	PHASE: 3	WIRE: 4
MAIN RATING: 125 A	MCB:	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:		LOCATION: STORAGE 215	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	RECEPTS RM 200	--	--	20	1	0			0			1	20	--	--	RECEPTS RM 204	2
3	RECEPTS RM 236	--	--	20	1		0			0		1	20	--	--	RECEPTS RM 203	4
5	RECEPTS RM 234	--	--	20	1			0			0	1	20	--	--	RECEPTS RM 240/CORRIDOR	6
7	HAND DRYERS	--	--	20	1	0			0			1	20	--	--	EMERGENCY LIGHTING	8
9	HAND DRYERS	--	--	20	1		0			0		1	20	--	--	EXHAUST FAN 15-16	10
11	**UNIT VENTILATOR Room 200, 202, 204**	**2371**	**2#12, #12G**	**15**	**2**			**1186**			**1186**	**2**	**15**	**2#12, #12G**	**2371**	**UNIT VENTILATOR Room 206, 208, 210**	**12**
13	**--**	**--**	**--**	**--**	**--**	**1186**			**1186**			**--**	**--**	**--**	**--**	**--**	**14**
15	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	16
17	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	18
19	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	20
21	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	22
23	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	24

ARCHITECT

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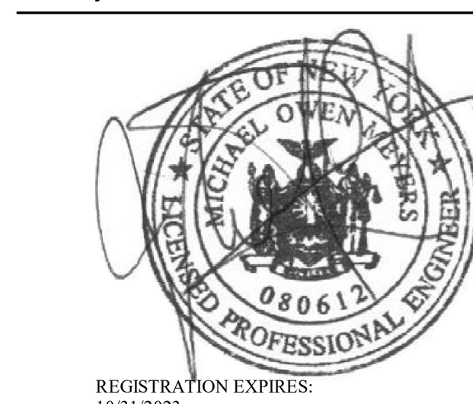


REGISTRATION EXPIRES:
10/31/2023

NANUET

NUFSD BOND PROJECTS PH3

SED #: 50-01-08-03-0-003-034

103 Church St, Nanuet, NY 10954

REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	7/12/23

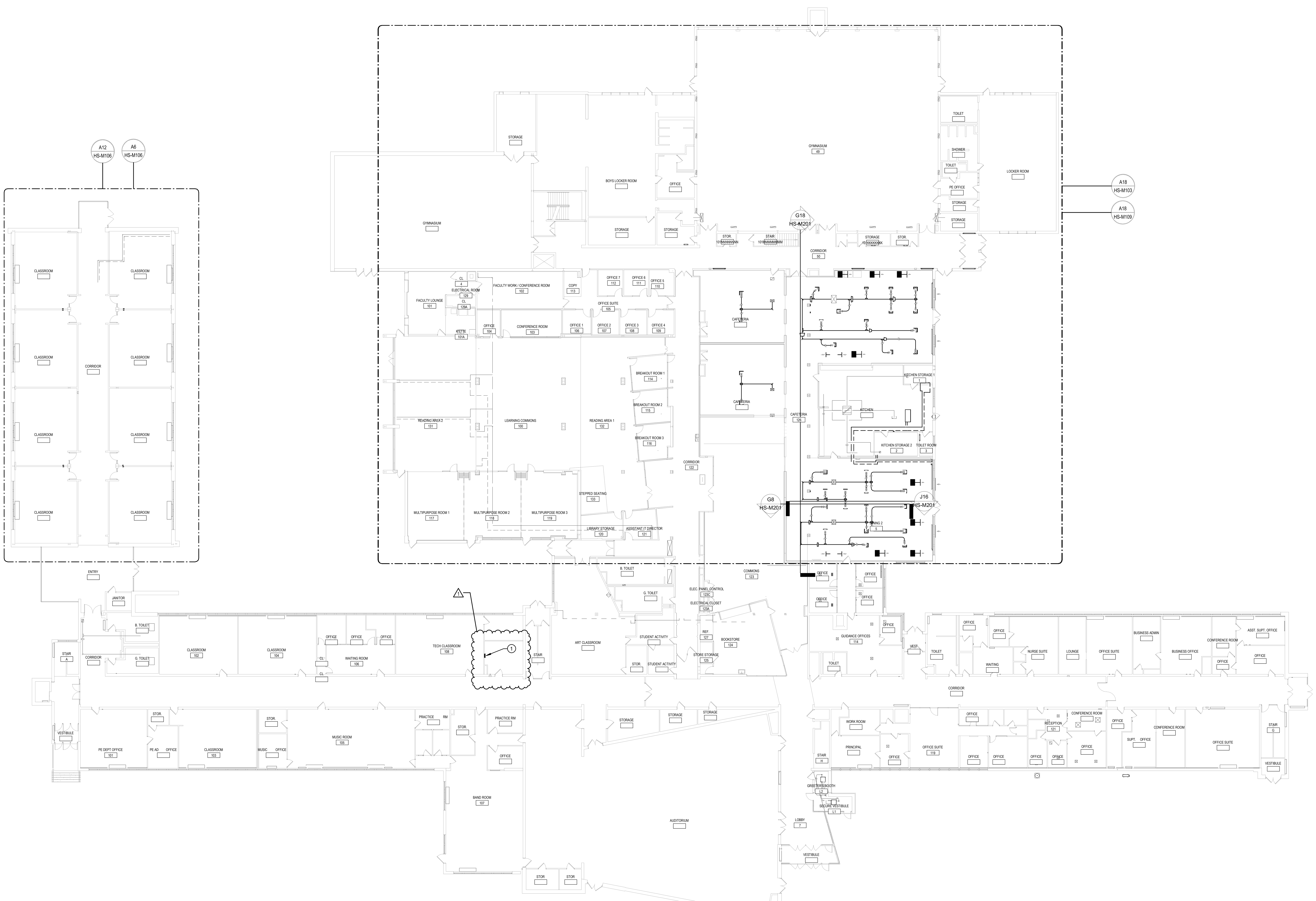
ISSUED: BID SET ISSUANCE
DATE: 06/06/2023
SCALE: As indicated
SHEET NAME: PANEL SCHEDULES
SHEET NUMBER: BM-E501

ISSUE FOR BID SET

7/10/2023 3:05:39 PM

KEYED NOTES:

1. PROVIDE DDC SYSTEM CONTROL PANEL/ENCLOSURE AT LOCATION SHOWN TO HOUSE DDC CONTROLLERS, TRANSFORMERS, RELAYS, AND REQUIRED DDC SYSTEM COMPONENTS TO ACCOMPLISH THE SPECIFIED SEQUENCES OF OPERATIONS.



A18 OVERALL FIRST FLOOR PLAN

1/16" = 1'-0"

ARCHITECT

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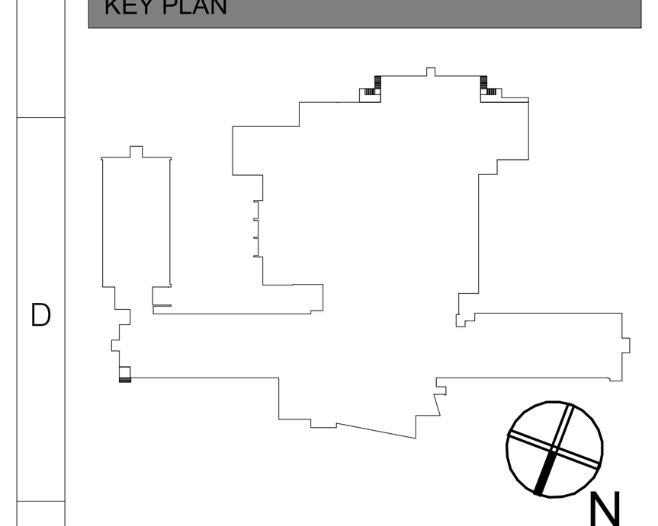
NUFSD BOND PROJECTS PH3

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

KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

SCALE: 1/16" = 1'-0"

SHEET NAME:
OVERALL FIRST FLOOR PLAN

SHEET NUMBER:
HS-M101

ISSUE FOR BID SET

PROJECT NUMBER: 2111002.00

KEYED NOTES:

1. DISCONNECT AND REMOVE FLOOR MOUNTED UNIT VENTILATOR. DISCONNECT AND REMOVE OA SLEEVE FROM THE REAR OA INLET TO THE OA LOUVER. DISCONNECT STEAM AND STEAM CONDENSATE BRANCH PIPING FROM THE UNIT VENTILATOR DOWN TO CRAWL SPACE BELOW. REFER TO DRAWING HS-M104 FOR PIPING CONTINUATION. DISCONNECT AND REMOVE ALL ASSOCIATED CONTROL WIRING, SENSORS, DAMPERS, DAMPER ACTUATORS, PROGRAMMING AND GRAPHICS AT THE DDC SYSTEM FRONT END. PROVIDE A 1" THICK ALUMINUM FACED, GLASS FIBER BOARD INSULATION PANEL OVER THE INTERIOR OF THE OA OPENING.
2. DISCONNECT AND REMOVE EXPOSED, CEILING SUSPENDED CABINET UNIT HEATER. DISCONNECT AND REMOVE ASSOCIATED STEAM AND STEAM CONDENSATE PIPING DOWN THROUGH FLOOR TO CRAWLSPACE. DISCONNECT AND REMOVE ASSOCIATED PNEUMATIC THERMOSTAT AND CONTROL WIRING. REMOVE PNEUMATIC TUBING BACK TO ASSOCIATED PNEUMATIC PIPING MAIN AND CAP.
3. DISCONNECT AND REMOVE HEATING COIL WITHIN IN-WALL STEAM CONVECTOR UNIT. DISCONNECT AND REMOVE ASSOCIATED STEAM AND STEAM CONDENSATE PIPING DOWN TO CRAWLSPACE BELOW. REFER TO DRAWING HS-M104 FOR PIPING CONTINUATION. REMOVE FRONT PANEL OF CONVECTOR AS REQUIRED FOR ACCESS TO INTERIOR OF CONVECTOR UNIT. MAINTAIN INTERIOR CONVECTOR ENCLOSURE AND CONVECTOR FRONT PANEL FOR REUSE.
4. DISCONNECT AND REMOVE EXPOSED CONVECTOR UNIT INCLUDING ASSOCIATED STEAM AND STEAM CONDENSATE PIPING DOWN THROUGH FLOOR TO CRAWLSPACE BELOW. REFER TO DRAWING HS-M104 FOR PIPING CONTINUATION.
5. DISCONNECT AND REMOVE UN-DUCTED EGG CRATE STYLE RETURN REGISTERS LOCATED IN SUSPENDED CEILING SYSTEM.
6. DISCONNECT AND REMOVE STEAM AND STEAM CONDENSATE RISERS UP TO GYMNASIUM PENTHOUSE MECHANICAL ROOM. REFER TO DRAWING HS-M104 FOR CONTINUATION IN BASEMENT AND REFER TO DRAWING HS-M105 FOR CONTINUATION IN GYMNASIUM FAN ROOM.
7. DISCONNECT AND REMOVE GYMNASIUM SUPPLY FANS F-1 AND F-2 THERMOSTATS. REMOVE PNEUMATIC TUBING BACK TO REMOVED PNEUMATIC CONTROL PANEL WITHIN GYMNASIUM FAN ROOM.
8. DISCONNECT AND REMOVE HORIZONTAL RA DUCTWORK INCLUDING ASSOCIATED RA REGISTER TO DISCONNECTION POINT SHOWN UPSTREAM OF RA RISER UP TO ROOF. MAINTAIN AND ABANDON RA RISER UP THROUGH ROOF.
9. DISCONNECT AND REMOVE SA RISER UP THROUGH ROOF, HORIZONTAL SA DUCTWORK AND SA DIFFUSER. MAINTAIN ROOF OPENING FROM SA RISER FOR REUSE AS SHOWN ON DRAWING HS-M109.
10. DISCONNECT AND REMOVE ABANDONED HORIZONTAL SA DUCTWORK DISCONNECTION POINT SHOWN UPSTREAM OF SA RISER UP TO ROOF. MAINTAIN AND ABANDON RARISER UP THROUGH ROOF.
11. DISCONNECT AND REMOVE RA RISER UP THROUGH ROOF, HORIZONTAL RA DUCTWORK AND RA REGISTER. MAINTAIN ROOF OPENING FROM SA RISER FOR REUSE AS SHOWN ON DRAWING HS-M109.

GENERAL NOTES:

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. (1)

A18 FIRST FLOOR REMOVALS - CAFETERIA AND GYM AREAS

1/8" = 1'-0"

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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
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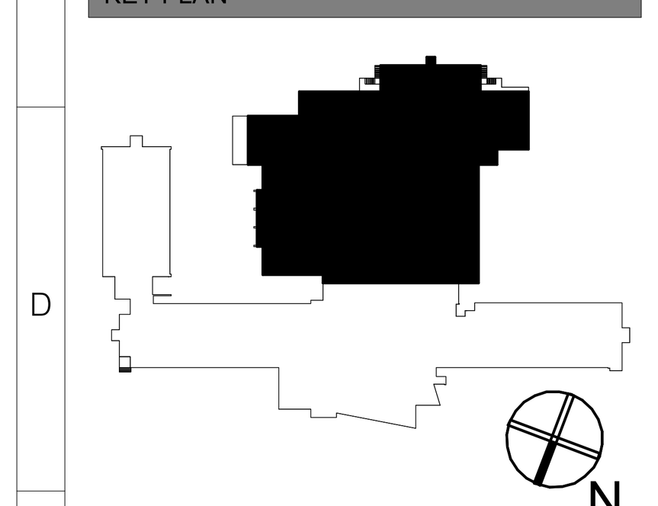
Nanuet, NY 10954

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

KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

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

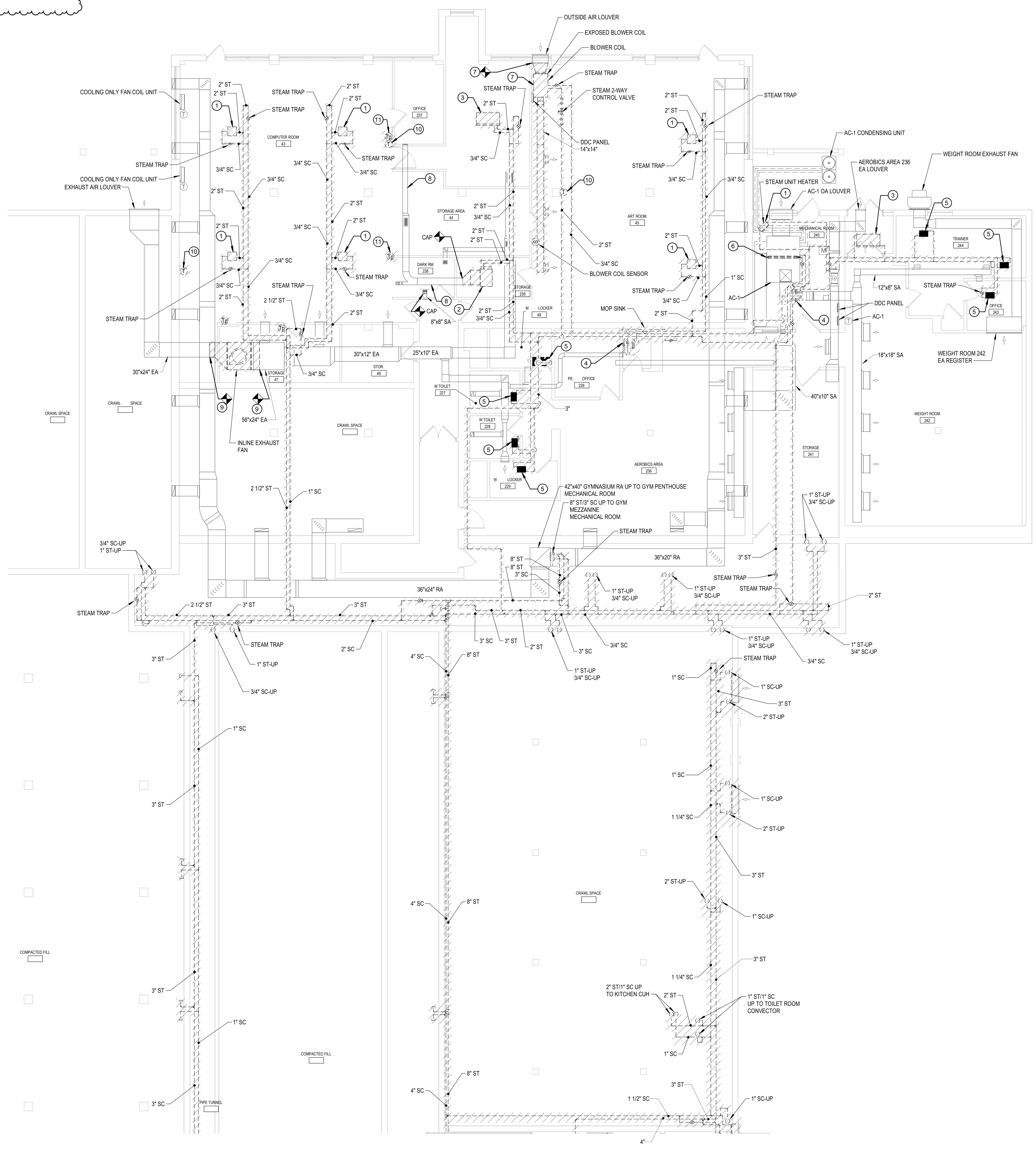
SHEET NAME:
FIRST FLOOR REMOVALS - CAFETERIA AND GYM AREAS

SHEET NUMBER:
HS-M103

ISSUE FOR BID SET

GENERAL NOTES:

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.



