


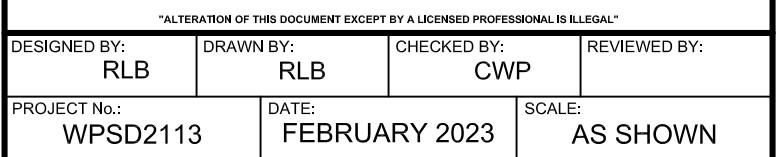
CONTRACT H - HEATING, VENTILATION AND AIR CONDITIONING WORK & CONTRACT E - ELECTRICAL WORK

**White Plains City
School District**

**UV Replacements at the
George Washington
Elementary School**

The logo for White Plains Public Schools is a circular emblem. The top half of the circle contains the text "White Plains Public Schools" in a serif font. The bottom half of the circle features a stylized graphic of three orange rectangular blocks arranged in a row, with a small white triangle above them, resembling a simplified building or a mountain peak.

CONTRACT	ALL CONTRACTS
STATUS	FINAL BID DOCUMENT
SHEET TITLE	GENERAL NOTES, MAPS, DRAWINGS LIST, STAGING PLAN, EXIT PLAN AND LEGENDS
DRAWING NO.	G000.00

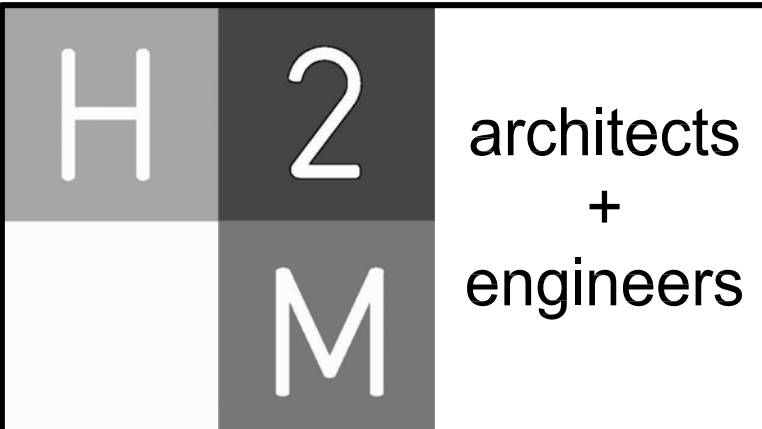
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DRAWING No. **G100.00**

	ALLOWED	PROPOSED/EXISTING
BUILDING OCCUPANCY	EDUCATIONAL GROUP E	EDUCATIONAL GROUP E
CONSTRUCTION CLASSIFICATION	IIB	IIB
HEIGHT (STORIES)	2 STORIES	2 STORIES (NO CHANGE)
HEIGHT (FEET)	55 FEET	54 FEET (NO CHANGE)
FIRE AREA	14,500 S.F.	N/A (NO CHANGE)




\\h2m-computers\Projects\WPSD\White Plains Central School District - 1091\WPSD 2113 - G101\Explanations\02-BM-CADD-Cor-desig\plan\G101.00 - Existing Second Floor Plan.dwg Last Modified: 01/27/2022 - 5:07pm Plotted on: Jan 30, 2023 - 3:23pm By: vesah1



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Purchase, NY 10577
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CONSULTANTS:

MARK	DATE	DESCRIPTION
-	02-03-2023	FINAL BID DOCUMENT




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DESIGNED BY: CWP	DRAWN BY: MKS	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE:	AS SHOWN

CLIENT

White Plains City School District

UV Replacements at the
George Washington
Elementary School



100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

**CONTRACT G
GENERAL CONSTRUCTION**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

EXISTING SECOND FLOOR PLAN

DRAWING No.

G101.00

NOTE:
EXISTING SMOKE DETECTORS TO
REMAIN (TYP. FOR ALL).

LEGEND

ROOM	ROOM NUMBER
000	± S.F.
DESIGNATION TAG	

OF EXISTING FIRE EXTINGUISHER

EXISTING EXIT SIGN

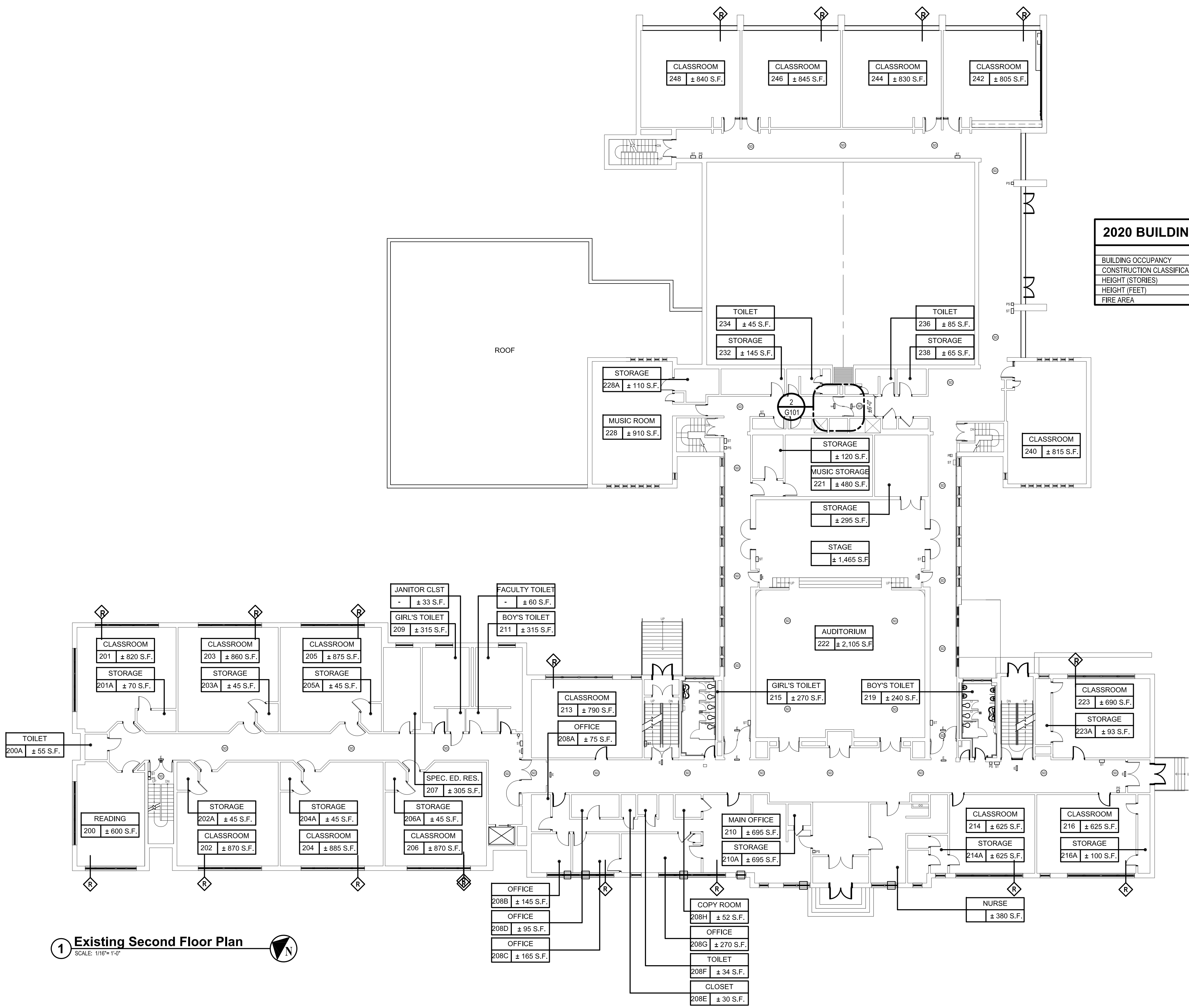
EXISTING PULL STATION

EXISTING FIRE ALARM STROBE

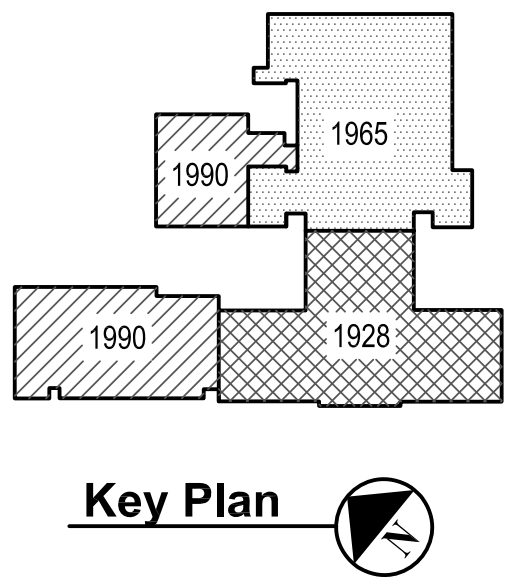
EXISTING SMOKE DETECTOR

RESCUE WINDOW

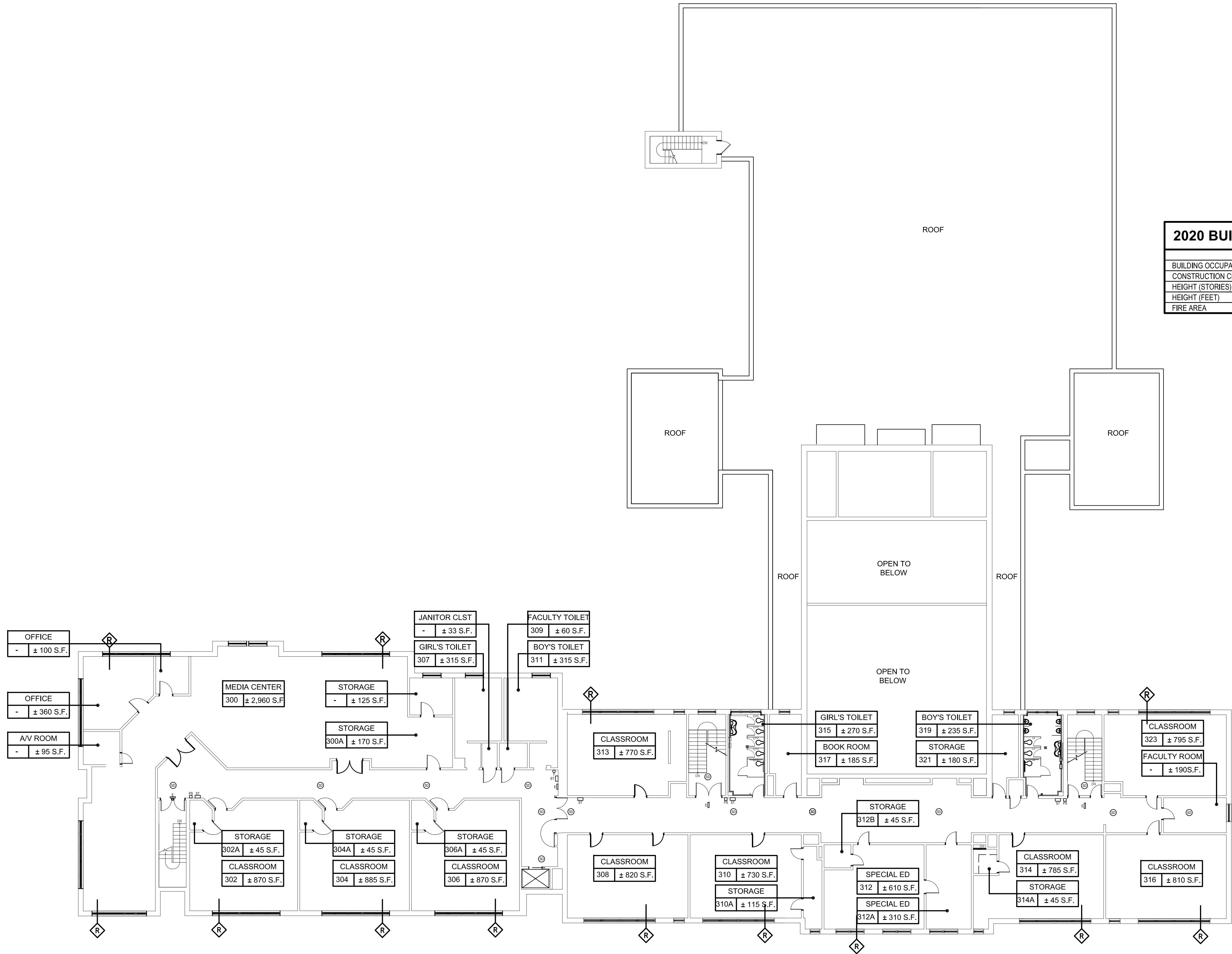
2020 BUILDING CODE OF NEW YORK STATE		
(BC CODE TABLE 504.3, 504.4, 506.2)		
BUILDING OCCUPANCY	ALLOWED EDUCATIONAL GROUP E	PROPOSED/EXISTING EDUCATIONAL GROUP E
CONSTRUCTION CLASSIFICATION	IIIB	IIIB
HEIGHT (STORIES)	2 STORIES	2 STORIES (NO CHANGE)
HEIGHT (FEET)	55 FEET	54 FEET (NO CHANGE)
FIRE AREA	14,500 S.F.	N/A (NO CHANGE)



1 Existing Second Floor Plan
SCALE: 1/16"= 1'-0"



\\h2m.com\shared\Projects\WPSD\White Plains Central School District - 10951\WPSD 2113 - CIVIL\Expenditures\02-BIM\CADD\Construction\G102.00 - Existing Third Floor Plan.dwg, Last Modified: Aug 01, 2022, 2:58pm, Plotted on: Jan 30, 2023, 2:24pm By: msahl



1 Existing Third Floor Plan
SCALE: 1/16" = 1'-0"

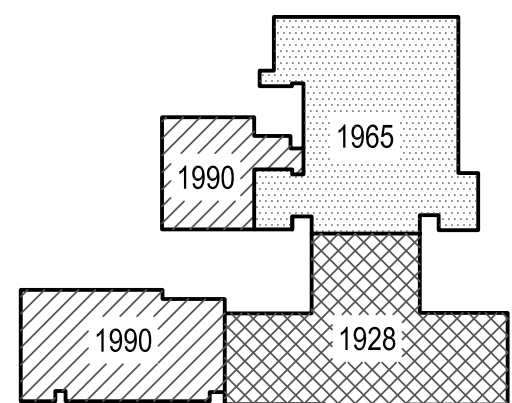
NOTE:
EXISTING SMOKE DETECTORS TO
REMAIN (TYP. FOR ALL).

LEGEND

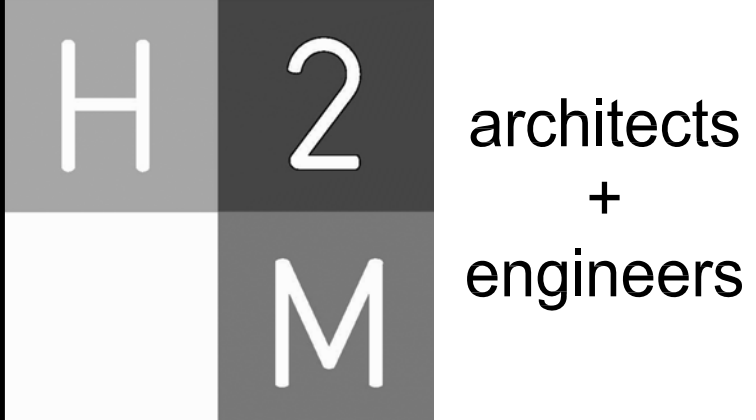
ROOM	ROOM NUMBER
000 ± S.F.	DESIGNATION TAG
OF	EXISTING FIRE EXTINGUISHER
EXIT	EXISTING EXIT SIGN
PULL	EXISTING PULL STATION
STROBE	EXISTING FIRE ALARM STROBE
SMOKE	EXISTING SMOKE DETECTOR
RESCUE	RESCUE WINDOW

2020 BUILDING CODE OF NEW YORK STATE

	ALLOWED	PROPOSED/EXISTING
BUILDING OCCUPANCY	EDUCATIONAL GROUP E	EDUCATIONAL GROUP E
CONSTRUCTION CLASSIFICATION	IIIB	IIIB
HEIGHT (STORIES)	2 STORIES	2 STORIES (NO CHANGE)
HEIGHT (FEET)	55 FEET	54 FEET (NO CHANGE)
FIRE AREA	14,500 S.F.	N/A (NO CHANGE)



Key Plan



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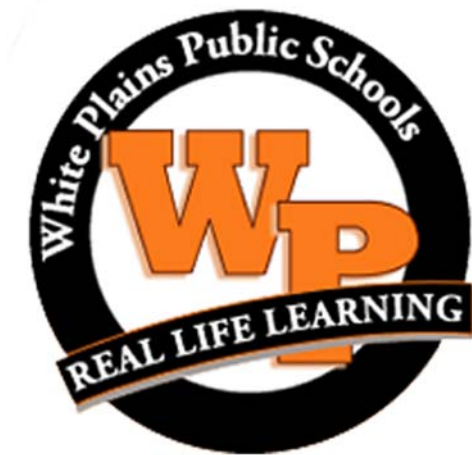
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PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE:	AS SHOWN

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School



100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

CONTRACT G GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE








EXISTING THIRD FLOOR PLAN


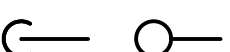



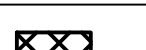
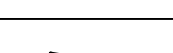
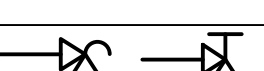

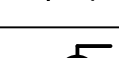
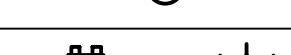
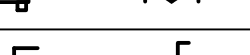

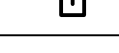
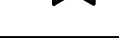

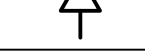
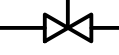



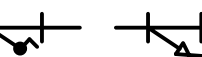

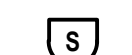
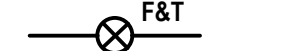




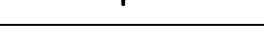
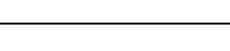
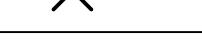
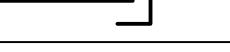
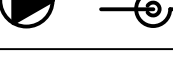
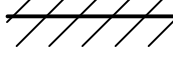
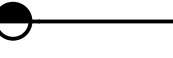
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ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
BCU	BUILDING CONTROL UNIT
BFW	BOILER FEED WATER
BTU	BRITISH THERMAL UNIT
CF	CHEMICAL FEED
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
COMM.	COMMUNICATION
CR	CONDENSATE RETURN
CV	CONTROL VALVE
(D)	DEMOLISH
DB	DRY BULB
DCV	DEMAND CONTROLLED VENTILATION
DEG. F	DEGREES FAHRENHEIT
DIA	DIAMETER
DX	DIRECT EXPANSION
'E'	ELECTRICAL CONTRACTOR
(E)	EXISTING
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATING
ESP	EXTERNAL STATIC PRESSURE
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FT. H2O	FEET OF WATER
'G'	GENERAL CONSTRUCTION CONTRACTOR
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
H	HEIGHT
'H'	HVAC CONTRACTOR
HP	HORSEPOWER
IN.	INCHES
IN. W.C. (W.G.)	INCHES WATER COLUMN (WATER GAUGE)
KW	KILOWATTS
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LCD	LIQUID CRYSTAL DISPLAY
LDB	LEAVING DRY BULB TEMPERATURE
LPS	LOW PRESSURE STEAM
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
M	METER
MAX	MAXIMUM
MBH	1,000 BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MNF	MANUFACTURER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OAI	OUTDOOR AIR INTAKE
OD	OUTER DIAMETER
OED	OPEN ENDED DUCT
'P'	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PSIG	LBS / SQUARE INCH (GAUGE PRESSURE)
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAT	SUPPLY AIR TEMPERATURE
SEER	SEASONAL ENERGY EFFICIENCY RATING
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
W	WIDTH
WB	WET BULB
WMS	WIRE MESH SCREEN