A16 BASEMENT FLOOR REMOVALS

1/8" = 1'-0"

KEYED NOTES:

1. DISCONNECT AND REMOVE STEAM UNIT HEATER INCLUDING ASSOCIATED STEAM PIPING, STEAM CONDENSATE PIPING, STEAM TRAP, AND STEAM PIPING ACCESSORIES. DISCONECT AND REMOVE SPACE TEMPERATURE SENSOR AND ALL ASSOCIATED CONTROL WIRING, PROGRAMMING AND GRAPHICS. DISCONNECT AND REMOVE ALL PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN.
2. DISCONNECT AND REMOVE STEAM FAN COIL UNIT. DISCONNECT AND REMOVE SA DUCTWORK FROM OUTLET OF FAN COIL UNIT TO DISCONNECTION POINT SHOWN AND CAP. DISCONNECT AND REMOVE ASSOCIATED STEAM AND STEAM CONDENSATE PIPING. DISCONNECT AND REMOVE ASSOCIATED PNEUMATIC THERMOSTAT. DISCONNECT AND REMOVE ALL PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN.
3. DISCONNECT AND REMOVE STEAM CABINET UNIT HEATER. DISCONNECT AND REMOVE ASSOCIATED STEAM AND STEAM CONDENSATE PIPING. DISCONNECT AND REMOVE ASSOCIATED PNEUMATIC THERMOSTAT. DISCONNECT AND REMOVE ALL PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN.
4. DISCONNECT AND REMOVE STEAM CONDENSATE PUMP/RECEIVER SET INCLUDING ALL ASSOCIATED STEAM CONDENSATE PIPING AND VENT PIPING.
5. DISCONNECT AND REMOVE CEILING MOUNTED STEAM RADIANT PANEL INCLUDING ASSOCIATED STEAM PIPING, STEAM CONDENSATE PIPING, STEAM TRAP, AND STEAM PIPING ACCESSORIES.
6. DISCONNECT AND REMOVE STEAM HEATING COIL WITHIN AIR HANDLING UNIT AC-1 AT LOCATION SHOWN. DISCONNECT AND REMOVE ASSOCIATED STEAM PIPING, STEAM CONDENSATE PIPING, STEAM TRAP, STEAM PIPING ACCESSORIES AND STEAM ELECTRONIC CONTROL VALVE. DISCONNECT AND REMOVE CONTROL VALVE WIRING BACK TO ASSOCIATED DDC CONTROLLER WITHIN THE MECHANICAL ROOM.
7. DISCONNECT AND REMOVE EXPOSED BLOWER COIL UNIT INCLUDING BLOWER COIL MIXING BOX AND RETURN AIR AND OUTSIDE AIR DAMPERS. DISCONNECT AND REMOVE OUTSIDE AIR DUCTWORK TO DISCONNECTION POINT SHOWN AND CAP. DISCONNECT AND REMOVE BLOWER COIL STEAM PIPING, STEAM CONDENSATE PIPING, STEAM TRAP AND STEAM ACCESSORIES. DISCONNECT AND REMOVE STEAM ELECTRONIC CONTROL VALVE. DISCONNECT AND REMOVE BLOWER COIL TEMPERATURE SENSOR, RA AND OA DAMPER ACTUATORS AND ALL BLOWER COIL CONTROL WIRING BACK TO ASSOCIATED DDC PANEL. REMOVE BLOWER COIL CONTROLLER AND ALL ASSOCIATED DDC PROGRAMMING AND GRAPHICS.
8. ABANDON DUCTWORK AND SUPPLY REGISTERS IN PLACE ABOVE INACCESSIBLE CEILING AREA. CAP OPEN-ENDED DUCT LEFT FROM REMOVAL OF FAN COIL UNIT.
9. DISCONNECT AND REMOVE INLINE EXHAUST FAN AND ASSOCIATED EA DUCTWORK TO DISCONNECTION POINTS SHOWN. DISCONNECT AND REMOVE ALL CONTROL RELAYS, SENSORS AND DEVICES RELATED TO THE REMOVED FAN. DISCONNECT, REMOVE AND REINSTALL THE SUSPENDED CEILING SYSTEM WITHIN STORAGE 47 AS REQUIRED TO REMOVE THE FAN AND THE ASSOCIATED EA DUCTWORK.
10. DISCONNECT AND REMOVE LINE VOLTAGE THERMOSTAT SERVING REMOVED UNIT HEATERS INCLUDING ASSOCIATED LINE VOLTAGE WIRING BACK TO ASSOCIATED PANELBOARD.
11. DISCONNECT AND REMOVE LINE VOLTAGE THERMOSTAT SERVING REMOVED UNIT HEATERS INCLUDING ASSOCIATED LINE VOLTAGE WIRING BACK TO ASSOCIATED PANELBOARD.DISCONNECT AND REMOVE ABANDONED PNEUMATIC THERMOSTATS INCLUDING ASSOCIATED PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN. PROVIDE STAINLESS STEEL COVER PLATE OVER REMOVED THERMOSTAT LOCATION.
12. DISCONNECT AND REMOVE PNEUMATIC OPERATOR SERVING REMOVED INLINE EXHAUST FAN F-HS-2. REMOVE PNEUMATIC TUBING SERVING REMOVED OPERATOR BACK TO ASSOCIATED PNEUMATIC MAIN AND CAP. REFER TO ELECTRICAL REMOVAL DRAWINGS FOR REMOVAL OF F-HS-2 MOTOR STARTER.

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STATE OF NEW YORK JOHN VENDITTE LICENSED PROFESSIONAL ENGINEER 083994

REGISTRATION EXPIRES: 11/30/2023

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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
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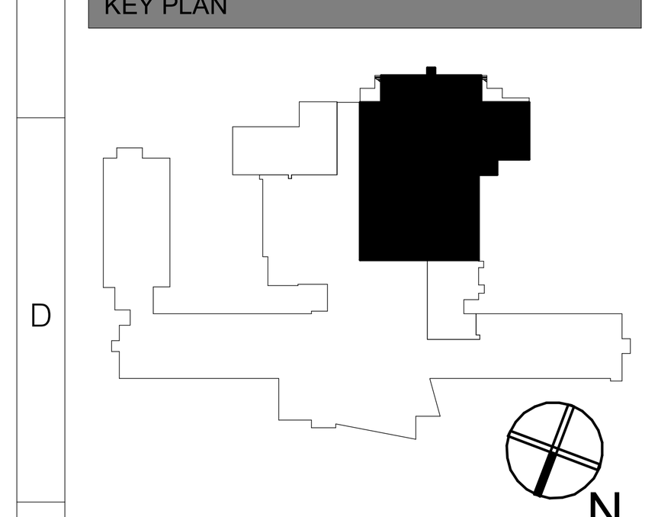
KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