DUCTWORK LEGEND		
SYMBOL	ABBREV	DESCRIPTION
		DUCTWORK BRANCH CONNECTION
	VD	VOLUME DAMPER
	CD	ROUND FACE SUPPLY DIFFUSER
	SEE AIR DEVICE SCHEDULE	SIDEWALL SUPPLY, RETURN OR EXHAUST GRILLE/REGISTER
	SEE AIR DEVICE SCHEDULE	SQUARE FACE SUPPLY DIFFUSER
	SEE AIR DEVICE SCHEDULE	BOTTOM RETURN OR EXHAUST GRILLE/REGISTER
	FC	FLEXIBLE CONNECTION
		TURNING VANES
		RECTANGULAR TO ROUND TRANSITION
	AL	ACOUSTICAL LINING
		END CAP
	SEE AIR DEVICE SCHEDULE	SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)
		SUPPLY DUCT DROP (TURN DOWN)
		RETURN/EXHAUST DUCT DROP (TURN DOWN)
		SUPPLY DUCT RISE
		RETURN/EXHAUST DUCT RISE
	DSD	DUCT SMOKE DETECTOR
	MD	MOTORIZED DAMPER WITH ACTUATOR
	AD	ACCESS DOOR
	FD/AD	FIRE DAMPER WITH ACCESS DOOR
	FSD/AD	FIRE SMOKE DAMPER WITH ACCESS DOOR
		FAN
		WORK TO BE REMOVED
		POINT OF DISCONNECTION FROM EXISTING
		POINT OF CONNECTION TO EXISTING


SYMBOL	ABBREV	DESCRIPTION
		CARBON MONOXIDE SENSOR
		PRESSURE SENSOR
		NATURAL GAS/METHANE SENSOR
		THERMOSTAT
		COMBINATION TEMPERATURE/HUMIDITY SENSOR
		AQUASTAT
		REMOTE HORN/STROBE

PIPING LEGEND		
SYMBOL	ABBREV	DESCRIPTION
		NEW WORK
		PIPING DOWN/ PIPING UP
		BALL VALVE WITH HOSE END CONNECTION
	TH	THERMOMETER
	U	UNION
	FPC	FLEXIBLE PIPE CONNECTION
		DIRECTION OF FLOW
	PSR	PRESSURE SAFETY AND RELIEF VALVE
	PRV	PRESSURE REDUCING VALVE
	BV	BALL VALVE
	BA	BALANCING VALVE
	BFV	BUTTERFLY VALVE
		TEMPERATURE SENSOR WITH THERMOWELL
	GA	GATE VALVE
	GB	GLOBE VALVE
	AV	AUTOMATIC AIR VENT
	CV	2-WAY ELECTRONIC CONTROL VALVE
	CV	3-WAY ELECTRONIC CONTROL VALVE
	CV	2-WAY PNEUMATIC CONTROL VALVE
	CV	3-WAY PNEUMATIC CONTROL VALVE
	STR	STRAINER WITH BLOW OFF VALVE WITH HOSE END CONNECTION
	FD	FLOOR DRAIN
		AIR SEPARATOR
		STEAM TRAPS (INDICATE TYPE)
	CH	CHECK VALVE
	PG	PRESSURE GAUGE WITH GAUGE COCK
	RED	REDUCER
	CO	CLEANOUT END CAP
		PIPE GUIDE
		PIPE ANCHOR
		CAPPED PIPE
		PUMP
		WORK TO BE REMOVED
		POINT OF DISCONNECTION FROM EXISTING
		POINT OF CONNECTION TO EXISTING
	TDV	TRIPLE DUTY VALVE

- ## GENERAL NOTES
1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR. REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
 2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS.
 3. PERFORM ALL WORK IN ACCORDANCE WITH THE 2020 PLUMBING CODE, 2020 FIRE CODE, 2020 MECHANICAL CODE, 2020 ENERGY CONSERVATION CONSTRUCTION CODE, AND 2020 FUEL GAS CODE OF NEW YORK CITY AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
 4. COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL INSTALLATIONS.
 5. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, DUCTWORK, CONDUIT, ETC. PROVIDE FIRE DAMPERS AND ACCESS DOORS IN ALL OPENINGS IN FIRE RATED FLOORS, PARTITIONS, AND WALLS FOR DUCTWORK AS PER THE MECHANICAL CODE OF NEW YORK CITY. (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED CONSTRUCTION.)
 6. DO NOT SCALE DRAWINGS. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS, PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S REQUIREMENTS TO PROVIDE PROPER CLEARANCE FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTOR'S FABRICATED ITEMS SHALL ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.
 7. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
 8. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
 9. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
 10. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
 11. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP, AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
 12. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING AND DUCT TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
 13. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
 14. COMPLETE ALL PRESSURE TESTS BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK, OR PIPING INSULATION IS APPLIED.
 15. TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB), PERFORM ALL TESTING, ADJUSTING, AND BALANCING IN ACCORDANCE WITH THE SPECIFICATIONS.
 16. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
 17. PROVIDE CONCRETE PADS A MINIMUM OF 6 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
 18. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 19. FURNISH AND INSTALL ALL NECESSARY CONTROL WIRING, CONDUIT, AND ACCESSORIES AS REQUIRED TO PROVIDE FULLY FUNCTIONING SYSTEMS AND SEQUENCES OF OPERATION.
 20. PROVIDE ALL BMS HARDWARE (FIELD CONTROLLERS, EXPANSION MODULES, SENSORS, ETC), SOFTWARE UPGRADES AND PROGRAMMING AS REQUIRED TO PROVIDE A COMPLETE FUNCTIONING SYSTEM TO PERFORM THE SPECIFIED AND REQUIRED CONTROL SEQUENCES.
- ## WORK IN EXISTING AREAS
3. EXISTING CONDITIONS, INCLUDING EQUIPMENT, DUCT AND PIPE SIZES AND LOCATIONS, INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC. CONFIRM ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
 4. CUT AND PATCH EXISTING CONSTRUCTION AS REQUIRED FOR THE PERFORMANCE OF THE WORK. PERFORM ALL CUTTING AND PATCHING WORK IN A MANNER SUCH THAT ANY EXISTING WARRANTIES/GUARANTEES ARE NOT VOIDED. USE QUALIFIED PERSONNEL IN PERFORMANCE OF THE WORK.

LEGENDS/ABBREVIATIONS NOTES

1. ABBREVIATIONS AND SYMBOLS ON THIS SHEET DO NOT DEFINE THE SCOPE OF WORK.




architects
+
engineers

2700 Westchester Ave., Suite 415
Purchase, NY 10577
914.358.5623 • www.h2m.com

CONSULTANTS:

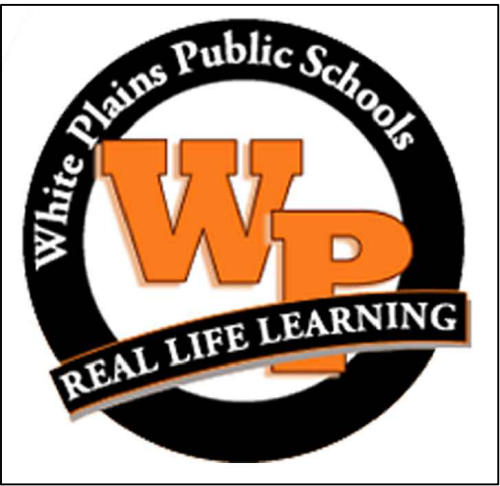
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PROJECT NO. WPSD2113	DATE FEBRUARY 2013	SCALE AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School



**100 Orchard Street
White Plains NY, 10604**

66-22-00-01-0-009-017

CONTRACT

CONTRACT H HEATING VENTILATION AND AIR CONDITIONING

STATUS

FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL GENERAL NOTES AND LEGENDS


DRAWING No.

M 001.00

ASBESTOS ABATEMENT NOTES

1. ALL ASBESTOS ABATEMENT WORK SHALL CONFORM TO ALL APPLICABLE CODE REQUIREMENTS ALONG WITH SPECIFICATION SECTION 13280 AND INDUSTRIAL CODE RULE 56.
2. IN ACCORDANCE WITH DISTRICT AHERA REPORT ALL VAT FLOORING SCHEDULED TO BE REMOVED HAS BEEN TESTED FOR THE PRESENCE OF ASBESTOS AND UPON ANALYSIS, WAS DETERMINED TO BE POSITIVE FOR ASBESTOS CONTENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM PERSONAL AIR MONITORING ON ITS EMPLOYEES IN ACCORDANCE WITH OSHA REGULATIONS.
4. THIRD PARTY PROJECT MONITORING AND AIR SAMPLING SHALL BE CONDUCTED BY A CONSULTANT FIRM HIRED DIRECTLY BY THE OWNER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO FILE FOR ALL PERMITS AND NOTIFY ALL REGULATORY AGENCIES AS REQUIRED FOR THE WORK AND PAY ALL FEES ASSOCIATED WITH SUCH.
6. UPON COMPLETION OF THE DEMOLITION WORK, THE CONTRACTOR SHALL SUBMIT COPIES OF ALL WASTE MANIFEST AND LANDFILL RECEIPTS TO THE ARCHITECT AS PART OF THE REQUIRED CLOSEOUT DOCUMENTS.
7. ALL OPENINGS AND PENETRATIONS INCLUDING BUT NOT LIMITED TO WINDOWS, DOORS, DUCTS, LOUVERS AND GRILLES WITHIN CLASSROOM/OFFICE AND ROOF LEVEL SHALL BE COVERED WITH A MINIMUM OF TWO (2) LAYERS OF 6 MIL PLASTIC.
8. THE DISTRICT SHALL RELOCATE ALL NON PERMANENT ITEMS SUCH AS TEACHER BELONGINGS, BOOKS AND ALL ITEMS WHICH CANNOT BE COVERED BY PLASTIC, ALL DESKS, FURNITURE AND REMOVABLE SHELVING WILL BE RELOCATED BY THE CONTRACTOR PRIOR TO ASBESTOS ABATEMENT. CONTRACTOR MUST COORDINATE ABATEMENT SCHEDULE WITH DISTRICT.

ASBESTOS ABATEMENT LEGEND

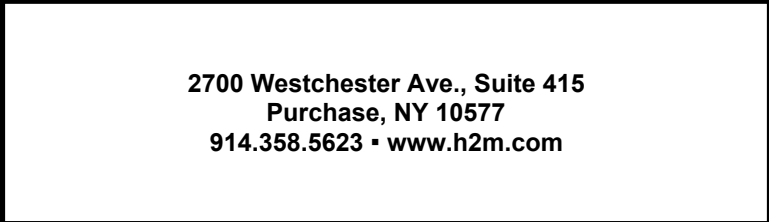
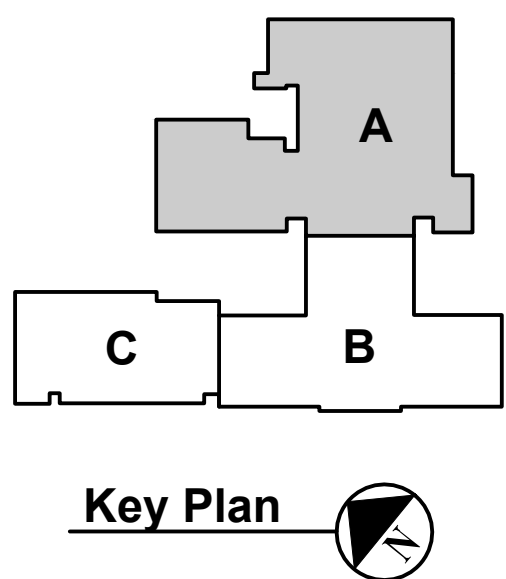
	AREA OF ASBESTOS ABATEMENT WORK FOR PIPE JOINT AND ASSOCIATED DEBRIS IN CEILING PLENUM
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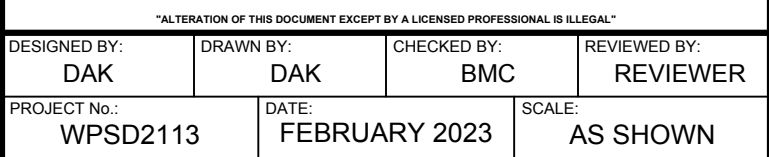
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5. PATCH/SEAL ALL OPENINGS AND PENETRATIONS TO MATCH SURROUNDING FINISHES).
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- 2 REMOVE AND DISPOSE OF EXISTING FRESH AIR INTAKE LOUVER(S). TEMPORARILY SEAL WALL OPENING(S) AS REQUIRED TO PREPARE FOR NEW WORK / WEATHER.
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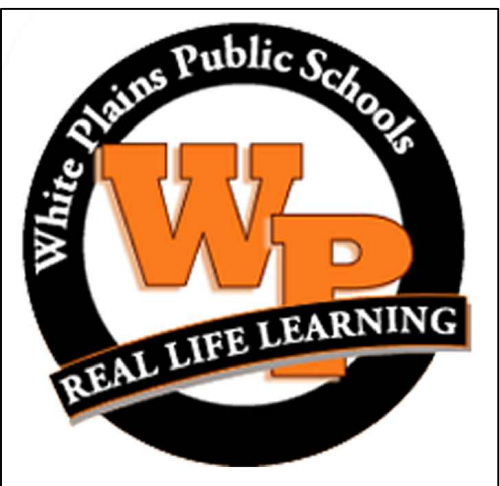


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White Plains City School District

UV Replacements at the George Washington Elementary School



**100 Orchard Street
White Plains NY, 10604**

66-22-00-01-0-009-017

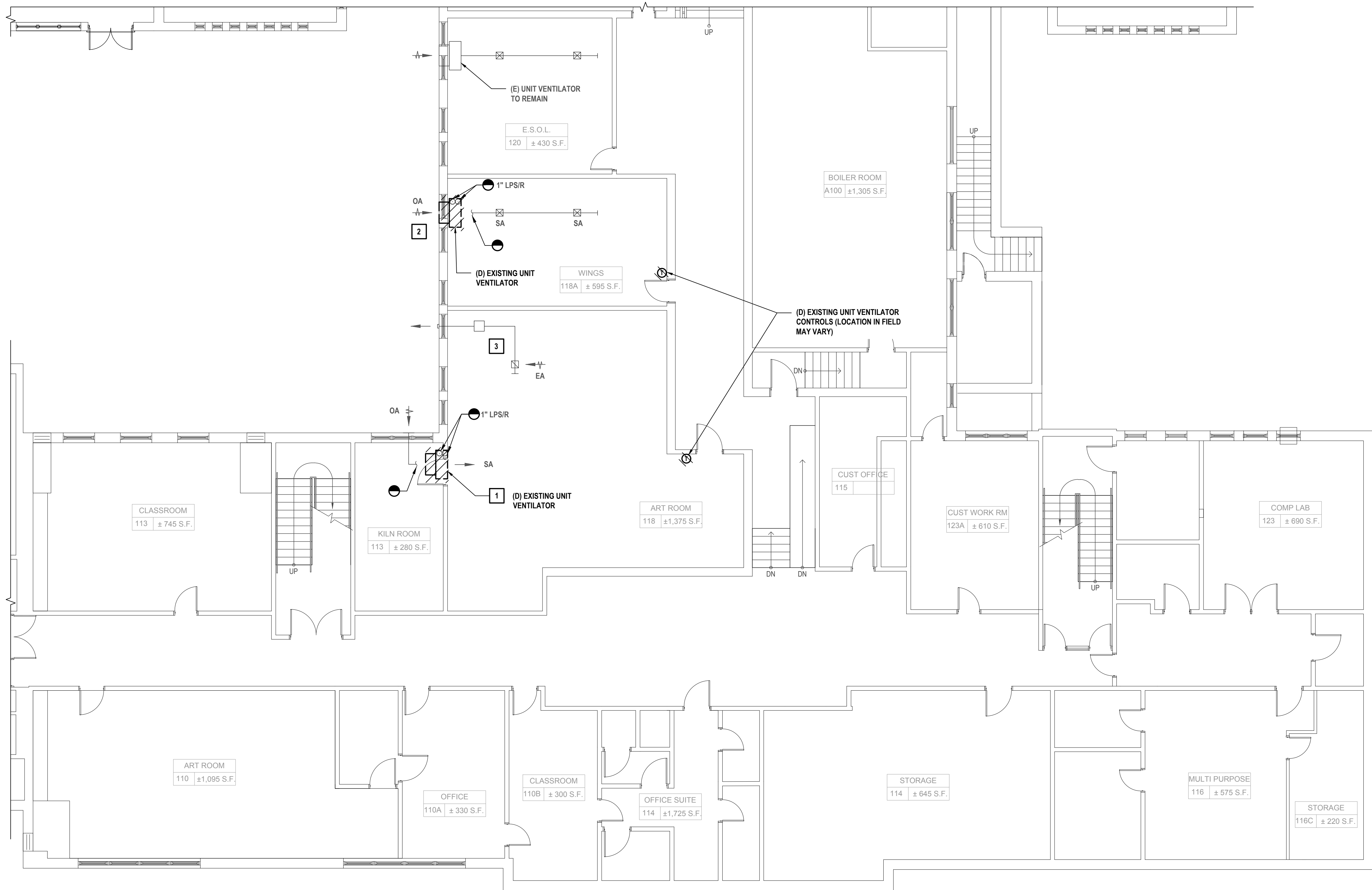
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

FINAL BID DOCUMENT

MECHANICAL DEMOLITION FIRST FLOOR PLAN PART A

MD 110A.00

X:\PSD\White Plains Central School District - 1000\WPSD 2113 - GVI\UT Replacements\02-BIM\CADD\CD\Condems\Bldg 11MD 110B.00 MECHANICAL DEMOLITION FIRST FLOOR PLAN PART B.dwg Last Modified: Jul 14, 2022 - 1:49pm Plotted on Feb 03, 2023 - 5:54pm By bcsadi



1 First Floor Plan
SCALE: 1/8"=1'-0"

UNIT VENTILATOR SURVEY NOTES:

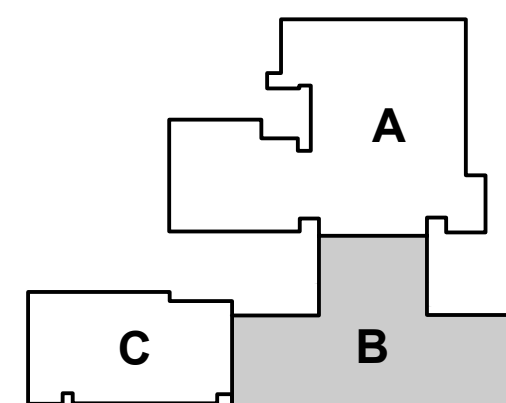
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GENERAL NOTES:

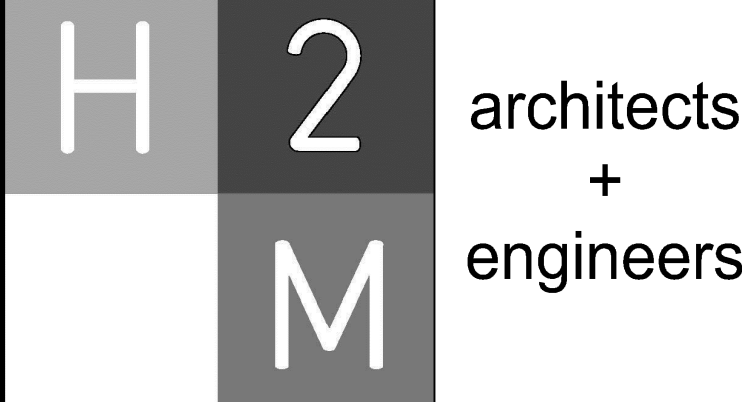
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Key Plan



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Purchase, NY 10577
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CONSULTANTS:

MARK	DATE	DESCRIPTION
-	02-03-2023	FINAL BID DOCUMENT



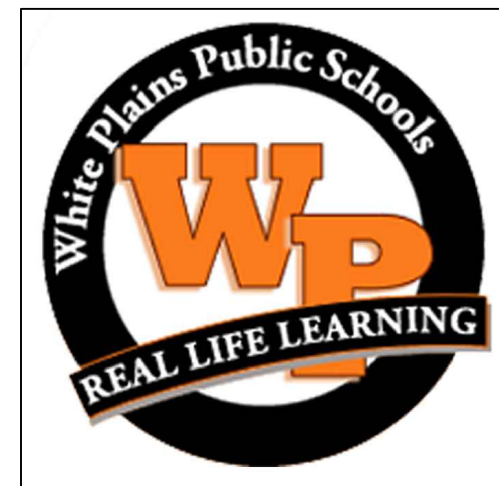
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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

**White Plains City
School District**

**UV Replacements at the
George Washington
Elementary School**



100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

SHEET

FINAL BID DOCUMENT

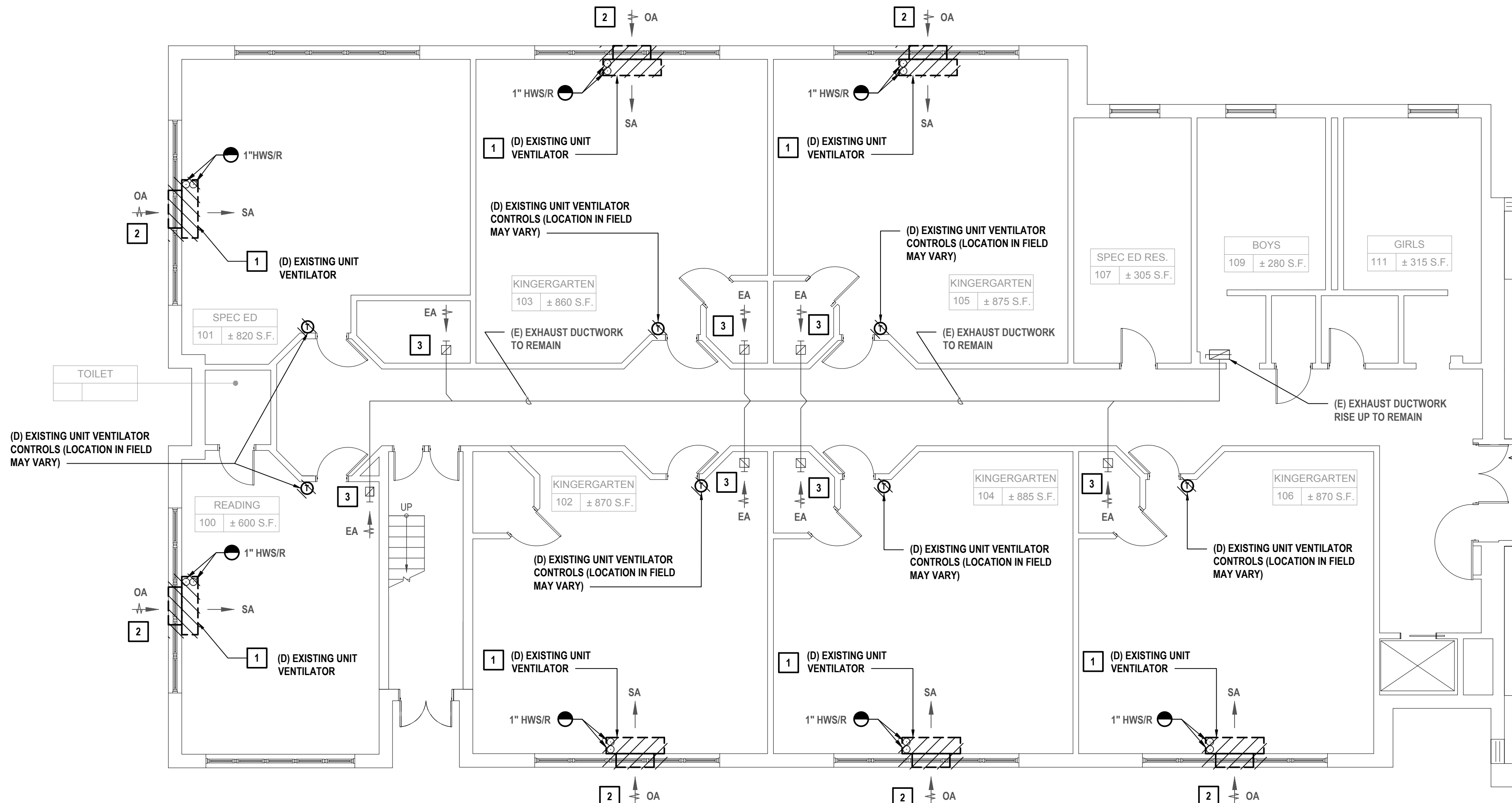
SHEET TITLE

**MECHANICAL DEMOLITION
FIRST FLOOR PLAN PART B**

DRAWING NO.

MD 110B.00

X:\PSD\White Plains Central School District - 10851 WPSD 2113 - GH\13\Replacements\110C.00 MECHANICAL DEMOLITION FIRST FLOOR PLAN PART C.dwg Last Modified: Jul 14, 2022 - 1:46pm Plotted on: Feb 03, 2023 - 5:55pm By: baskali



1 First Floor Plan
SCALE: 1/8"=1'-0"

GENERAL NOTES:

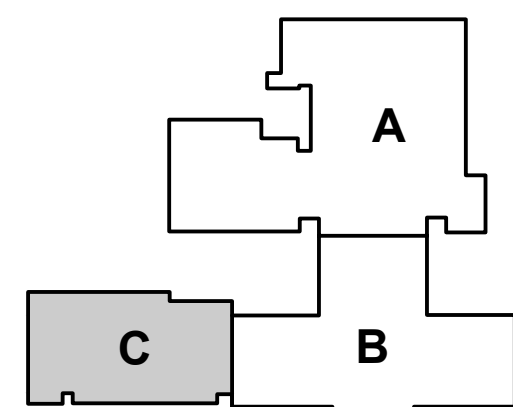
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UNIT VENTILATOR SURVEY NOTES:

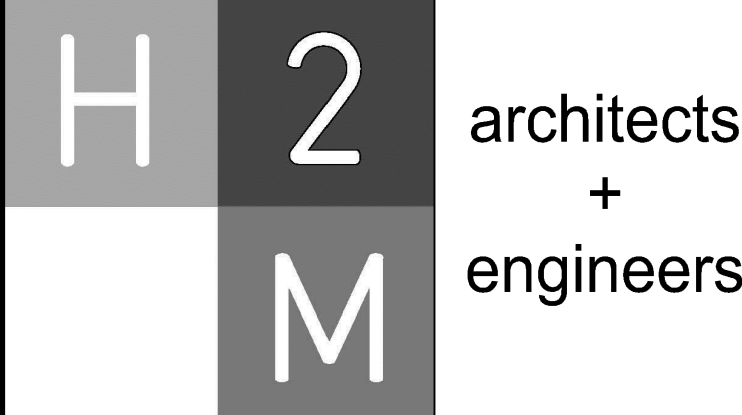
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Key Plan



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CONSULTANTS:

MARK	DATE	DESCRIPTION
-	02-03-2023	FINAL BID DOCUMENT

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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School

**100 Orchard Street
White Plains NY, 10604**

66-22-00-01-0-009-017

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

**MECHANICAL DEMOLITION
FIRST FLOOR PLAN PART C**

DRAWING No.

MD 110C.00

X:\PSD\White Plains Central School District - 1081\WPSD 111A.00 Mechanical Demolition Second Floor Plan Part A.dwg Last Modified: Jan 07, 2023, 1:18pm Plotted on Feb 03, 2023, 5:55pm By bdesaut

1 Second Floor Plan

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

UNIT VENTILATOR SURVEY NOTES:

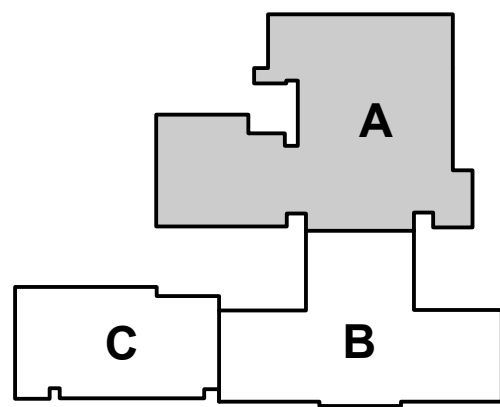
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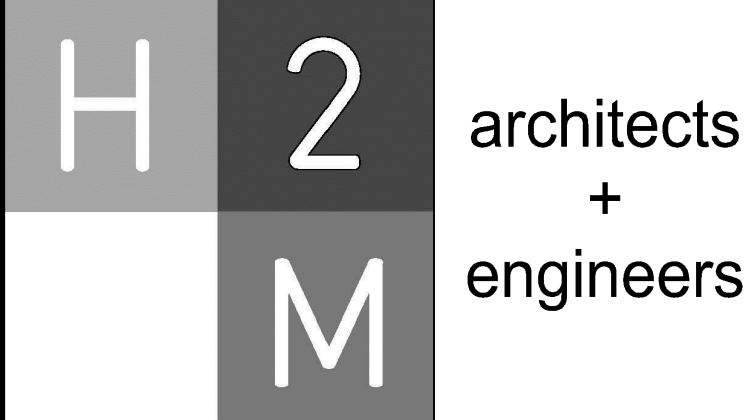
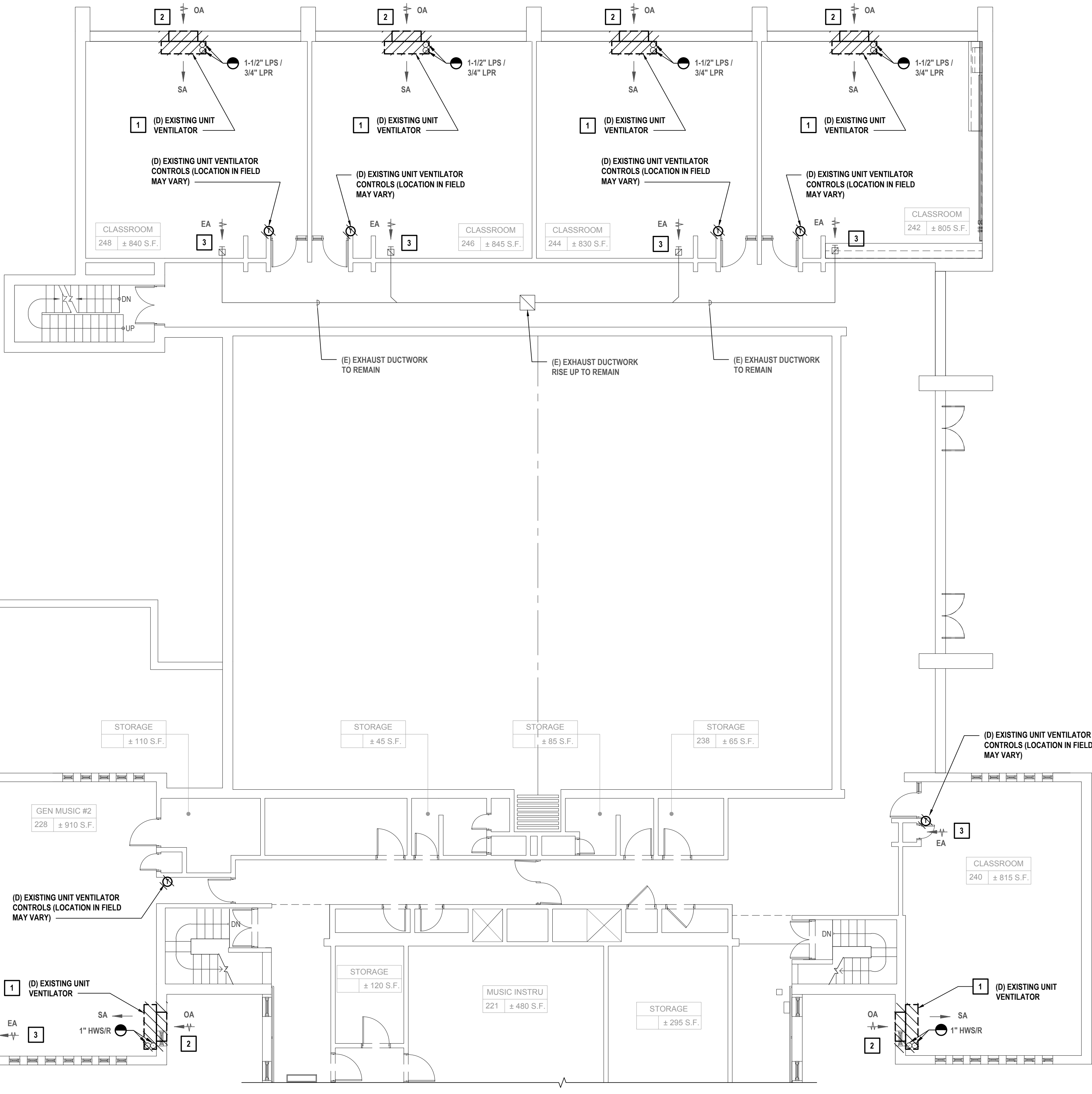
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Key Plan



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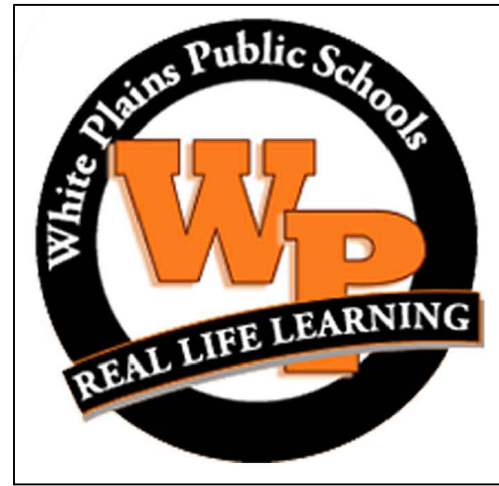
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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School



100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

CONTRACT H HEATING VENTILATION AND AIR CONDITIONING

STATUS

FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL DEMOLITION SECOND FLOOR PLAN PART A

DRAWING NO.

MD 111A.00

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Purchase, NY 10577
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CONSULTANTS:

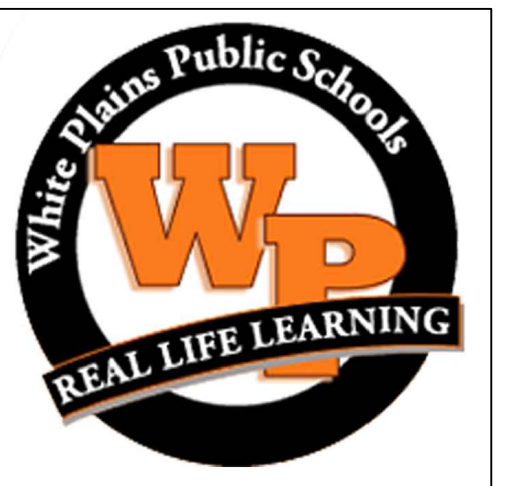
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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

JV Replacements at the George Washington Elementary School



**100 Orchard Street
White Plains NY, 10604**

66-22-00-01-0-009-017

CONTRACT

CONTRACT H HEATING VENTILATION AND AIR CONDITIONING

STATUS

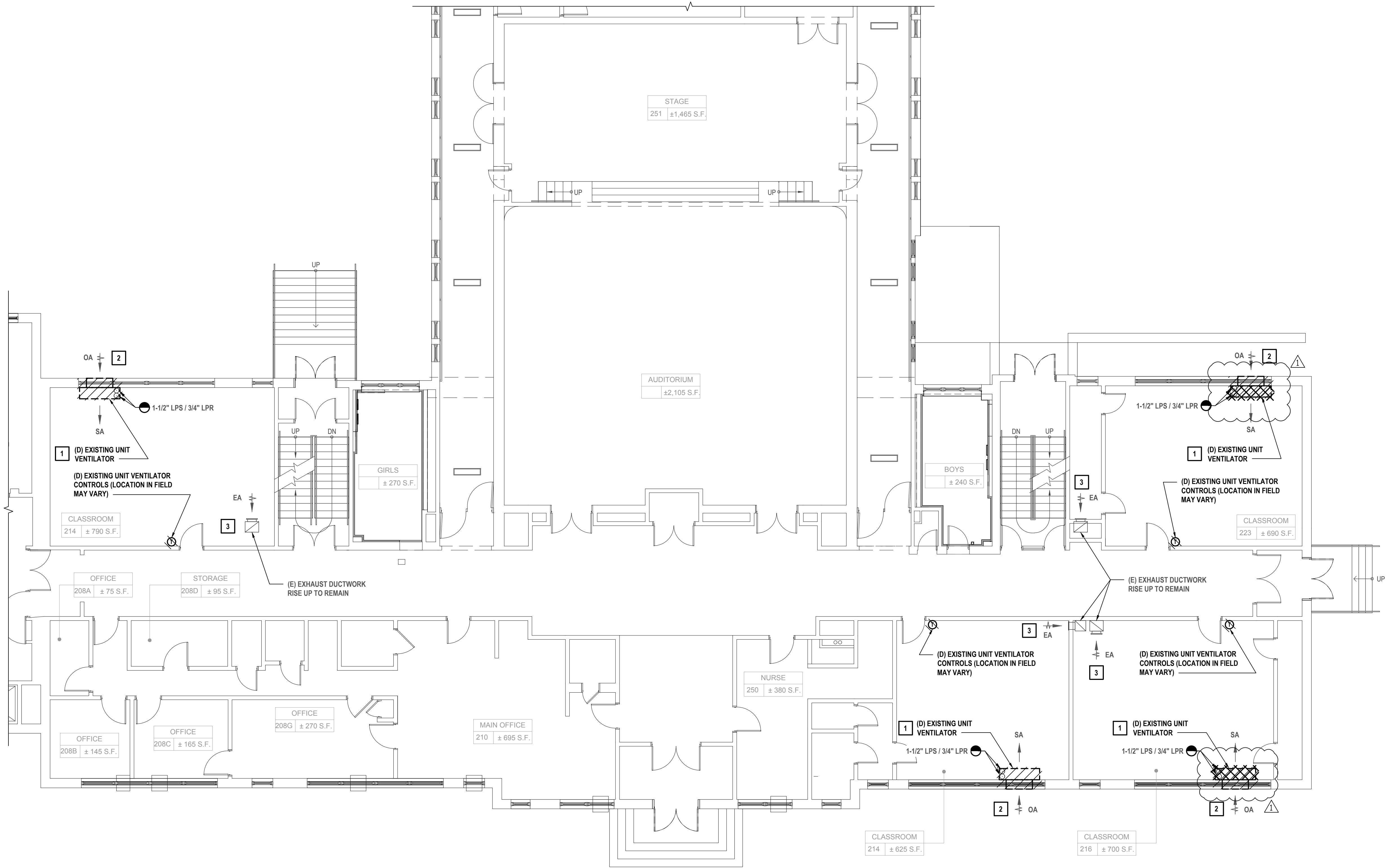
FINAL BID DOCUMENT

SHEET TITLE

**MECHANICAL DEMOLITION
SECOND FLOOR PLAN PART
B**

DRAWING No.