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

SHEET NAME:
BASEMENT HVAC REMOVALS

SHEET NUMBER:
HS-M104

ISSUE FOR BID SET

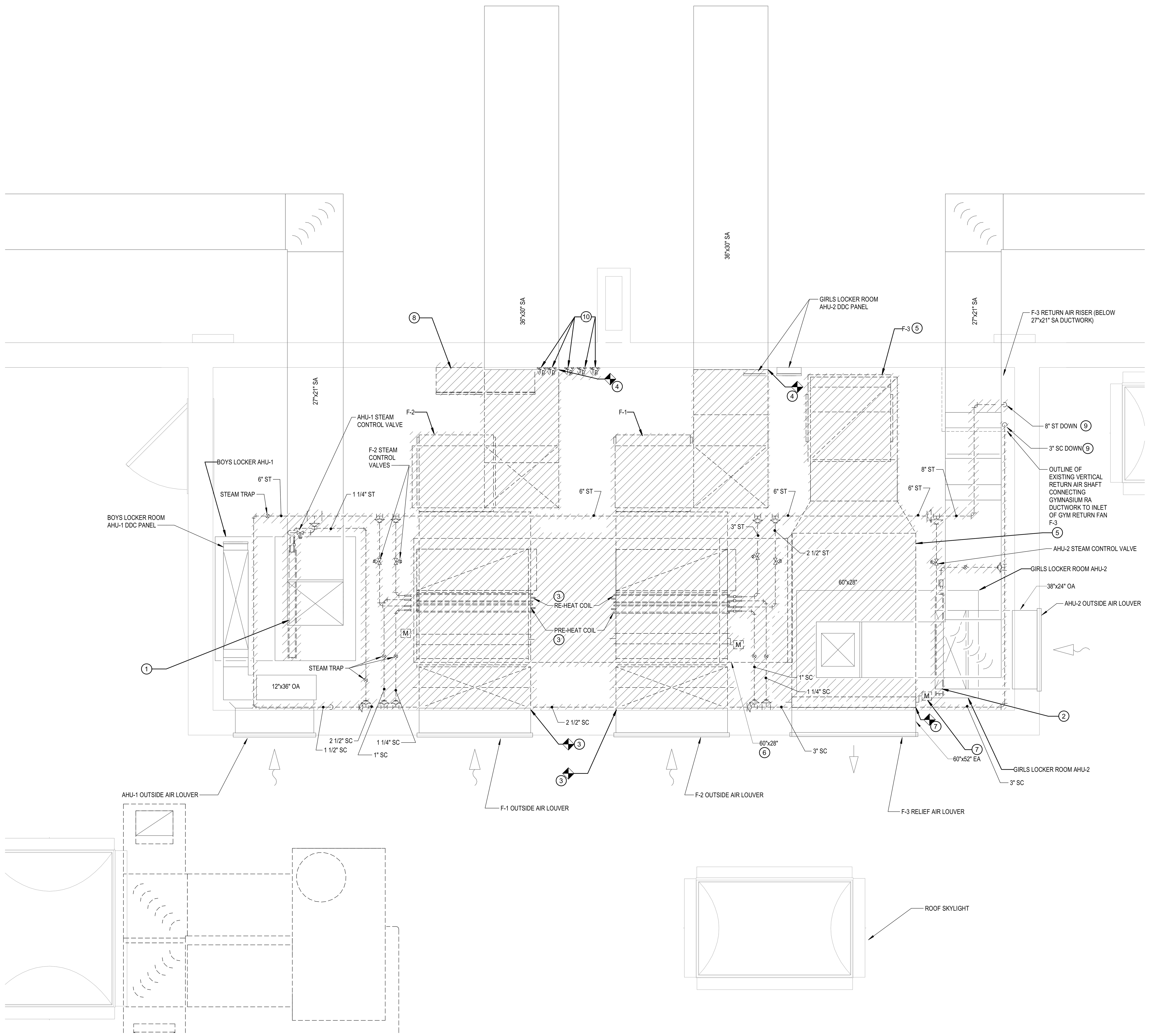
7/11/2023 3:17:21 PM

GENERAL NOTES:

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.

KEYED NOTES:

1. DISCONNECT AND REMOVE STEAM HEATING COIL WITHIN AIR HANDLING UNIT AHU-1 AT LOCATION SHOWN. DISCONNECT AND REMOVE ASSOCIATED STEAM PIPING, STEAM CONDENSATE PIPING, STEAM TRAP, STEAM PIPING ACCESSORIES AND STEAM ELECTRONIC CONTROL VALVE. DISCONNECT AND REMOVE CONTROL VALVE WIRING BACK TO ASSOCIATED DDC CONTROLLER.
2. DISCONNECT AND REMOVE STEAM HEATING COIL WITHIN AIR HANDLING UNIT AHU-2 AT LOCATION SHOWN. DISCONNECT AND REMOVE ASSOCIATED STEAM PIPING, STEAM CONDENSATE PIPING, STEAM TRAP, STEAM PIPING ACCESSORIES AND STEAM ELECTRONIC CONTROL VALVE. DISCONNECT AND REMOVE CONTROL VALVE WIRING BACK TO ASSOCIATED DDC CONTROLLER.
3. DISCONNECT AND REMOVE GYMNASIUM UTILITY SUPPLY FAN SYSTEMS F-1 AND F-2. DISCONNECT AND REMOVE OUTSIDE AIR DUCTWORK FROM DISCONNECTION POINTS SHOWN TO INLET OF FANS. DISCONNECT AND REMOVE PRE-HEAT AND RE-HEAT STEAM COILS WITHIN INLET DUCTWORK. DISCONNECT AND REMOVE STEAM PNEUMATIC CONTROL VALVES. DISCONNECT AND REMOVE ALL ASSOCIATED STEAM PIPING, STEAM CONDENSATE PIPING, STEAM TRAPS AND STEAM ACCESSORIES. DISCONNECT AND REMOVE PNEUMATIC TUBING BACK TO REMOVE PNEUMATIC CONTROL OPERATOR PANEL.
4. DISCONNECT AND REMOVE SUPPLY AIR DUCTWORK FROM REMOVED UTILITY SUPPLY FAN UNITS F-1 AND F-2 TO DISCONNECTION POINTS SHOWN.
5. DISCONNECT AND REMOVE UN-DUCTED INLET GYMNASIUM UTILITY RETURN AIR FAN F-3 INCLUDING ASSOCIATED OUTLET DUCTWORK TO REMOVED PNEUMATIC RELIEF AIR DAMPER AS SHOWN.
6. DISCONNECT AND REMOVE 60"x28" RETURN DUCTWORK. DISCONNECT AND REMOVE RETURN AIR DROPS DOWN TO REMOVED F-1 AND F-2 SUPPLY PLENUMS. DISCONNECT AND REMOVE F-1 AND F-2 OUTSIDE AIR AND RETURN AIR PNEUMATIC DAMPERS. DISCONNECT AND REMOVE ALL PNEUMATIC TUBING BACK TO REMOVED PNEUMATIC CONTROL OPERATOR PANEL.
7. DISCONNECT AND REMOVE GYMNASIUM RELIEF/EXHAUST AIR DAMPER AND ASSOCIATED PNEUMATIC ACTUATOR. CAP RELIEF AIR PLENUM AT DISCONNECTION POINT SHOWN AND RECONNECT AS SHOWN ON DRAWING HS-M110. DISCONNECT AND REMOVE ALL PNEUMATIC TUBING BACK TO REMOVED PNEUMATIC CONTROL OPERATOR PANEL.
8. DISCONNECT AND REMOVE PNEUMATIC CONTROL PANEL AT LOCATION SHOWN INCLUDING ALL PNEUMATIC OPERATORS, PNEUMATIC SENSORS, AND PNEUMATIC RELAYS. DISCONNECT AND REMOVE ALL PNEUMATIC TUBING BACK TO PNEUMATIC PIPING MAIN AND CAP.
9. DISCONNECT AND REMOVE STEAM AND STEAM CONDENSATE RISERS DOWN TO CRAWLSPACE. REFER TO DRAWING HS-M104 FOR CONTINUATION.
10. DISCONNECT AND REMOVE ALL AHU-1, AHU-2, F-1 AND F-2 PNEUMATIC TO ELECTRONIC TRANSDUCERS AND PNEUMATIC OPERATORS BACK TO REMOVED PNEUMATIC CONTROLER OPERATOR PANEL.



A16 ENLARGED GYMNASIUM FAN ROOM REMOVALS
1/2" = 1'-0"

ARCHITECT

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REGISTRATION EXPIRES: 11/30/2023

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PROJECTS
PH3

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

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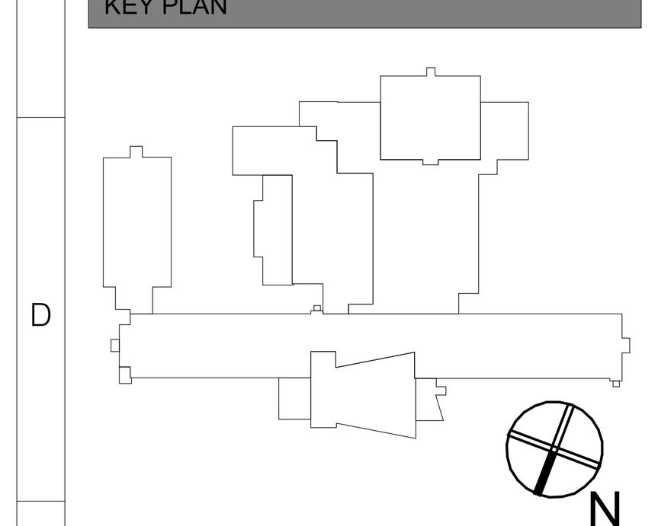
KEY PLAN



REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	07/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

SCALE: 1/2" = 1'-0"