MD 111B.00



1 Second Floor Plan
SCALE: 1/8"=1'-0"

UNIT VENTILATOR SURVEY NOTES:

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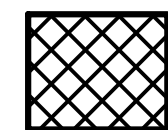
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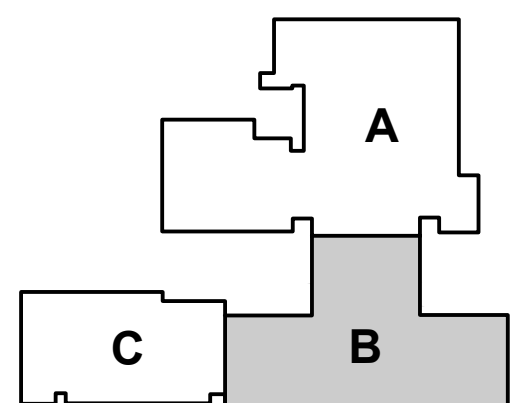
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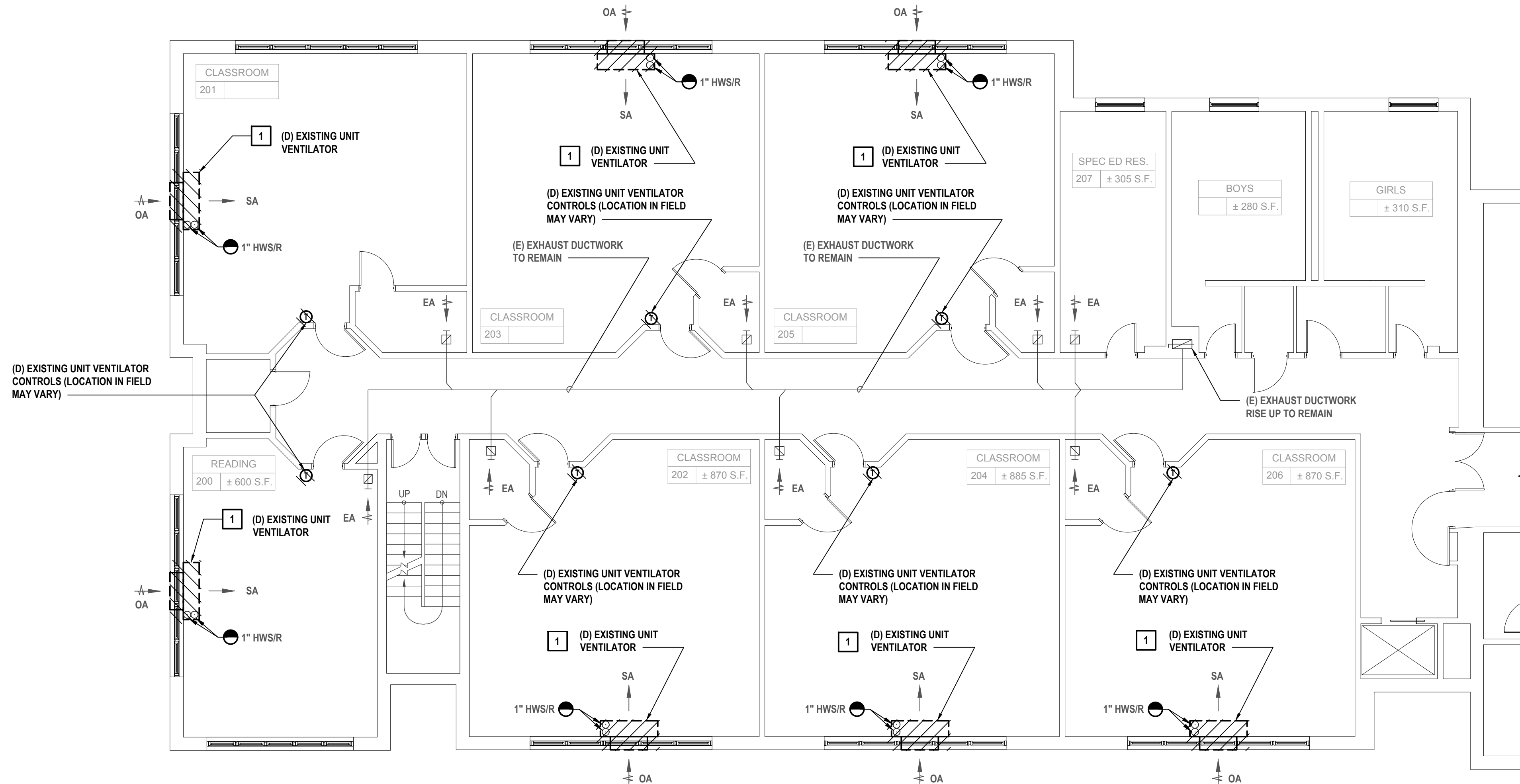


**AREA OF ASBESTOS ABATEMENT WORK FOR REMOVAL OF FELT
PAPER / FLOOR FILL UNDER ORIGINAL WOOD FLOORING
SUBSTRATE. (10 SQFT PER ROOM)**



Key Plan

X:\WPSP\White Plains Central School District - 10851\WPSP 2113 - GHV UV Replacements\102-BIM\CADD\Construction\Building\111C.00 MECHANICAL DEMOLITION SECOND FLOOR PLAN PART C.dwg Plot on Feb 03, 2023 - 5:56pm BJ baselli



1 Second Floor Plan
SCALE: 1/8"=1'-0"

UNIT VENTILATOR SURVEY NOTES:

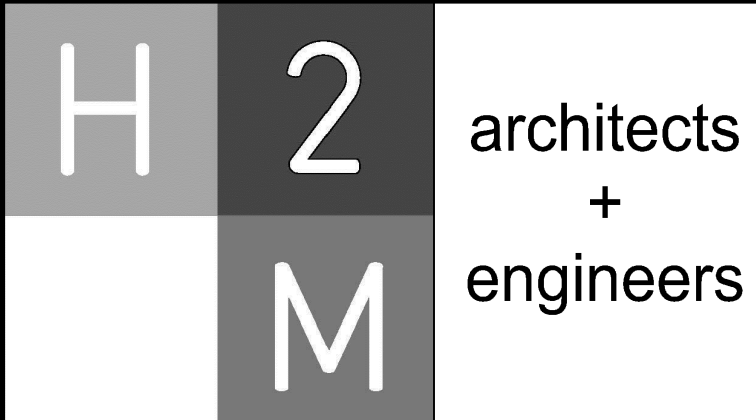
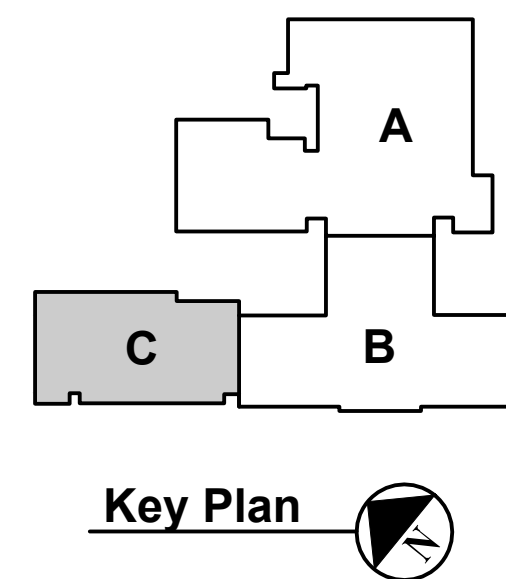
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- CONTRACTOR TO IDENTIFY REQUIRE QUANTITIES OF LEFT / RIGHT UNIT VENTS PRIOR TO PURCHASE AND INSTALL OF NEW UNIT VENTILATORS.

GENERAL NOTES:

- EXISTING CONDITIONS ARE BASED ON A LIMITED FIELD SURVEY. CONTRACT IS RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS FOR ALL CONFLICTS AND SHALL ALERT ENGINEER PRIOR TO COMMENCEMENT OF NEW WORK AND PURCHASE OF EQUIPMENT.
- DO NOT SCALE DRAWINGS. LINE WORK SHOWN IS SCHEMATIC. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS BASED ON DESIGN INTENT, SURVEY OF EXISTING CONDITIONS, AND COORDINATION WITH OTHER TRADES.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S REQUIRED MAINTENANCE CLEARANCES AND PREVAILING CODE.
- CONTRACTOR SHALL DEMOLISH AND REMOVE WINDOW ACs IN AREAS WHERE UNIT VENTILATORS ARE BEING REMOVED / REPLACED.
- PATCH/SEAL ALL OPENINGS AND PENETRATIONS TO MATCH SURROUNDING FINISH(ES).
- ALL EXISTING EXHAUST DUCTWORK, GRILLES, ETC TO REMAIN.

KEYED DEMOLITION NOTES:

- REMOVE AND DISPOSE OF EXISTING UNIT VENTILATOR(S), EXISTING ASSOCIATED CONTROLS, AND CONTROL WIRING. COORDINATE DEMOLITION OF UNIT VENTILATOR(S) WITH EXISTING SURROUNDING CASEWORK. DISCONNECT EXISTING HEATING COIL FROM EXISTING STEAM/CONDENSATE OR HYDRONIC (VERIFY IN FIELD) PIPING AND DEMOLISH PIPING AS REQUIRED TO COMPLETE NEW WORK. TEMPORARILY CAP PIPING WHERE REQUIRED TO PREPARE FOR NEW WORK.
- REMOVE AND DISPOSE OF EXISTING FRESH AIR INTAKE LOUVER(S). TEMPORARILY SEAL WALL OPENING(S) AS REQUIRED TO PREPARE FOR NEW WORK / WEATHER.
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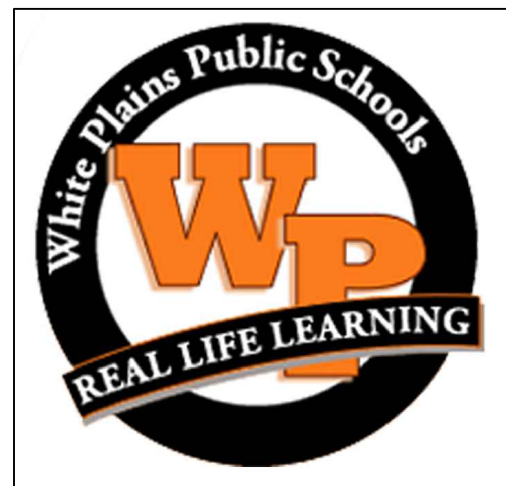
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DAK	DAK	BMC	REVIEWER
PROJECT NO.:	DATE:	SCALE:	
WPSP2113	FEBRUARY 2023	AS SHOWN	

CLIENT

**White Plains City
School District**

**UV Replacements at the
George Washington
Elementary School**



**100 Orchard Street
White Plains NY, 10604**

66-22-00-01-0-009-017

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

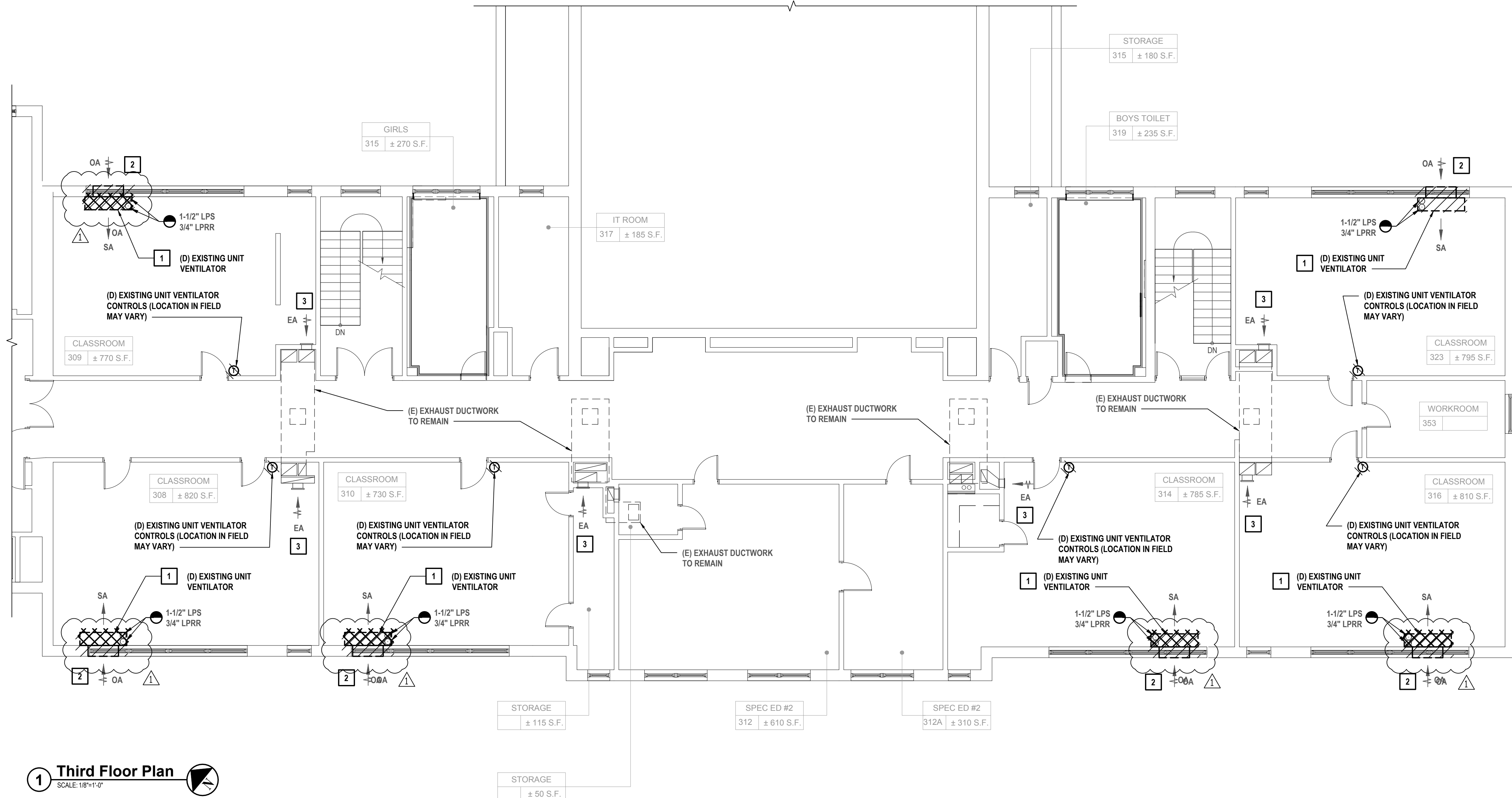
SHEET TITLE

**MECHANICAL DEMOLITION
SECOND FLOOR PLAN PART
C**

DRAWING NO.

MD 111C.00

X:\WPSD\White Plains Central School District - 100B\WPSD 2113 - GH\117 Replacements\102-BM-CAD\CD\Condensation\Building - 112B-00 MECHANICAL DEMOLITION THIRD FLOOR PLAN PART B.dwg Last Modified: Nov 08, 2022 3:27 pm Plotted on: Feb 02, 2023 5:58pm By: jscaselli



1 Third Floor Plan
SCALE: 1/8"=1'-0"

UNIT VENTILATOR SURVEY NOTES:

- EVALUATE CONDITION OF EXISTING WALL SLEEVE AND COORDINATE QUANTITY REQUIRED WITH PURCHASE OF NEW UNIT VENTILATORS. PATCH WALL TO MATCH EXISTING AS REQUIRED.
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- ALL EXISTING EXHAUST DUCTWORK, GRILLES, ETC TO REMAIN.

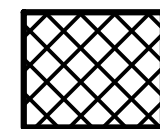
KEYED DEMOLITION NOTES:

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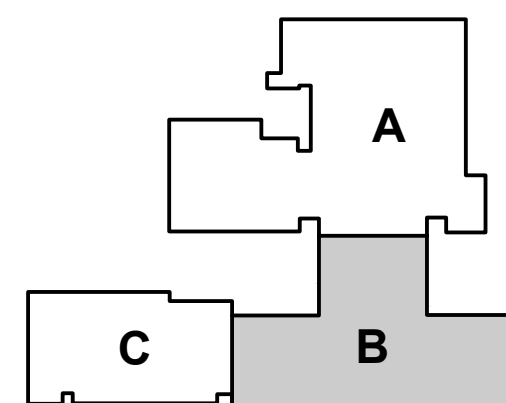
ASBESTOS ABATEMENT NOTES

- ALL ASBESTOS ABATEMENT WORK SHALL CONFORM TO ALL APPLICABLE CODE REQUIREMENTS ALONG WITH SPECIFICATION SECTION 13280 AND INDUSTRIAL CODE RULE 56.
- IN ACCORDANCE WITH DISTRICT AHERA REPORT ALL VAT FLOORING SCHEDULED TO BE REMOVED HAS BEEN TESTED FOR THE PRESENCE OF ASBESTOS AND UPON ANALYSIS, WAS DETERMINED TO BE POSITIVE FOR ASBESTOS CONTENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM PERSONAL AIR MONITORING ON ITS EMPLOYEES IN ACCORDANCE WITH OSHA REGULATIONS.
- THIRD PARTY PROJECT MONITORING AND AIR SAMPLING SHALL BE CONDUCTED BY A CONSULTANT FIRM HIRED DIRECTLY BY THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO FILE FOR ALL PERMITS AND NOTIFY ALL REGULATORY AGENCIES AS REQUIRED FOR THE WORK AND PAY ALL FEES ASSOCIATED WITH SUCH.
- UPON COMPLETION OF THE DEMOLITION WORK, THE CONTRACTOR SHALL SUBMIT COPIES OF ALL WASTE MANIFEST AND LANDFILL RECEIPTS TO THE ARCHITECT AS PART OF THE REQUIRED CLOSEOUT DOCUMENTS.
- ALL OPENINGS AND PENETRATIONS INCLUDING BUT NOT LIMITED TO WINDOWS, DOORS, DUCTS, LOUVERS AND GRILLES WITHIN CLASSROOM/OFFICE AND ROOF LEVEL SHALL BE COVERED WITH A MINIMUM OF TWO (2) LAYERS OF 6 MIL PLASTIC.
- THE DISTRICT SHALL RELOCATE ALL NON PERMANENT ITEMS SUCH AS TEACHER BELONGINGS, BOOKS AND ALL ITEMS WHICH CANNOT BE COVERED BY PLASTIC. ALL DESKS, FURNITURE AND REMOVABLE SHELVING WILL BE RELOCATED BY THE CONTRACTOR PRIOR TO ASBESTOS ABATEMENT. CONTRACTOR MUST COORDINATE ABATEMENT SCHEDULE WITH DISTRICT.