SHEET NAME:
GYMNASIUM FAN ROOM REMOVALS

SHEET NUMBER:
HS-M105

ISSUE FOR BID SET

PROJECT NUMBER: 2111002.00

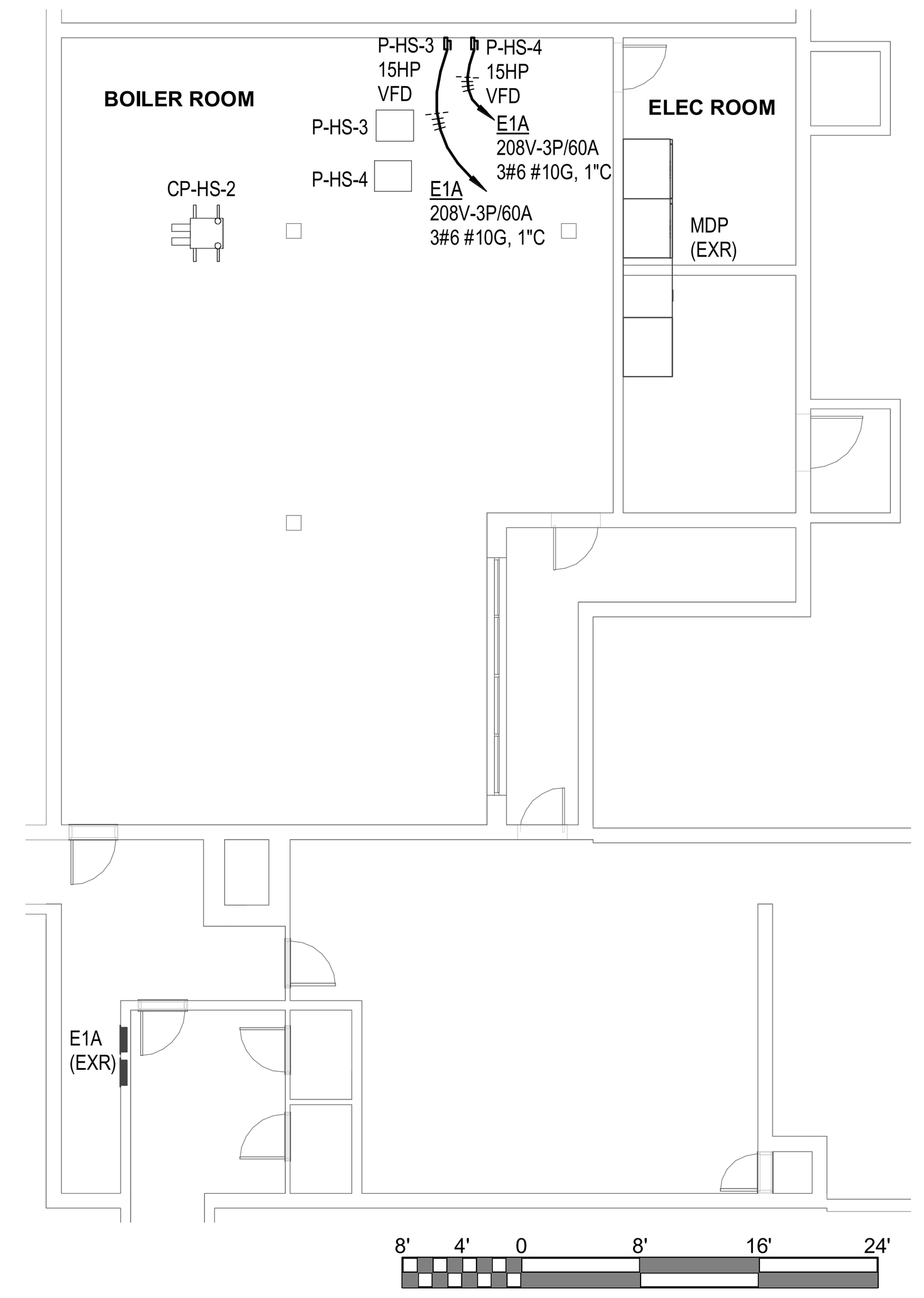
7/11/2023 3:17:21 PM

GENERAL REMOVAL NOTES:

1. REFER TO SHEET HS-E001 FOR GENERAL NOTES.

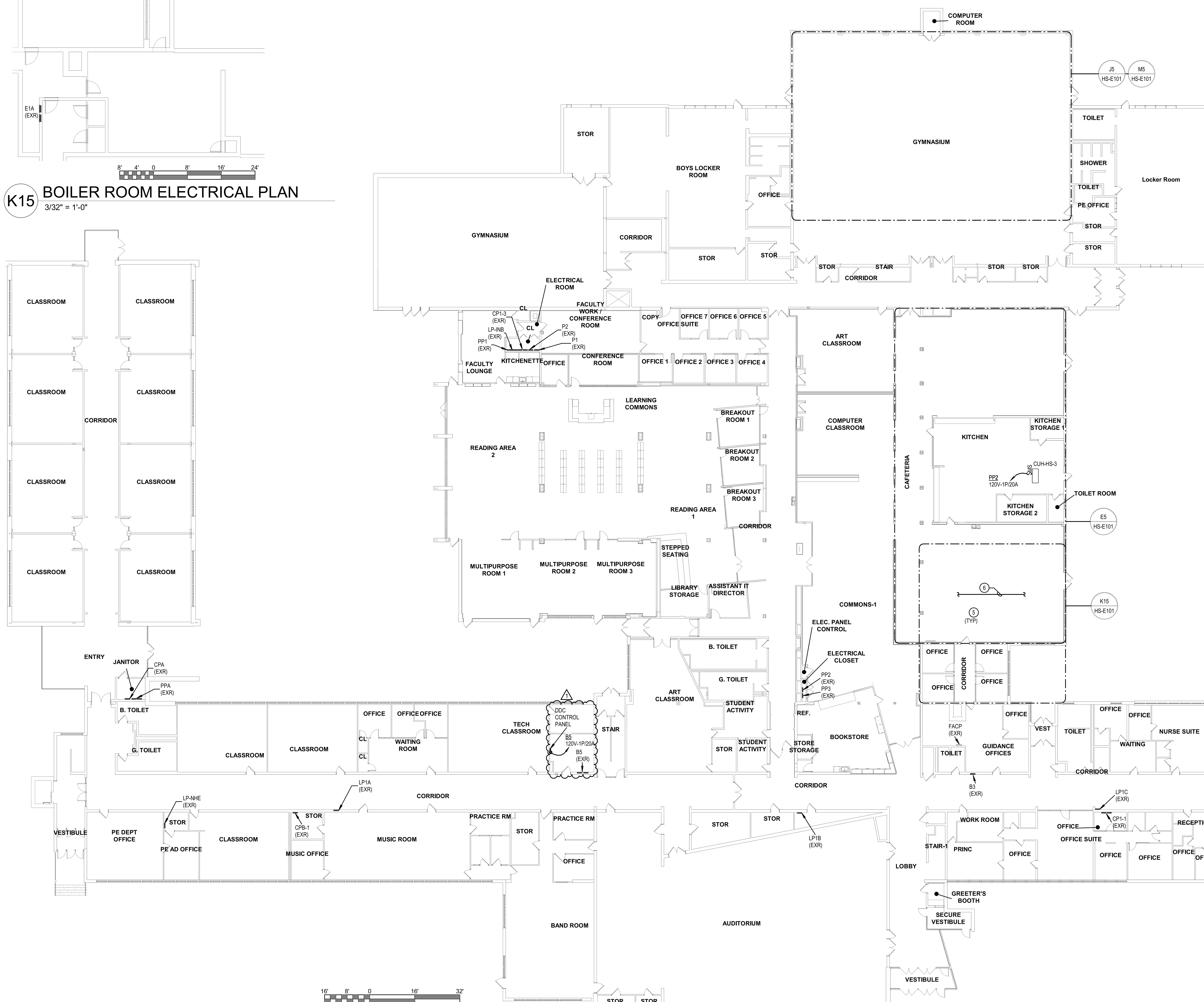
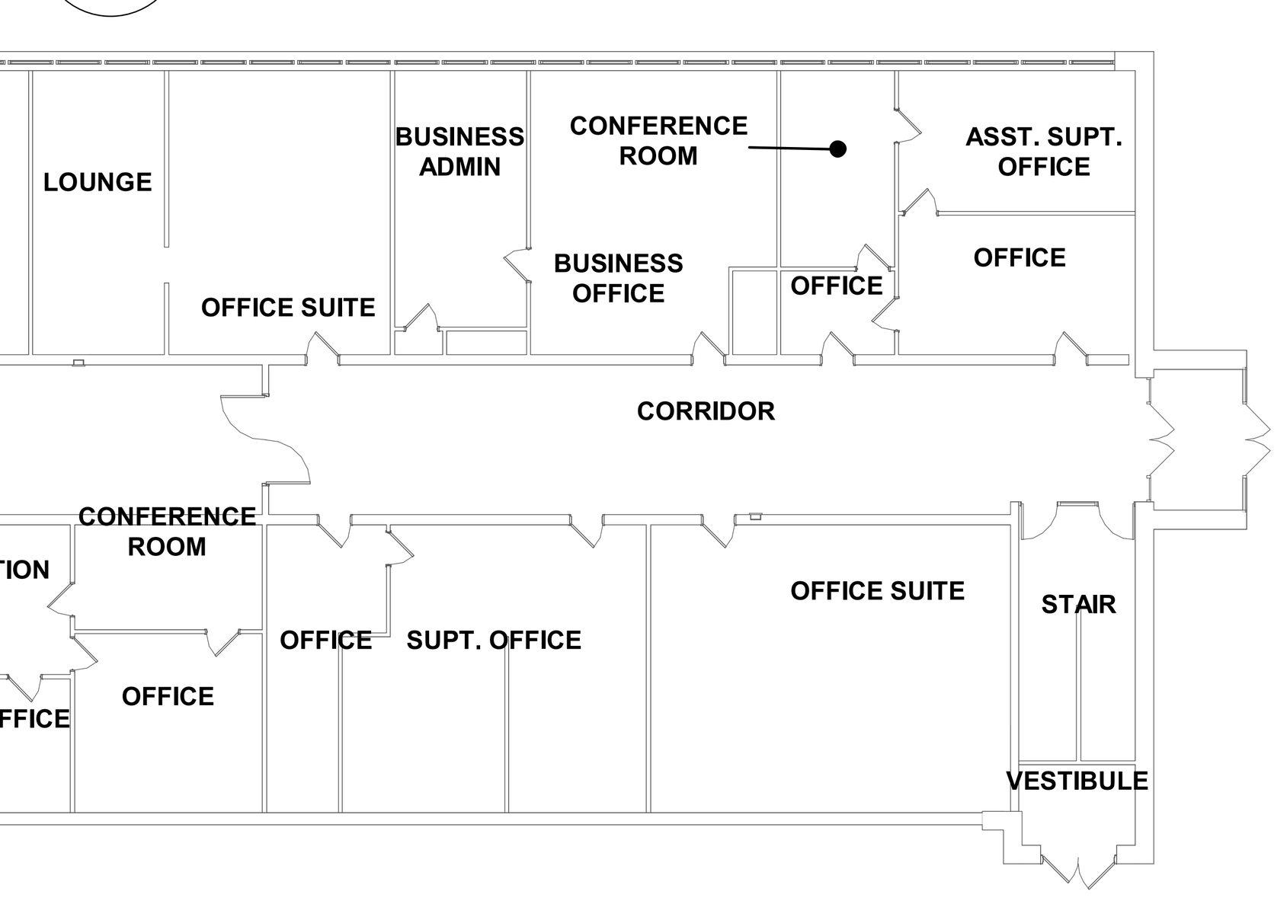
KEYED NOTES:

1. DISCONNECT AND REMOVE EXISTING UNIT VENTILATOR CIRCUITING BACK TO SOURCE.
2. DISCONNECT AND REMOVE EXISTING CABINET UNIT HEATER CIRCUITING BACK TO SOURCE.
3. DISCONNECT AND REMOVE EXISTING FAN COIL UNIT CIRCUITING BACK TO SOURCE.
4. PROVIDE FIRE ALARM CONTROL RELAY TO SHUT DOWN INDICATED HVAC EQUIPMENT UPON ALARM OF FIRE ALARM SYSTEM.
5. REMOVE APPROXIMATELY 12 LIGHTING FIXTURES ABANDONED ABOVE CEILING TO FACILITATE MECHANICAL WORK.
6. SUPPORT EXISTING 1" CONDUIT AT APPROXIMATE LOCATION TO FACILITATE MECHANICAL WORK. REMOVE ANY ABANDONED CONDUITS TO FACILITATE MECHANICAL WORK.



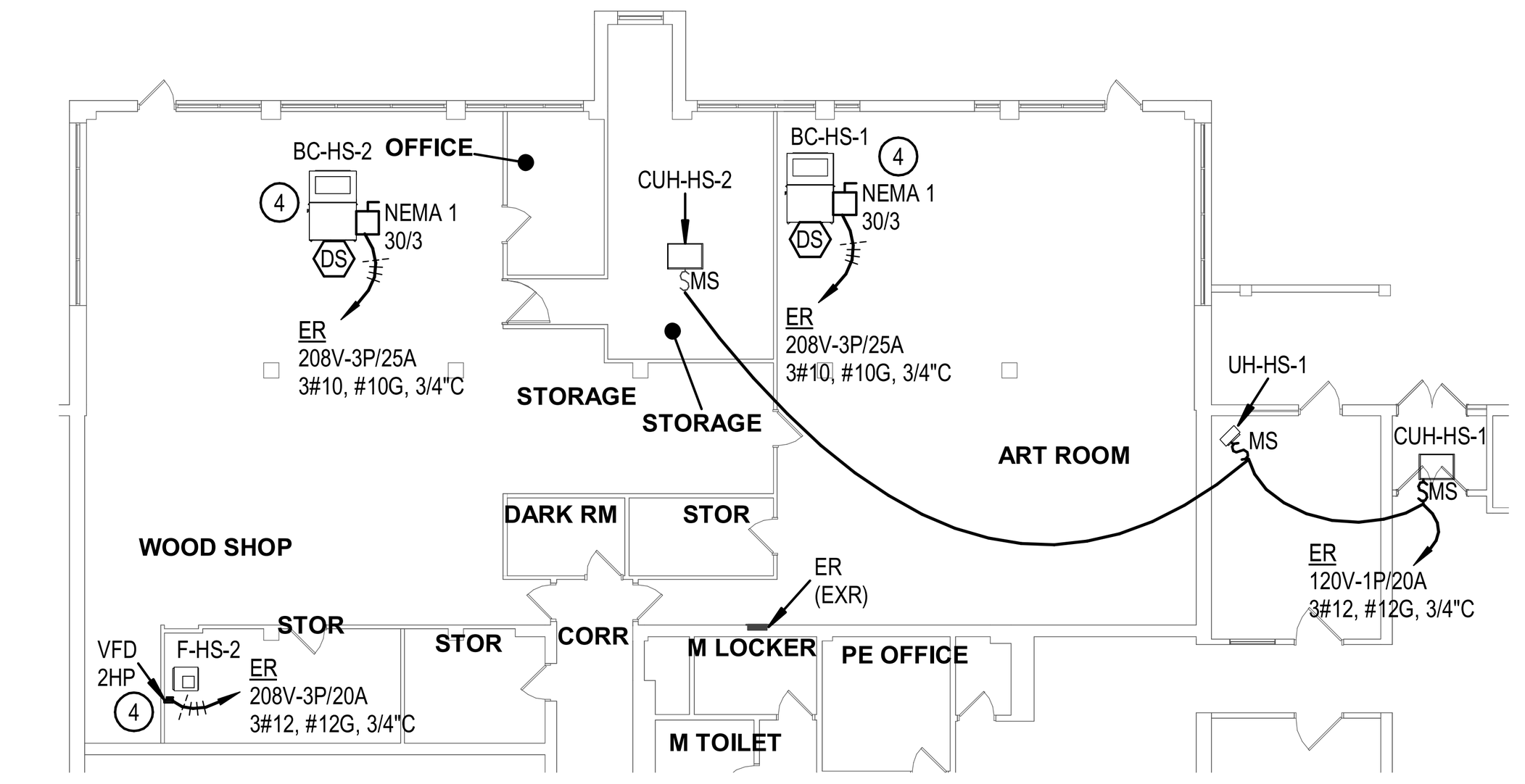
K15 BOILER ROOM ELECTRICAL PLAN

3/32" = 1'-0"

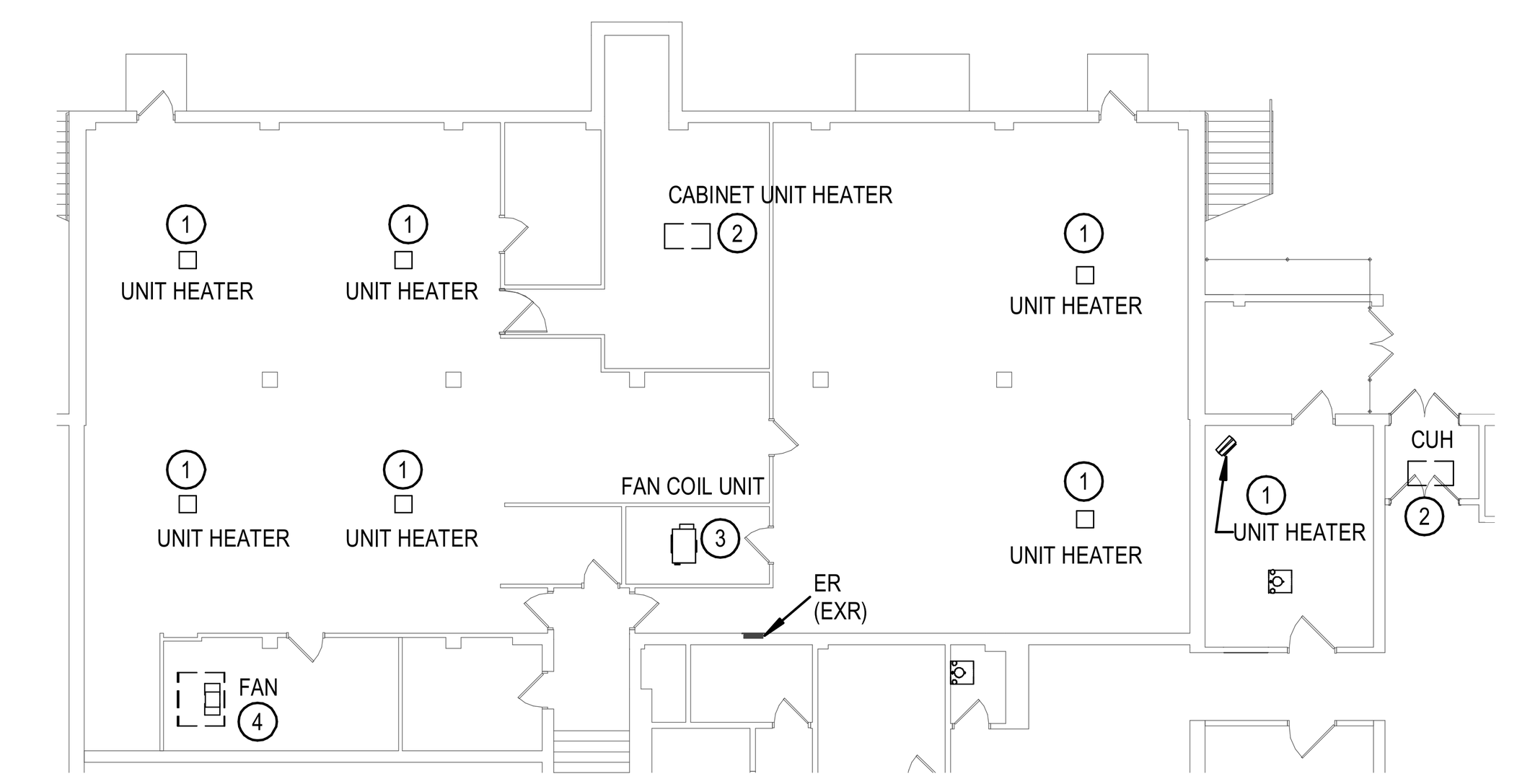
A18 OVERALL FIRST FLOOR ELECTRICAL PLAN

1/16" = 1'-0"



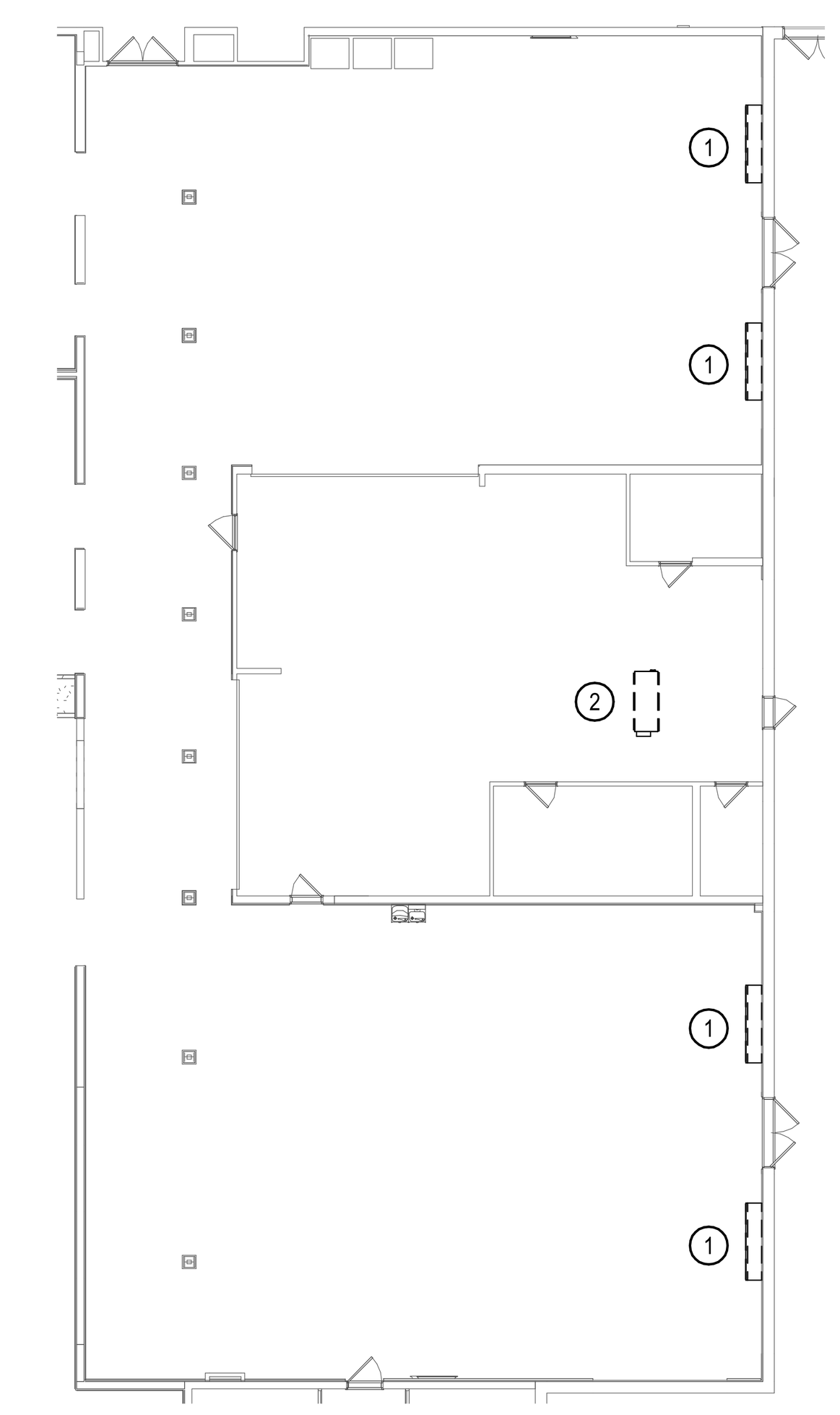
M5 PARTIAL BASEMENT ELECTRICAL PLAN

1/16" = 1'-0"



J5 PARTIAL BASEMENT ELECTRICAL REMOVALS

1/16" = 1'-0"



E5 PARTIAL CAFETERIA ELECTRICAL REMOVALS

1/16" = 1'-0"

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REGISTRATION EXPIRES: 10/31/2023

NUFSD BOND PROJECTS PH3

SED #: 50-01-08-03-0-003-034

103 Church St, Nanuet, NY 10954

REVISIONS

No.	Description	Date
1	BID ADDENDUM #6	7/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