ASBESTOS ABATEMENT LEGEND



AREA OF ASBESTOS ABATEMENT WORK FOR REMOVAL OF FELT PAPER / FLOOR FILL UNDER ORIGINAL WOOD FLOORING SUBSTRATE. (10 SQFT PER ROOM)



Key Plan

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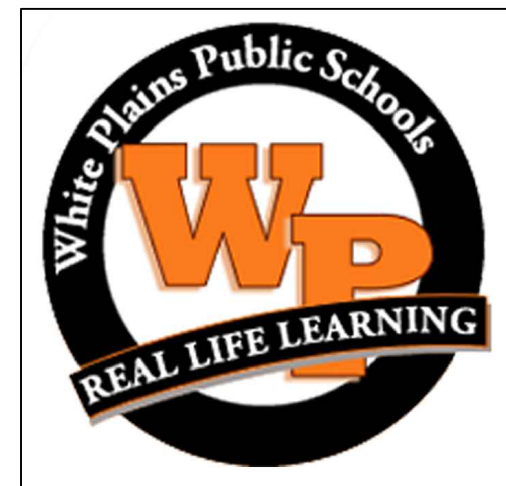
MARK	DATE	DESCRIPTION
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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO: WPSPD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
**White Plains City
School District**

**UV Replacements at the
George Washington
Elementary School**



**100 Orchard Street
White Plains NY, 10604**

66-22-00-01-0-009-017

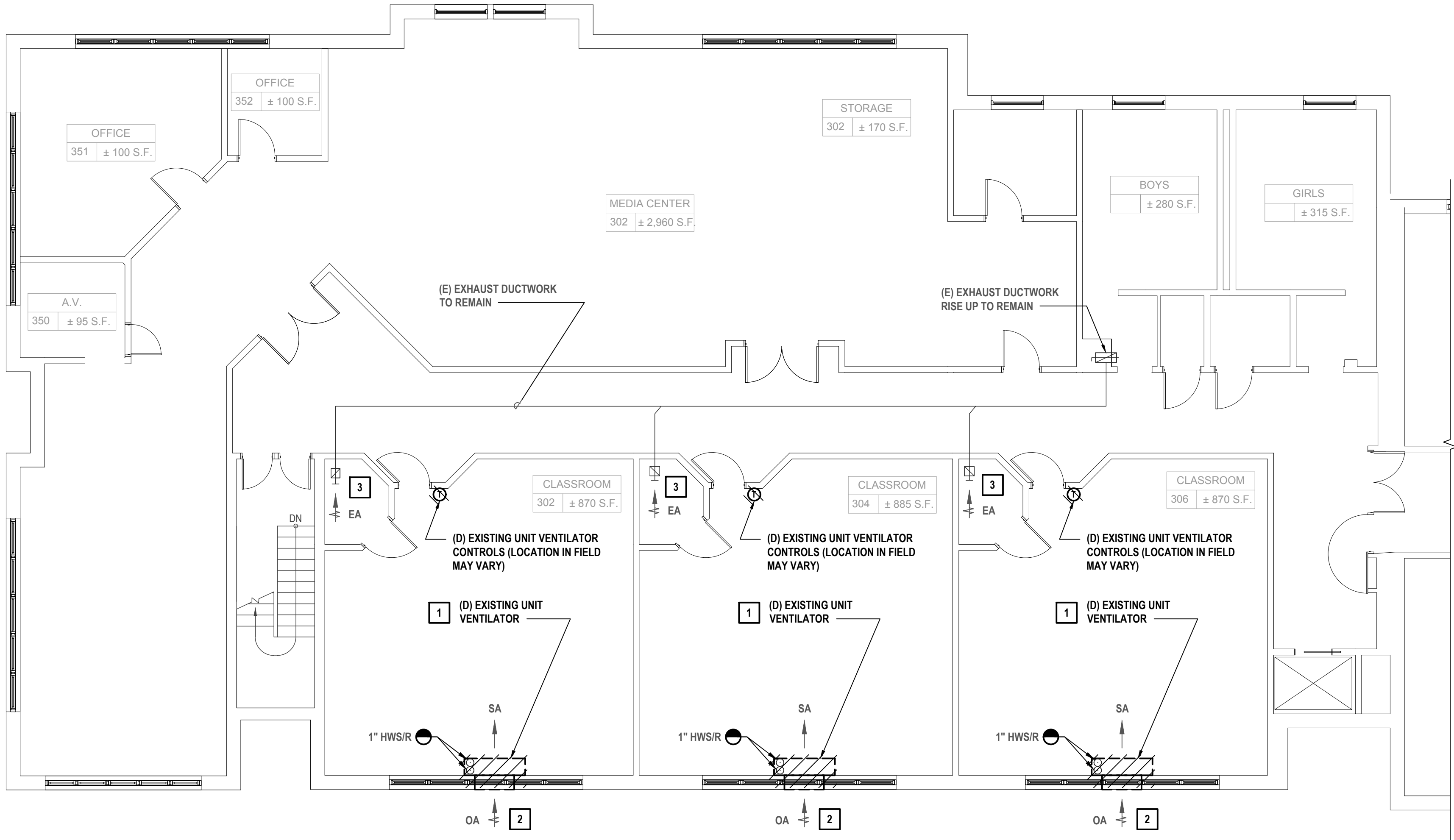
CONTRACT
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL DEMOLITION
THIRD FLOOR PLAN PART B**

DRAWING NO.
MD 112B.00

X:\PSD\White Plains Central School District - 10851\WPSD 213 - GH\17 Replacements\102-BIM\CADD\Condensation\Building 1\MD 112C.00 MECHANICAL DEMOLITION THIRD FLOOR PLAN PART C.dwg Last Modified: Jul 14, 2023 - 1:52pm Printed on: Feb 02, 2023 - 3:56pm By: jbsaelli



1 Third Floor Plan
SCALE: 1/8"=1'-0"

UNIT VENTILATOR SURVEY NOTES:

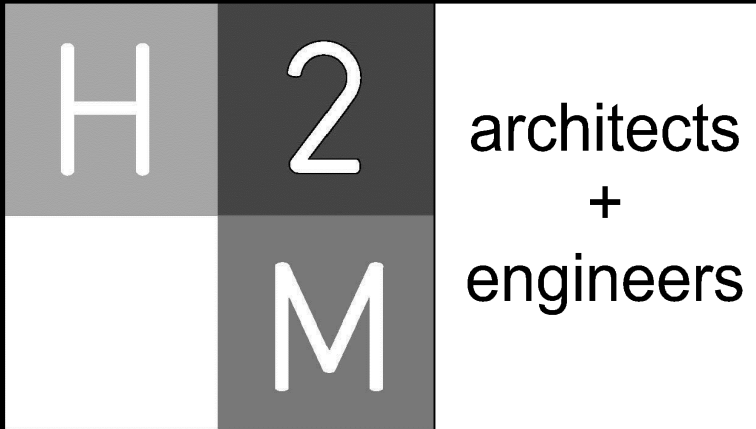
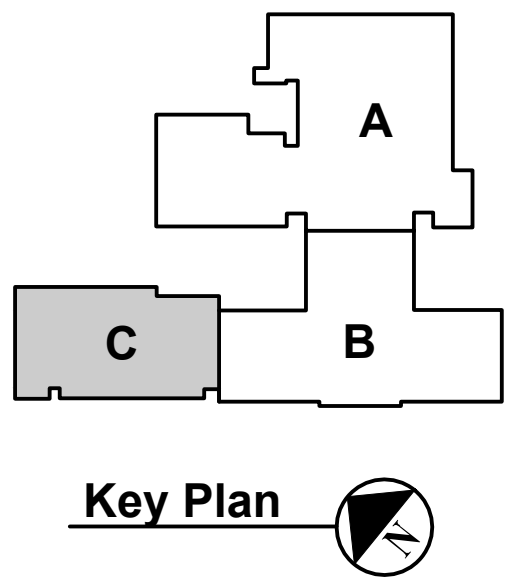
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PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

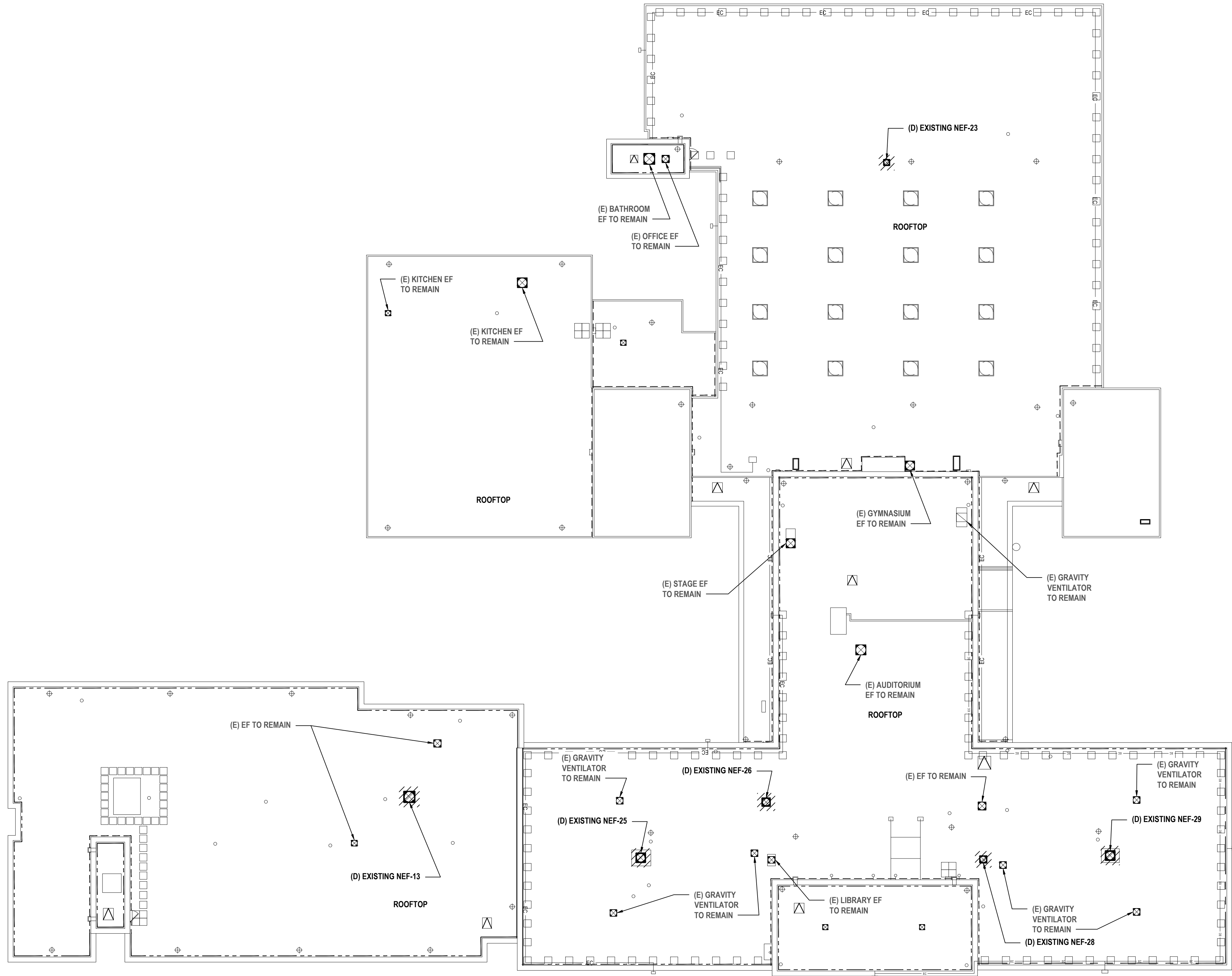
UV Replacements at the
George Washington
Elementary School

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT	CONTRACT H HEATING VENTILATION AND AIR CONDITIONING
STATUS	FINAL BID DOCUMENT
SHEET TITLE	MECHANICAL DEMOLITION THIRD FLOOR PLAN PART C
DRAWING NO.	MD 112C.00

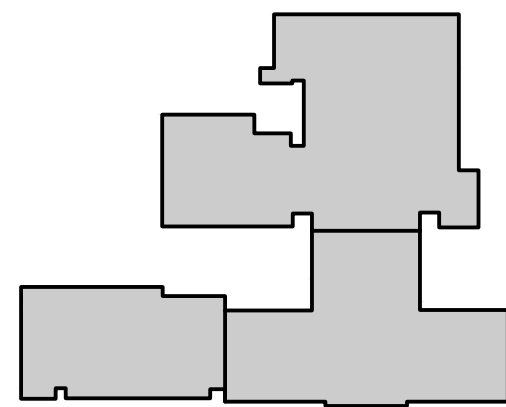
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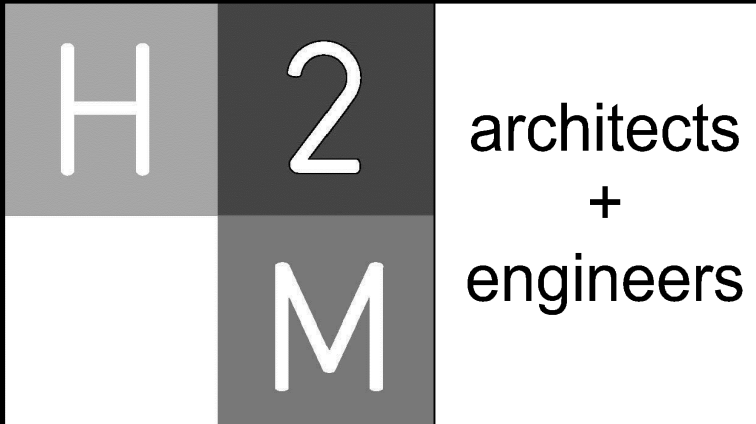
1 Roof Plan
SCALE: 1/16"=1'-0"

DEMOLITION NOTES:

1. DEMOLISH AND REMOVE EXISTING EXHAUST FAN AND EXISTING DAMPER.
2. PROVIDE AND INSTALL COVERINGS TO PROTECT ROOF OPENINGS AS REQUIRED. ROOF OPENINGS SHALL NOT BE LEFT UNPROTECTED AND SUBJECT TO WEATHER AND DEBRIS DAMAGE.
3. CONTRACTOR SHALL PERFORM A PRE-DEMOLITION BALANCING REPORT PRIOR TO REMOVING EXISTING EXHAUST FANS. SUBMIT RESULTS OF THIS REPORT TO ENGINEER OF RECORD.



Key Plan



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CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

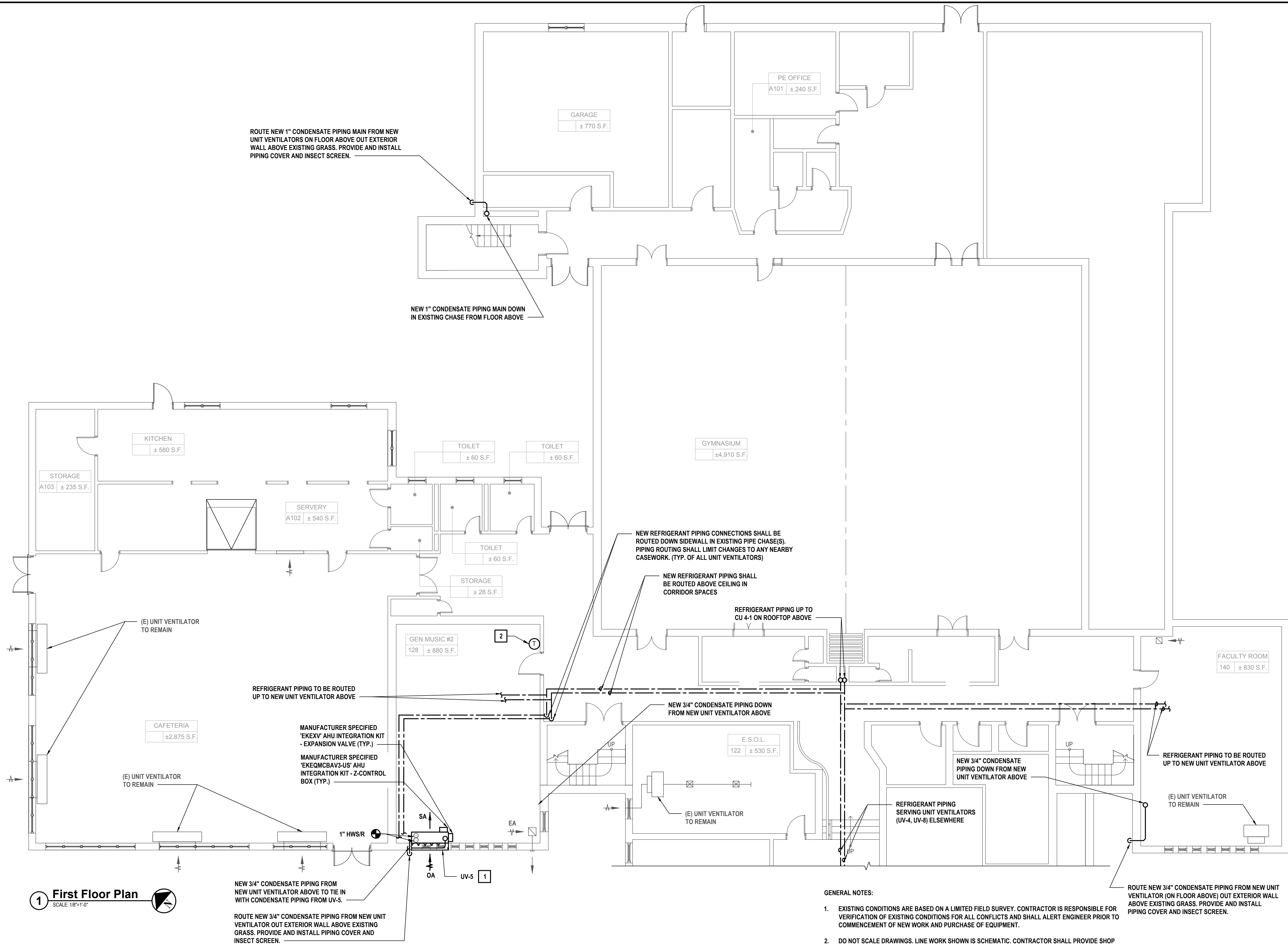
CONTRACT
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL DEMOLITION
ROOF PLAN**

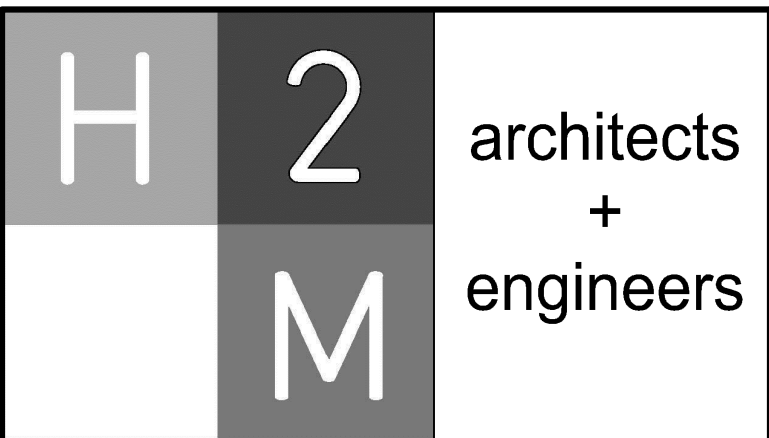
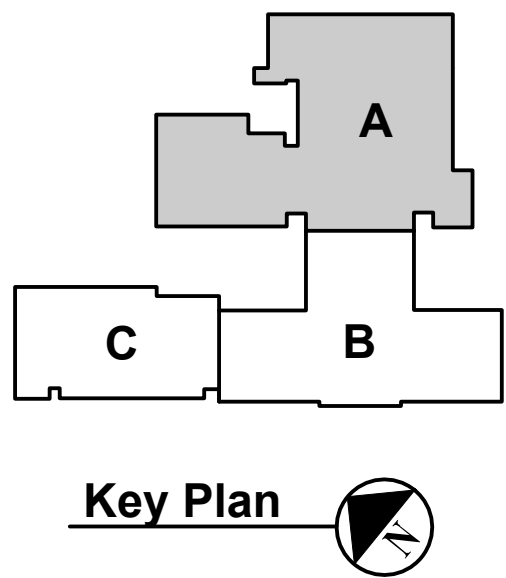
DRAWING No.
MD 140.00

X:\WPSP\White Plains Central School District - 10091\WPSP2113 - GYM UV Replacements\102-BIM\CADD\Condensation\Building - 111A.00 MECHANICAL FIRST FLOOR PLAN PART A.dwg Plot Date: Feb 03, 2023 - 2:22pm Plotted on: Feb 03, 2023 - 5:57pm By: jpsawall



GENERAL NOTES:

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- CONTRACTOR TO COORDINATE THE FINAL PLACEMENT OF ALL TEMPERATURE SENSORS AND NEW MANUFACTURER'S Z-CONTROL BOXES WITH THE DISTRICT AND/OR MANUFACTURER.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALTERATIONS TO EXISTING CASEWORK TO PROPERLY HIDE REFRIGERANT PIPING, EXPANSION VALVES, AND MAINTAIN EXISTING AESTHETIC.
- CONTRACTOR TO IDENTIFY BEST REQUIRED QUANTITIES OF DIFFERENT STEAM / DX COILS CONFIGURATIONS (LEFT / RIGHT) FOR ALL UNIT VENTILATORS PRIOR TO PURCHASE AND INSTALLATION OF NEW UNIT VENTILATORS. QUANTITIES SHOULD BE BASED ON EXISTING FIELD CONDITIONS, NEW WORK, AND LIMITING ALTERATIONS TO EXISTING CASEWORK.
- CONTRACTOR SHALL ROUTE ALL HORIZONTAL REFRIGERANT PIPING IN CEILING SPACES.



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PROJECT NO.: WPSP2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

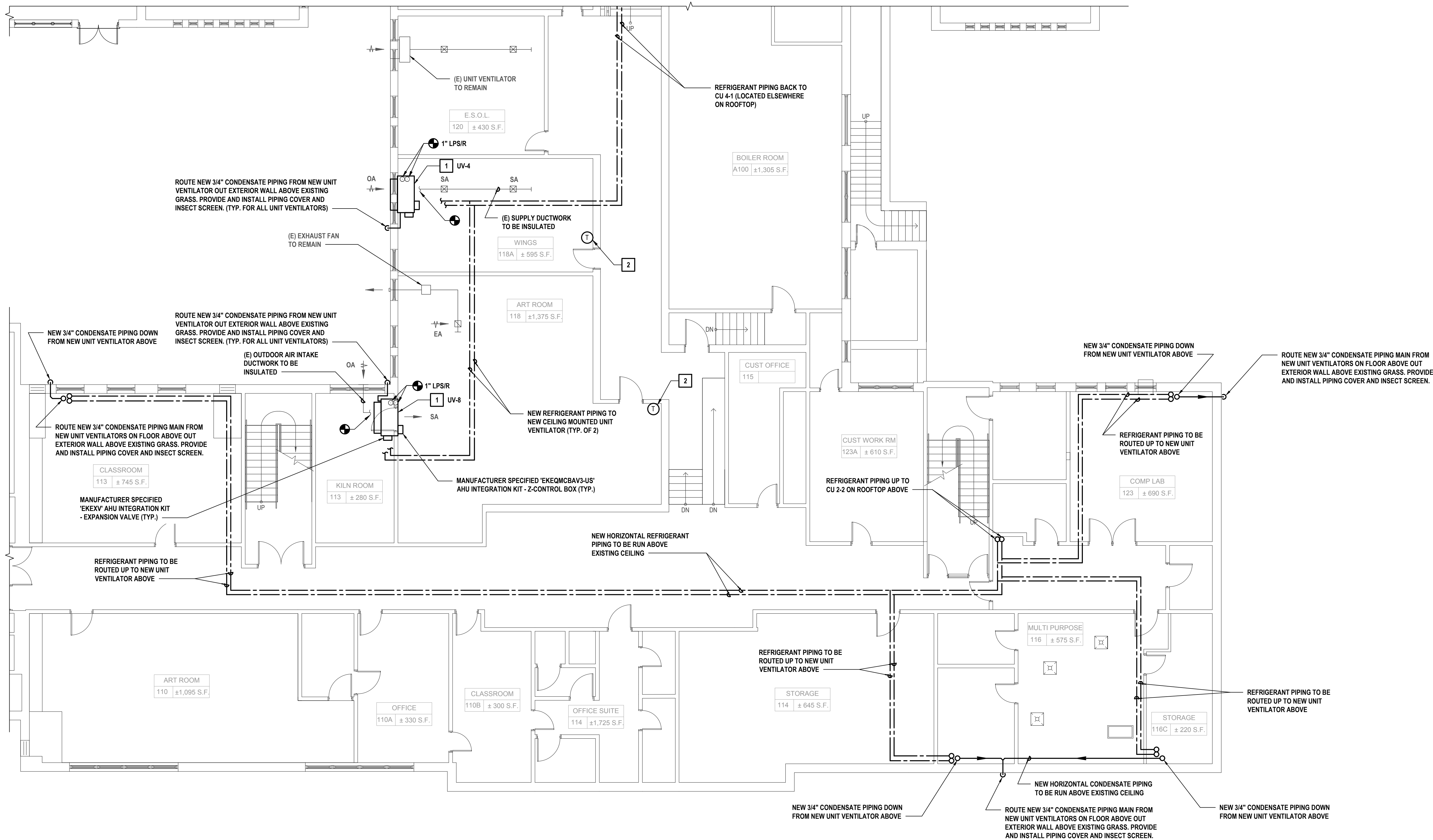
SHEET TITLE

**MECHANICAL FIRST FLOOR
PLAN PART A**

DRAWING No.

M 110A.00

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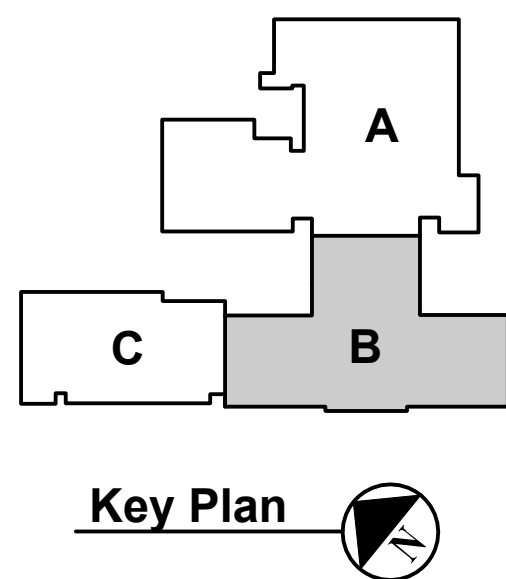
1 First Floor Plan
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- CONTRACTOR TO COORDINATE THE PLACEMENT OF ALL TEMPERATURE SENSORS WITH THE DISTRICT.
- PROVIDE AND INSTALL PIPE COVERINGS WHEREVER PIPING IS TO BE PLACED IN A VISIBLE AREA.
- INTEGRATE NEW UNIT VENTILATORS' OUTDOOR AIR CONTROLS WITH EXISTING BUILDING TIMECLOCK.
- INSTALL ALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

KEYED NOTES:

- PROVIDE AND INSTALL PIPING, FITTINGS, VALVES, ETC AS REQUIRED TO COMPLETE RECONNECTION TO EXISTING LOOP. INCORPORATE NEW UNIT VENTILATOR HEATING COIL IN NEW HYDRONIC LOOP. COORDINATE WORK WITH CASEWORK RENOVATIONS.
- PROVIDE AND INSTALL MANUFACTURER SPECIFIED LOW VOLTAGE WALL MOUNTED THERMOSTATS SERVING NEW UNIT VENTILATOR.



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SEAL OF THE STATE OF NEW YORK
BRUNO CASTELL
099167
REGISTERED PROFESSIONAL ENGINEER

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CLIENT

White Plains City School District

UV Replacements at the
George Washington
Elementary School

White Plains Public Schools
WP
REAL LIFE LEARNING

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

**MECHANICAL FIRST FLOOR
PLAN PART B**

DRAWING No.

M 110B.00

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CONSULTANTS:

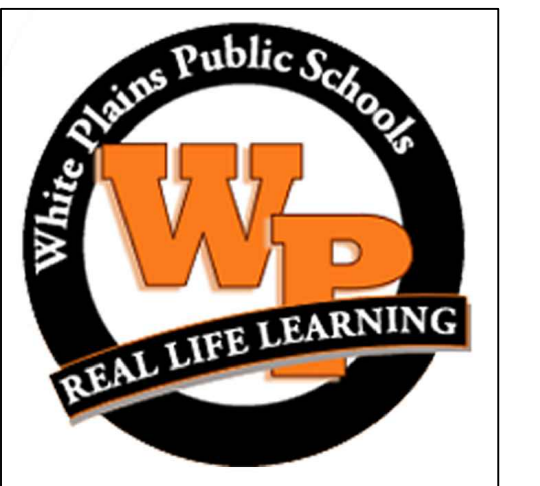
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PROJECT No.: WPSPD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

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White Plains City School District

UV Replacements at the George Washington Elementary School



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White Plains NY, 10604**

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CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL FIRST FLOOR PLAN PART C

DRAWING No.

M 110C.00



① First Floor Plan

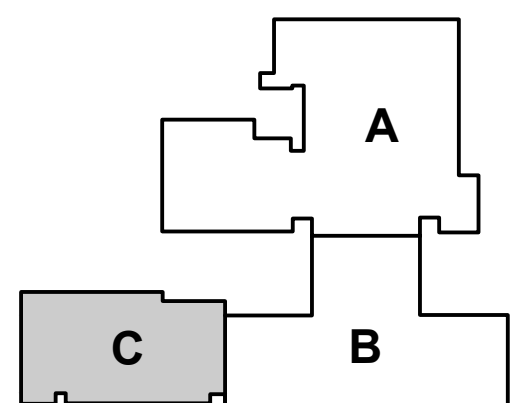
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9. INSTALL ALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

KEYED NOTES:

- 1 PROVIDE AND INSTALL PIPING, FITTINGS, VALVES, ETC AS REQUIRED TO COMPLETE RECONNECTION TO EXISTING LOOP. INCORPORATE NEW UNIT VENTILATOR HEATING COIL IN NEW HYDRONIC LOOP. COORDINATE WORK WITH CASEWORK RENOVATIONS.
- 2 PROVIDE AND INSTALL MANUFACTURER SPECIFIED LOW VOLTAGE WALL MOUNTED THERMOSTATS SERVING NEW UNIT VENTILATOR.
- 3 ROUTE NEW REFRIGERANT PIPING FROM CU 2-1 UP TO NEW UNIT VENTILATOR ON THE FLOOR ABOVE.



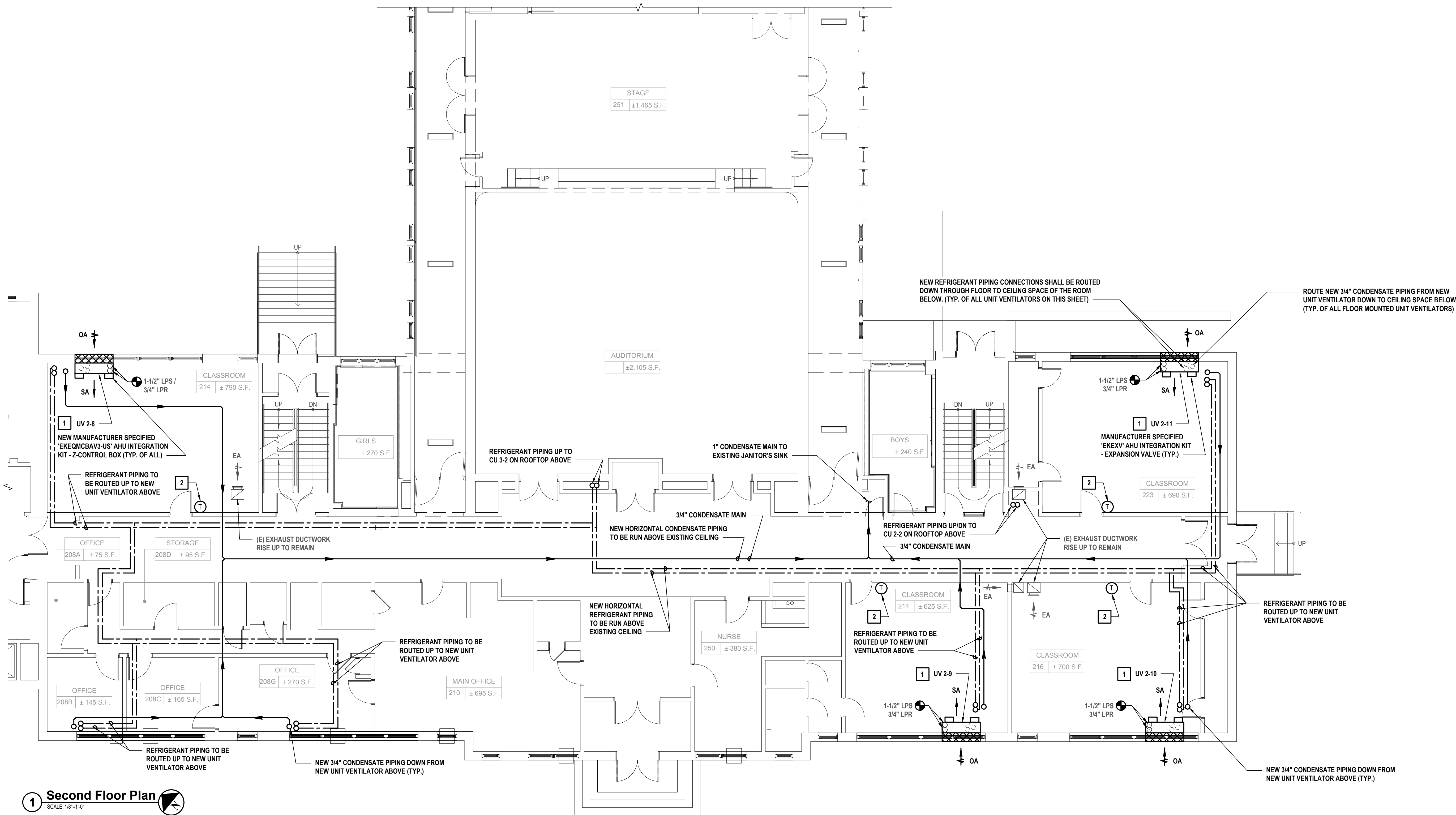
Key Plan



Key Plan



X:\PSPD\White Plains Central School District - 10891\WPSD 2113 - GHV UV Replacements\02-BIM\CADD\Construction\Building - 111B.00 MECHANICAL SECOND FLOOR PLAN PART B.dwg Last Modified: Jul 14, 2023 - 4:20pm Plotted on: Feb 03, 2023 - 3:58pm By: jayashah



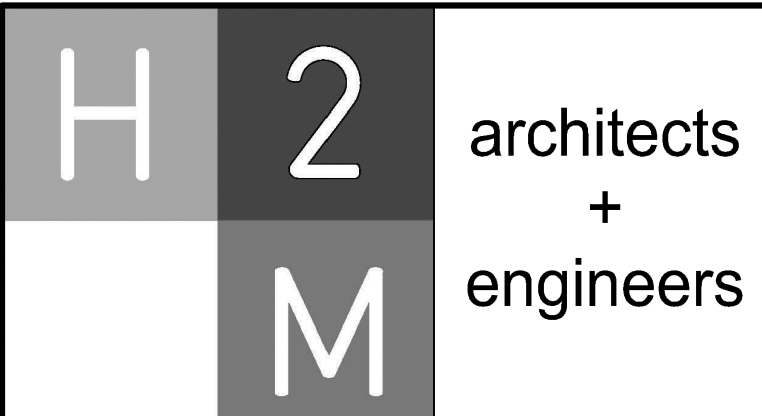
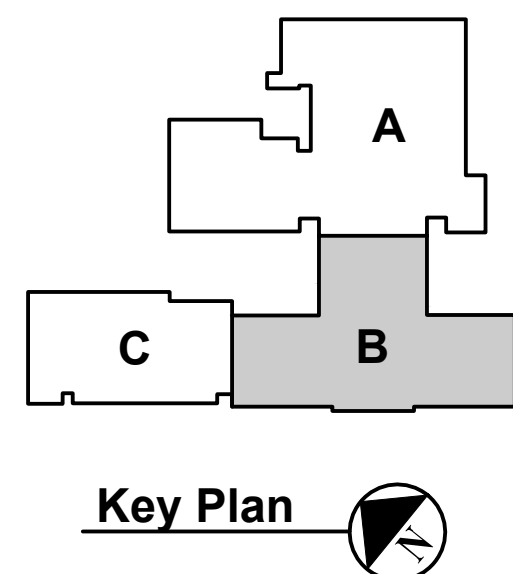
1 Second Floor Plan
SCALE: 1/8"=1'-0"

GENERAL NOTES:

- EXISTING CONDITIONS ARE BASED ON A LIMITED FIELD SURVEY. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS FOR ALL CONFLICTS AND SHALL ALERT ENGINEER PRIOR TO COMMENCEMENT OF NEW WORK AND PURCHASE OF EQUIPMENT.
- DO NOT SCALE DRAWINGS. LINE WORK SHOWN IS SCHEMATIC. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS BASED ON DESIGN INTENT, SURVEY OF EXISTING CONDITIONS, AND COORDINATION WITH OTHER TRADES.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S REQUIRED MAINTENANCE CLEARANCES AND PREVAILING CODE.
- CONTRACTOR TO COORDINATE THE FINAL PLACEMENT OF ALL TEMPERATURE SENSORS AND NEW MANUFACTURER'S Z-CONTROL BOXES WITH THE DISTRICT AND/OR MANUFACTURER.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALTERATIONS TO EXISTING CASEWORK TO PROPERLY HIDE REFRIGERANT PIPING, EXPANSION VALVES, AND MAINTAIN EXISTING AESTHETIC.
- CONTRACTOR TO IDENTIFY BEST REQUIRED QUANTITIES OF DIFFERENT STEAM / DX COILS CONFIGURATIONS (LEFT / RIGHT) FOR ALL UNIT VENTILATORS PRIOR TO PURCHASE AND INSTALLATION OF NEW UNIT VENTILATORS. QUANTITIES SHOULD BE BASED ON EXISTING FIELD CONDITIONS, NEW WORK, AND LIMITING ALTERATIONS TO EXISTING CASEWORK.
- CONTRACTOR SHALL ROUTE ALL HORIZONTAL REFRIGERANT PIPING IN CEILING SPACES.

KEYED CONSTRUCTION NOTES:

- PROVIDE AND INSTALL NEW VERTICAL FLOOR-MOUNTED UNIT VENTILATOR (UV) WITH NEW DDC CONTROLS. NEW DDC THERMOSTAT, LOUVER, AND WALL SLEEVE. RECONNECT WITH NEW HYDRONIC PIPING (SEE UNIT VENTILATOR PIPING DETAIL) INCLUDING NEW DDC CONTROL VALVE, ETC. RECONNECT ANY FIN-TUBE RADIATION (FT) PIPING BRANCHES OR CONTROL INTERLOCKS (FT CONTROL VALVE AND SHARED UV THERMOSTAT). SEE ARCHITECTURAL DRAWINGS FOR MODIFICATIONS OR REPLACEMENTS OF EXISTING SHELVING UNITS.
- PROVIDE AND INSTALL NEW MANUFACTURER SPECIFIED LOW VOLTAGE THERMOSTAT/CONTROLLER.



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STATE OF NEW YORK
SEAL OF THE STATE OF NEW YORK
JULIUS ROSENBLUTH
REGISTERED PROFESSIONAL ENGINEER
099167

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DAK	DAK	BMC	REVIEWER
PROJECT NO.:	DATE:	SCALE:	
WPSD2113	FEBRUARY 2023	AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the
George Washington
Elementary School

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

**MECHANICAL SECOND
FLOOR PLAN PART B**

DRAWING No.