SCALE: As indicated

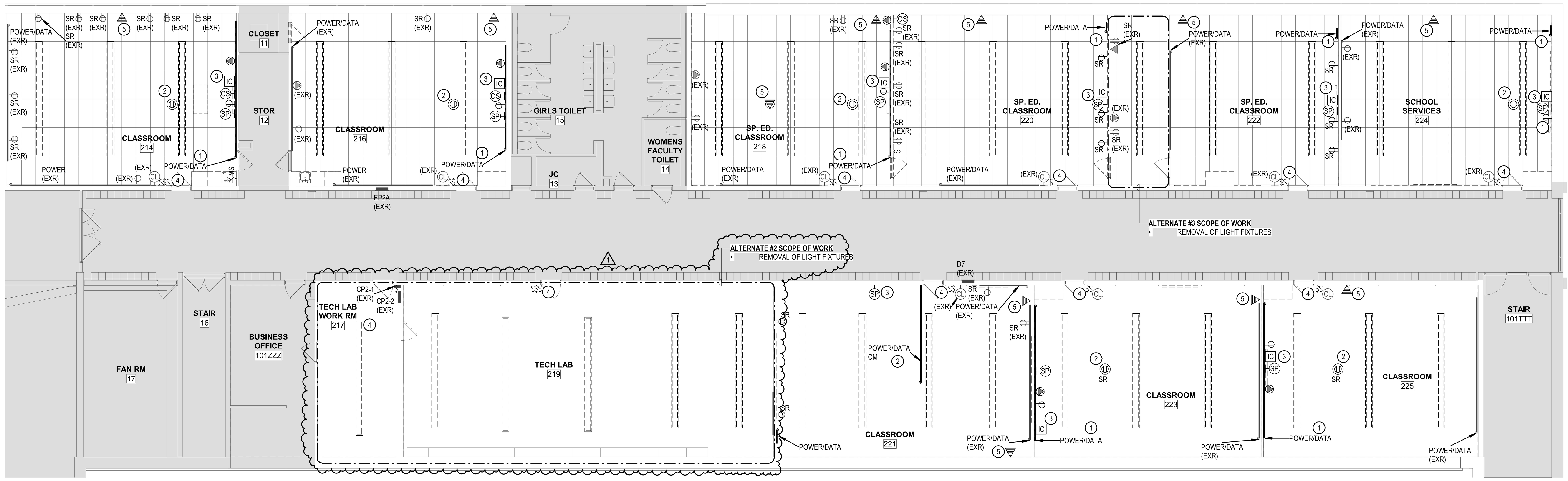
SHEET NAME: OVERALL FIRST FLOOR PLAN

SHEET NUMBER: HS-E101

ISSUE FOR BID SET

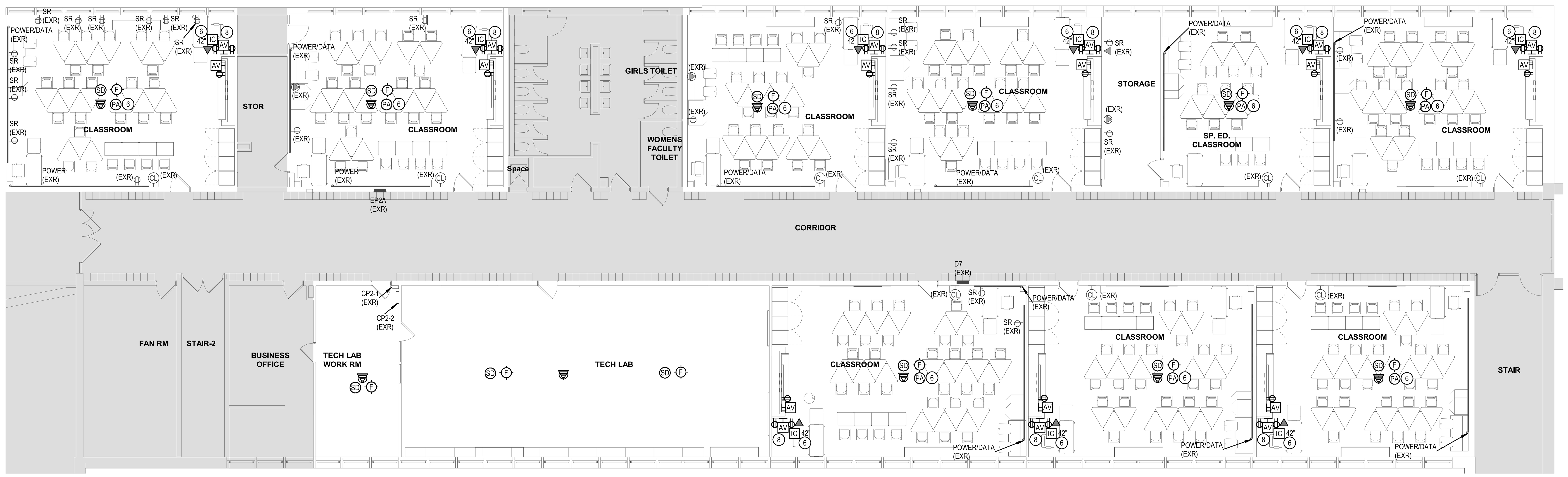
PROJECT NUMBER: 2211002.00

7/10/2023 3:07:40 PM



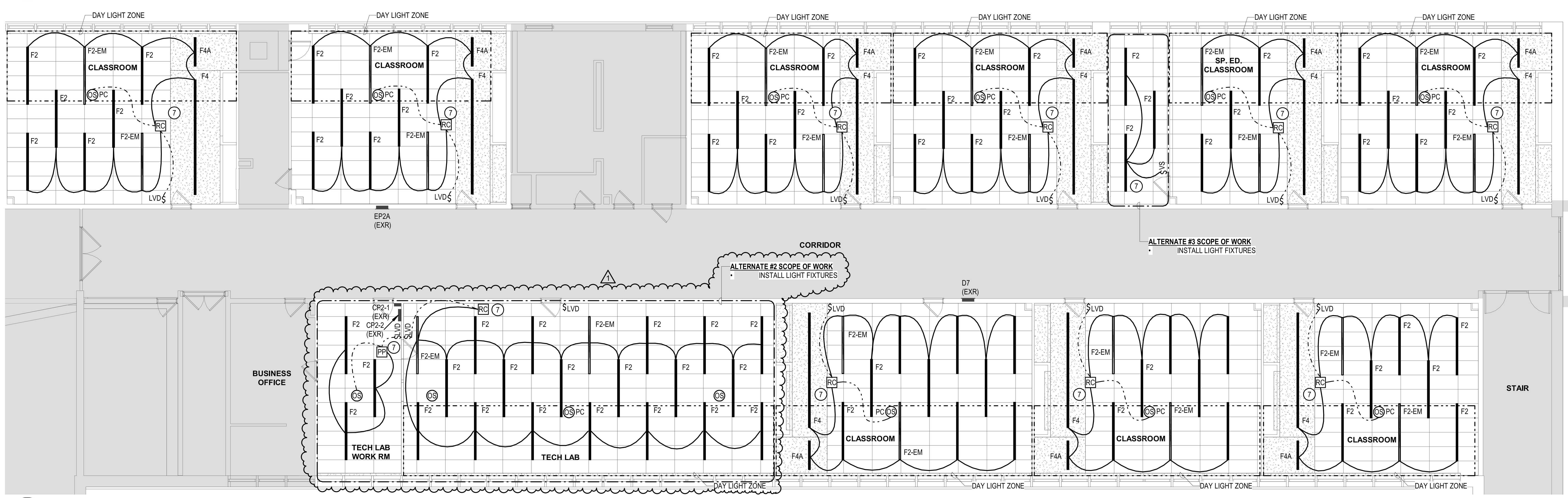
K18 PARTIAL SECOND FLOOR ELECTRICAL REMOVALS PLAN - NORTH WING

1/8" = 1'-0"



E18 PARTIAL SECOND FLOOR ELECTRICAL PLAN - NORTH WING

1/8" = 1'-0"



A18 PARTIAL SECOND FLOOR LIGHTING PLAN - NORTH WING

1/8" = 1'-0"

GENERAL REMOVAL NOTES:

1. REFER TO SHEET HS-E001 FOR GENERAL NOTES.

KEYED NOTES:

1. REMOVE LENGTH OF PLUGMOLD, POWER, AND DATA OUTLETS ON FROM THIS WALL
2. REMOVE LENGTH OF PLUGMOLD, POWER, AND DATA OUTLETS ON FROM THE CEILING.
3. DISCONNECT AND REMOVE PA SYSTEM. PROTECT EXISTING WIRING AND PREPARE TO EXTEND WIRING TO LOCATION OF NEW CEILING MOUNTED PA SYSTEM.
4. REMOVE ALL LIGHTING AND CONTROLS. PRESERVE EXISTING CIRCUIT.
5. REMOVE WIRELESS ACCESS POINT.
6. PROVIDE NEW VALCOM CEILING MOUNTED PA SPEAKER (MODEL #V-1060A). EXTEND/PROVIDE NEW WIRING FOR PA SYSTEM AS REQUIRED TO ACCOMMODATE NEW LOCATION AS INDICATED. COORDINATE PA SYSTEM WITH DISTRICT AND MANUFACTURER INSTRUCTIONS PRIOR TO INSTALLATION.
7. CONNECT TO EXISTING LIGHTING CIRCUIT.
8. PROVIDE DRYWALL ACCESS PANEL 8X8 INCH HEAVY DURABLE PLASTIC WHITE. MANUFACTURER BOZZON. EXTEND EXISTING RECEPTACLE CIRCUIT TO NEW DEVICES.

ARCHITECT

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N

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No.	Description	Date
1	BID ADDENDUM #6	7/12/23

ISSUED: BID SET ISSUANCE

DATE: 06/06/2023

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

SHEET NAME:
PARTIAL SECOND FLOOR ELECTRICAL PLANS - NORTH WING

SHEET NUMBER:
HS-E103

ISSUE FOR BID SET