M 111B.00

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Purchase, NY 10577
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CONSULTANTS:

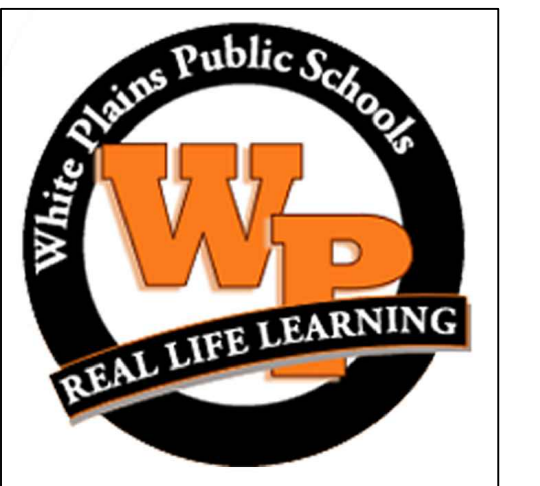
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PROJECT No.: WPSD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School



**100 Orchard Street
White Plains NY, 10604**

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CONTRACT

CONTRACT H HEATING VENTILATION AND AIR CONDITIONING

STATUS

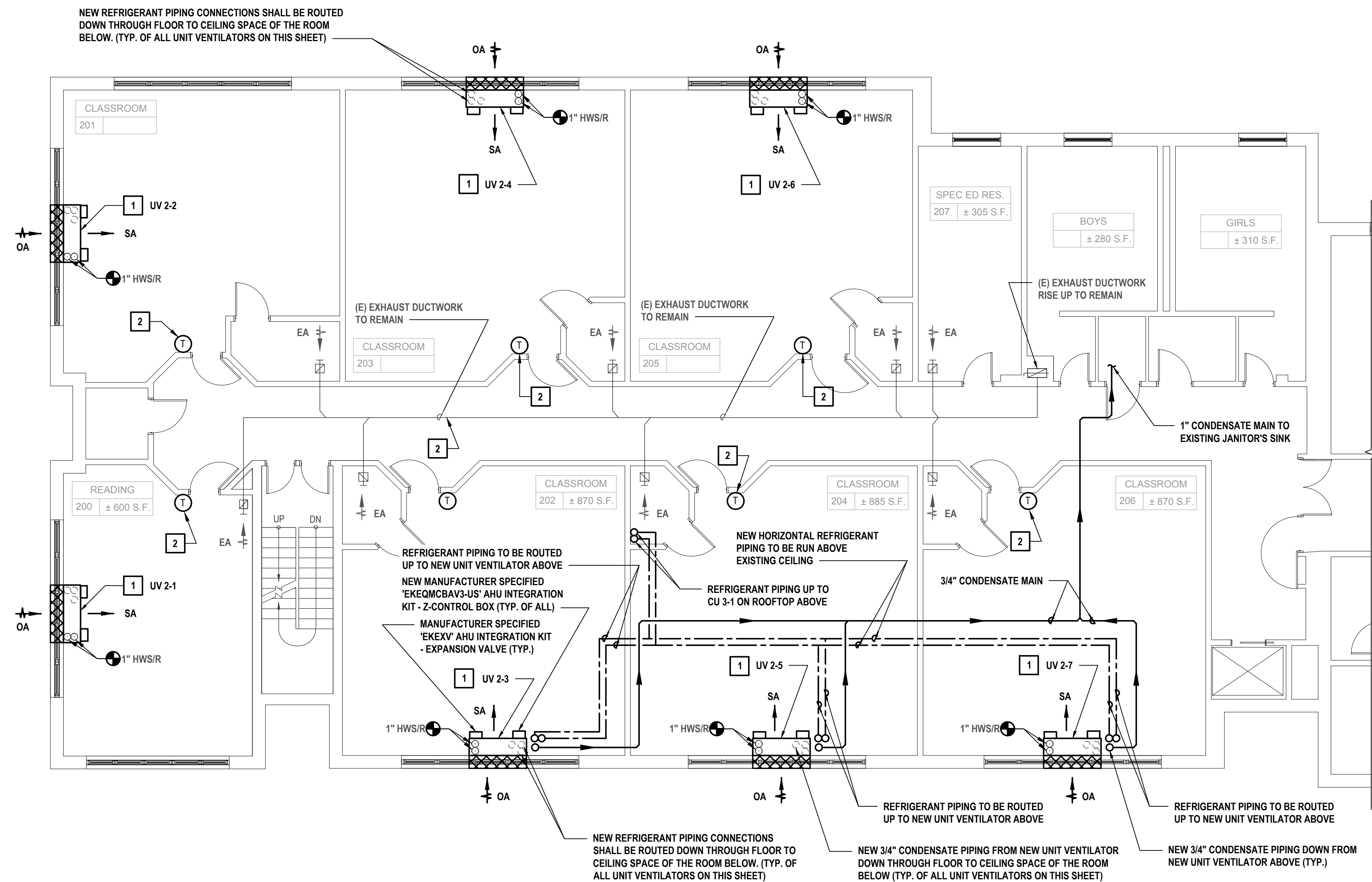
FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL SECOND FLOOR PLAN PART C

DRAWING No.

M 111C.00



1 Second Floor Plan
SCALE: 1/8"=1'-0"

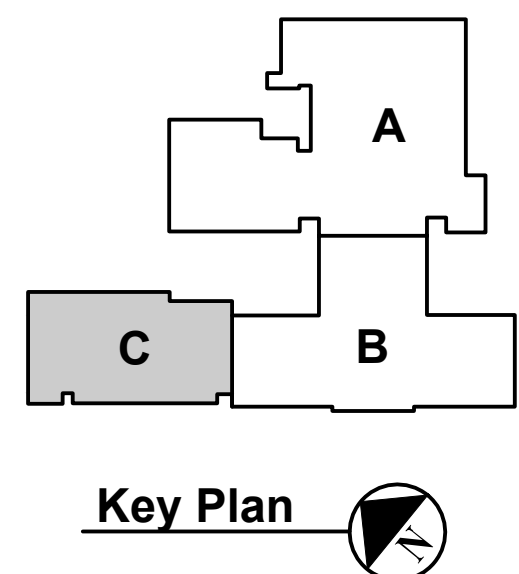
1 SCALE: 1/8"=1'-0"

GENERAL NOTES:

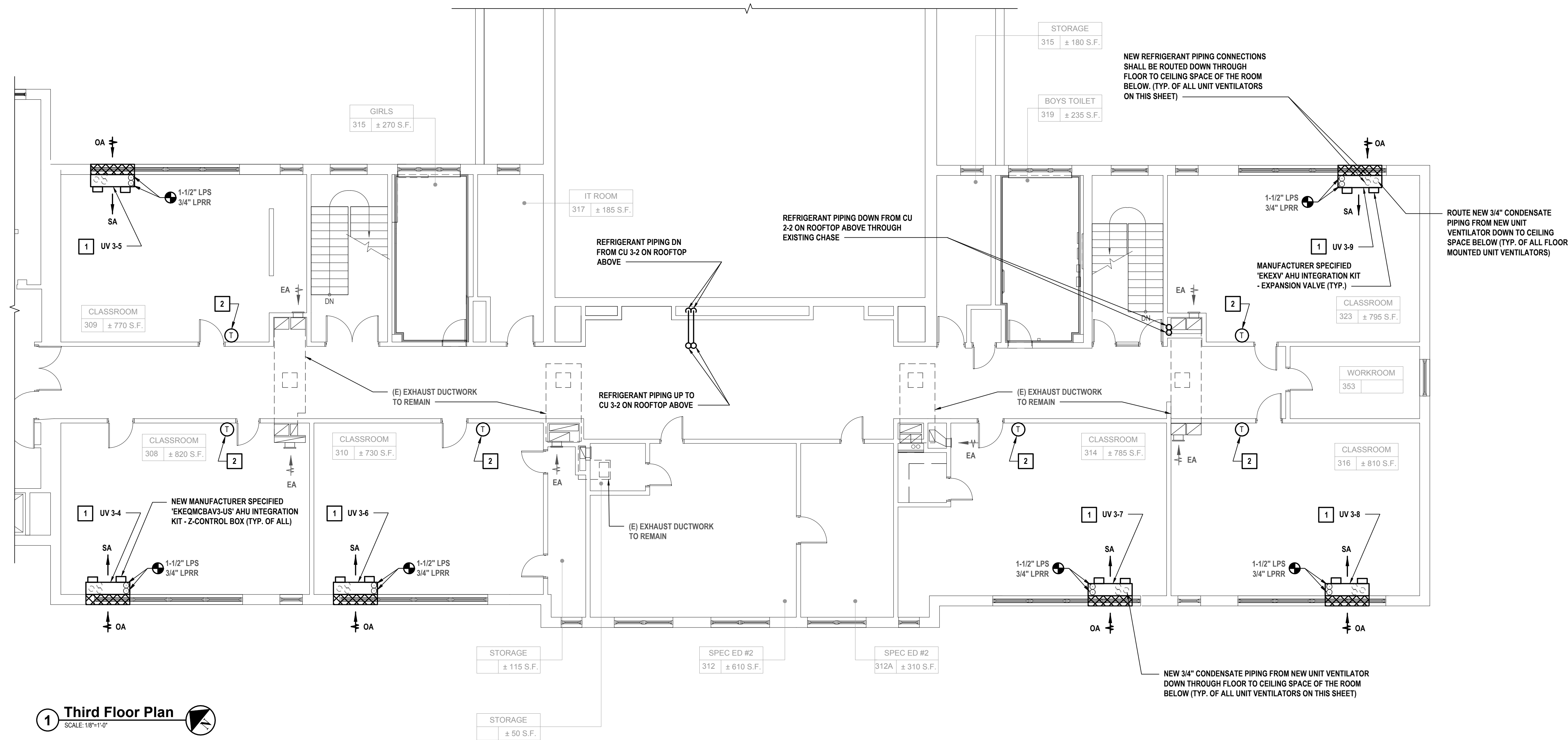
1. EXISTING CONDITIONS ARE BASED ON A LIMITED FIELD SURVEY AND EXISTING DRAWINGS PROVIDED BY THE DISTRICT. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS FOR ALL CONFLICTS AND SHALL ALERT ENGINEER PRIOR TO COMMENCEMENT OF NEW WORK AND PURCHASE OF EQUIPMENT.
2. DO NOT SCALE DRAWINGS. LINE WORK SHOWN IS SCHEMATIC. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS BASED ON DESIGN INTENT, SURVEY OF EXISTING CONDITIONS, AND COORDINATION WITH OTHER TRADES.
3. EXISTING UV RELIEF AIR PATH IS THROUGH CLASSROOM EXHAUST FANS.
4. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S REQUIRED MAINTENANCE CLEARANCES AND PREVAILING CODE.
5. PROVIDE AND INSTALL FILLER PANELS AS REQUIRED TO FILL GAPS AND FIT NEW UNIT VENTILATOR WITH EXISTING CASEWORK (IF REQUIRED).
6. CONTRACTOR TO COORDINATE THE PLACEMENT OF ALL TEMPERATURE SENSORS WITH THE DISTRICT.
7. PROVIDE AND INSTALL PIPE COVERINGS WHEREVER PIPING IS TO BE PLACED IN A VISIBLE AREA.
8. INTEGRATE NEW UNIT VENTILATORS' OUTDOOR AIR CONTROLS WITH EXISTING BUILDING TIMECLOCK.
9. INSTALL ALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

KEYED NOTES:

- 1 PROVIDE AND INSTALL PIPING, FITTINGS, VALVES, ETC AS REQUIRED TO COMPLETE RECONNECTION TO EXISTING LOOP. INCORPORATE NEW UNIT VENTILATOR HEATING COIL IN NEW HYDRONIC LOOP. COORDINATE WORK WITH CASEWORK RENOVATIONS.
- 2 PROVIDE AND INSTALL MANUFACTURER SPECIFIED LOW VOLTAGE WALL MOUNTED THERMOSTATS SERVING NEW UNIT VENTILATOR.



X:\PSP\White Plains Central School District - 10851\WPSD 213 - GHV UV Replacements\112B.00 MECHANICAL THIRD FLOOR PLAN PART B.dwg User: jason.madden, 1/14/2023, 4:15pm Plotted on: Feb 03, 2023, 5:59pm By: jason.madden



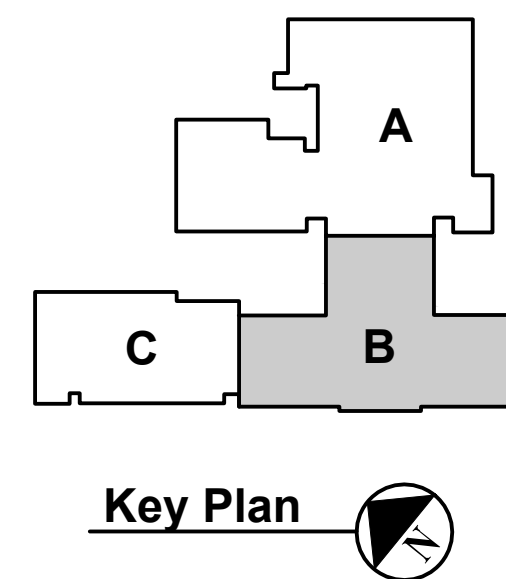
1 Third Floor Plan
SCALE: 1/8"=1'-0"

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KEYED CONSTRUCTION NOTES:

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- PROVIDE AND INSTALL NEW MANUFACTURER SPECIFIED LOW VOLTAGE THERMOSTAT/CONTROLLER.



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PROJECT NO: WPSD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

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White Plains City School District

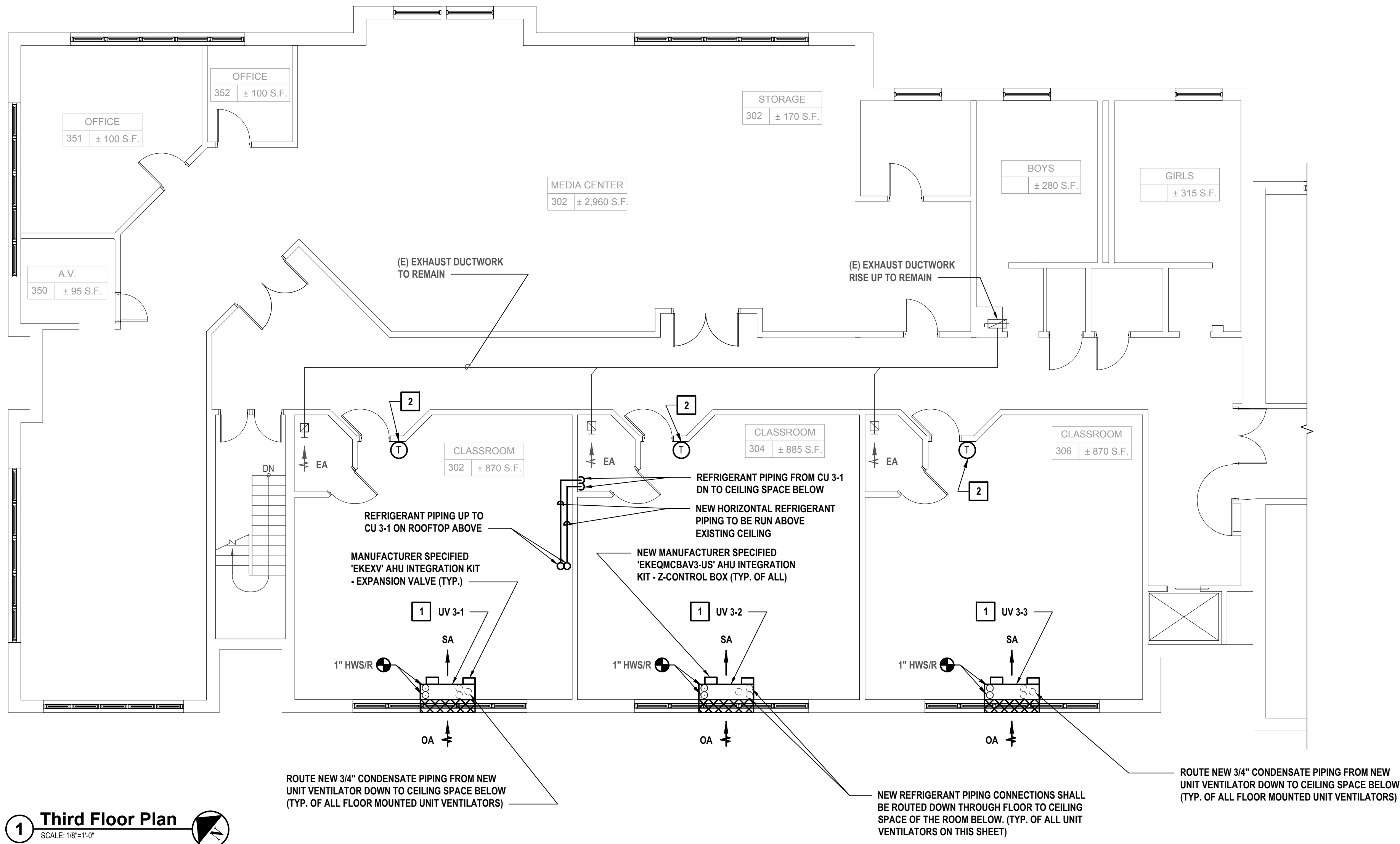
UV Replacements at the
George Washington
Elementary School

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT	CONTRACT H HEATING VENTILATION AND AIR CONDITIONING
STATUS	FINAL BID DOCUMENT
SHEET TITLE	MECHANICAL THIRD FLOOR PLAN PART B
DRAWING No.	M 112B.00

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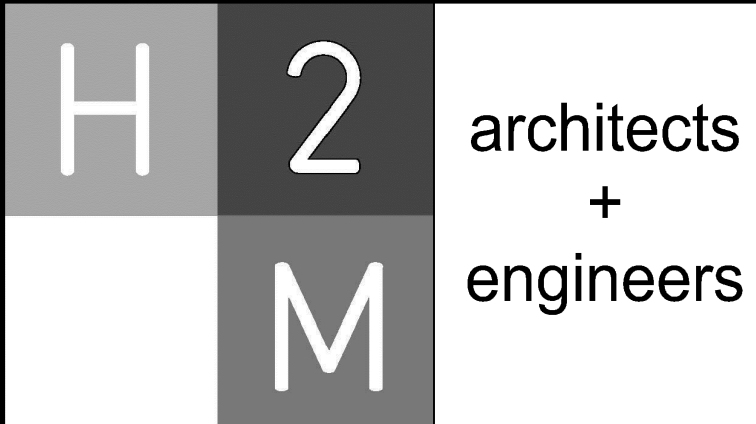
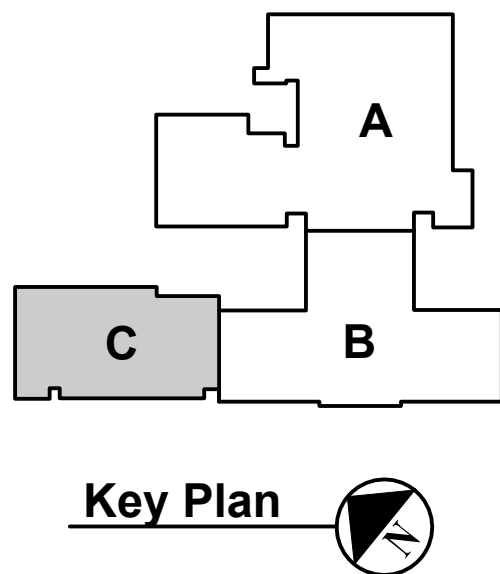


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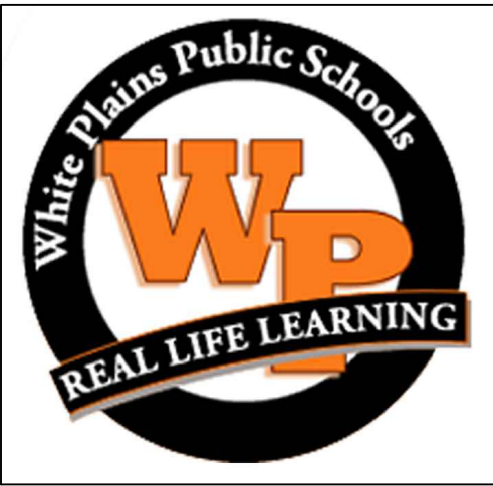
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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO.: WPSP2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

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**White Plains City
School District**

**UV Replacements at the
George Washington
Elementary School**



100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

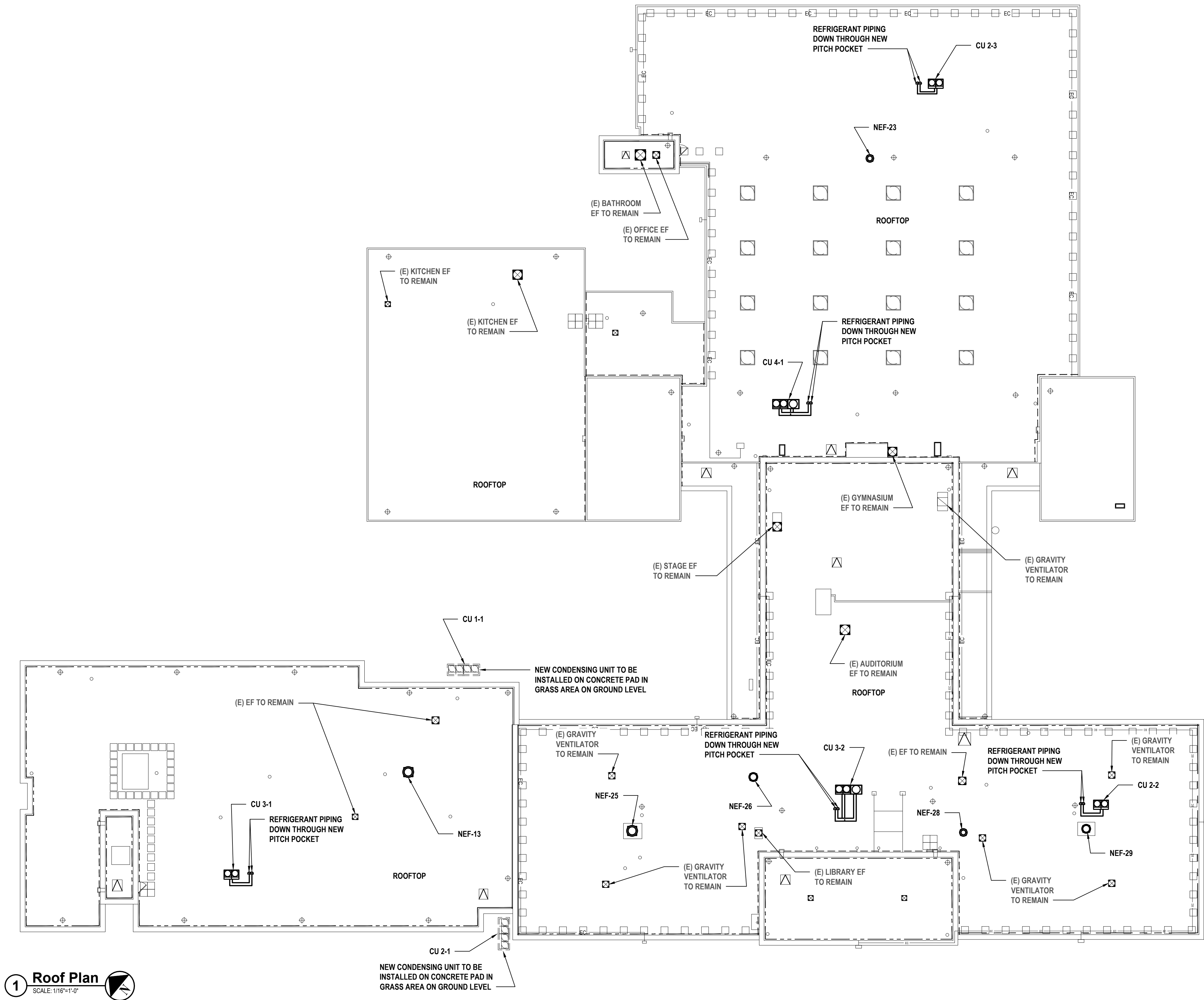
SHEET TITLE

**MECHANICAL THIRD FLOOR
PLAN PART C**

DRAWING No.

M 112C.00

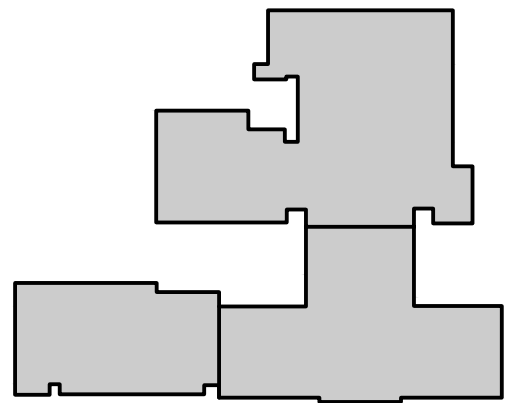
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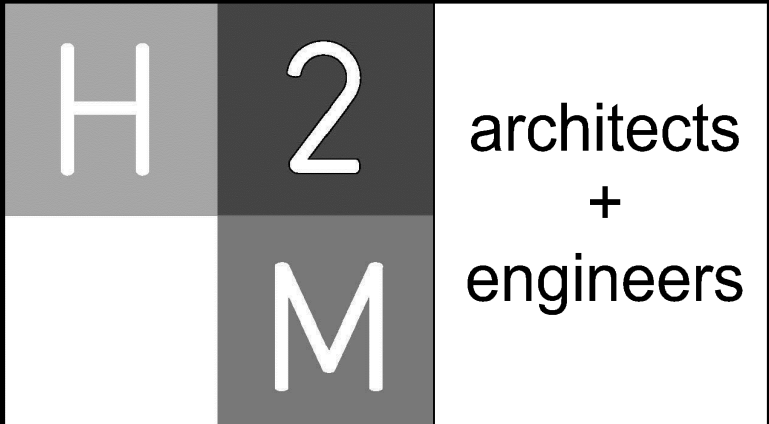
1 Roof Plan
SCALE: 1/16"=1'-0"

GENERAL NOTES:

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- CONTRACTOR SHALL PROVIDE AND INSTALL NEW ROOFTOP EQUIPMENT IN COMPLIANCE WITH MANUFACTURER'S AIRFLOW REQUIREMENTS, MAINTENANCE CLEARANCES, AND APPLICABLE MECHANICAL CODE CLEARANCE REQUIREMENTS.
- INSTALL NEW ROOFTOP EQUIPMENT CLEAR OF ANY EXISTING ROOFTOP WALKWAY PADS.
- INSTALL NEW ROOFTOP EQUIPMENT A MINIMUM OF 10'-0" FROM LEADING EDGE.
- INSTALL NEW VRV CONDENSING UNITS ON 18" HIGH RAILS.



Key Plan



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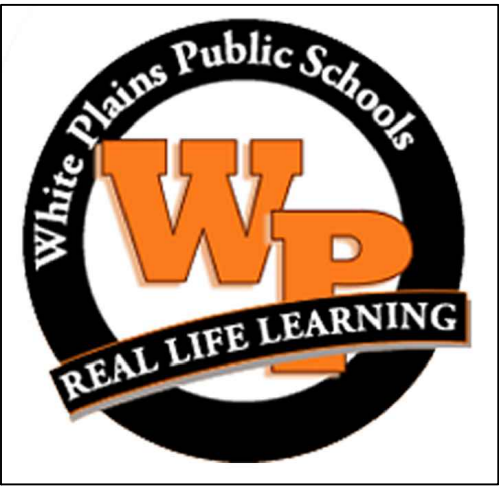


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PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the
George Washington
Elementary School



100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

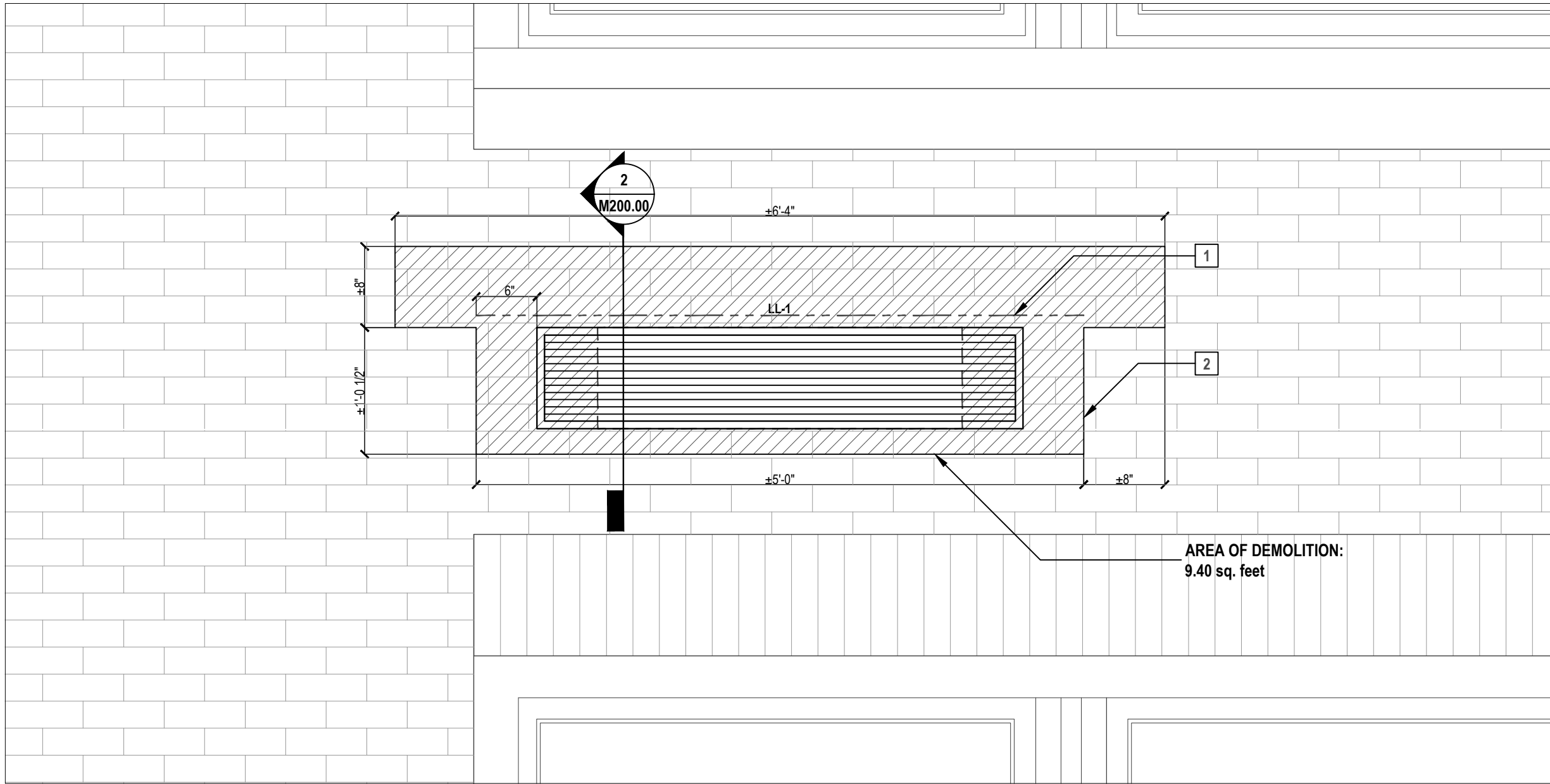
SHEET TITLE

MECHANICAL ROOF PLAN

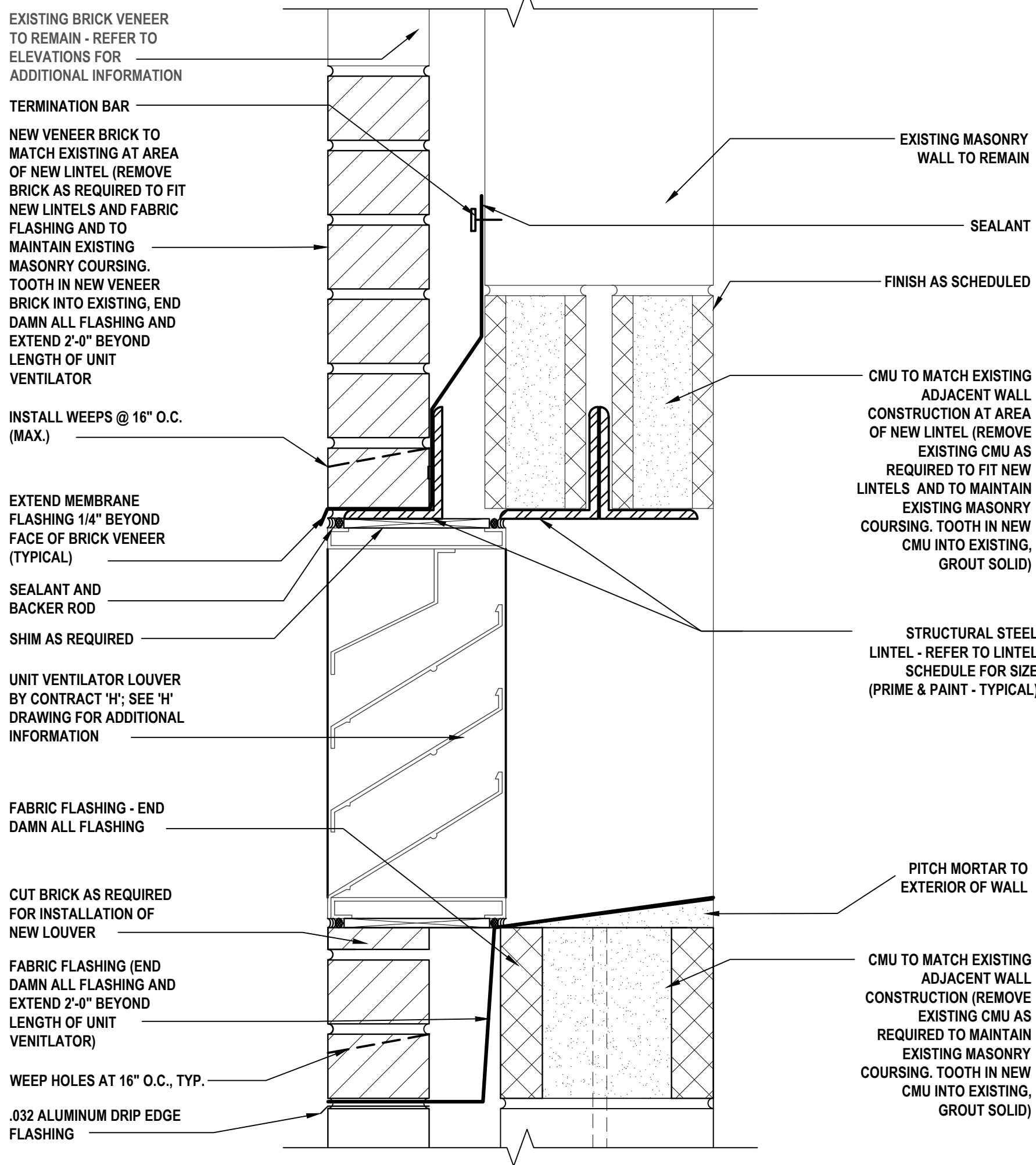
DRAWING No.

M 140.00

X:\PSD\White Plains Central School District - 10851\WPSD 2113 - GH\13 Replacements\102-BIM\CADD\Construction\Building - 10202.00 ELEVATIONS AND DETAILS.dwg User: Modifics Oct 12 2022 5:10pm Plotted on Feb 03, 2023 6:00pm By: bcastelli



1 TYPICAL ELEVATION
SCALE: 1"=1'-0"



2 Detail at Unit Ventilator Lintel
SCALE: 3"=1'-0"

LEGEND

- BRICK TO BE DEMOLISHED
- EXISTING LOUVER TO BE DEMOLISHED
- LINTEL TO BE INSTALLED

KEY NOTES

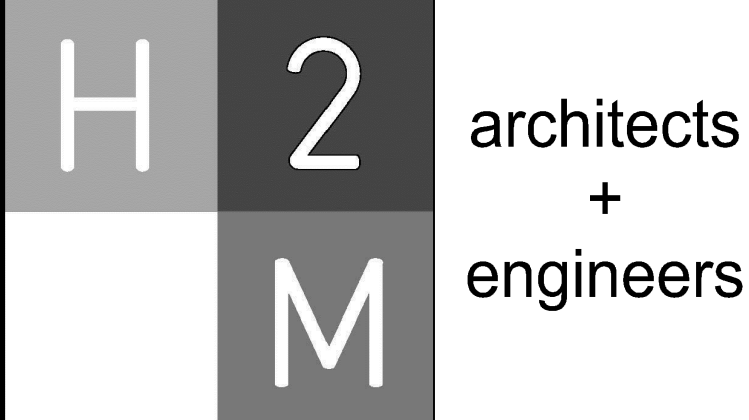
- 1** CONTRACTOR TO PROVIDE AND INSTALL NEW STEEL HOT DIPPED GALVANIZED LINTEL - REFER TO DETAIL 2 AND LINTEL SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
- 2** PROVIDE AND INSTALL NEW BRICK MASONRY THROUGHOUT AREA INDICATED. NEW BRICK MASONRY TO MATCH EXISTING COLOR, FINISH, COURSING AND PATTERN IN COMPLETELY FILLED BED, ENDS AND HEAD OF MORTAR JOINTS. REFER TO DETAIL 2 ON THIS SHEET FOR ADDITIONAL INFORMATION.

LINTEL SCHEDULE

MARK	SIZE	DETAIL	COMMENTS
LL-1	(2) L5 x 3 1/2 x 5/16", L4 X 3 1/2 x 5/16 W/PL 1/4" x 13 1/2" x M.O.		<ul style="list-style-type: none">USE FOR LINTELS UP TO 6'-6" MAX. IN LENGTHNOTES 1-7

LINTEL SCHEDULE NOTES

- LOOSE LINTELS SHALL REPLACE EXISTING AS INDICATED ON DRAWINGS. VERIFY SIZE OF EXISTING MASONRY OPENING IN FIELD PRIOR TO START OF FABRICATION OR INSTALLATION.
- LOOSE LINTEL LENGTHS TO BE M.O. $\pm 1'-4"$ (TO PROVIDE MIN. 8" BEARING AT EACH END).
- LINTELS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION, PREPARE, PRIME AND PAINT.
- DOUBLE ANGLE SECTIONS LOCATED DIRECTLY BELOW 8" CMU SHALL BE WELDED TOGETHER BACK-BACK.
- WELD VERTICAL REINFORCEMENT INTERRUPTED BY MASONRY OPENING TO TOP OF THE STEEL LINTELS, TYPICAL.
- SEE FLOOR PLAN AND ELEVATIONS FOR MASONRY LAYOUT AND LOCATIONS OF LINTELS.
- SCRAPE, PREPARE, PRIME & PAINT ALL EXISTING EXPOSED SURFACES OF ALL LOOSE LINTELS.



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PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

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66-22-00-01-0-009-017

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

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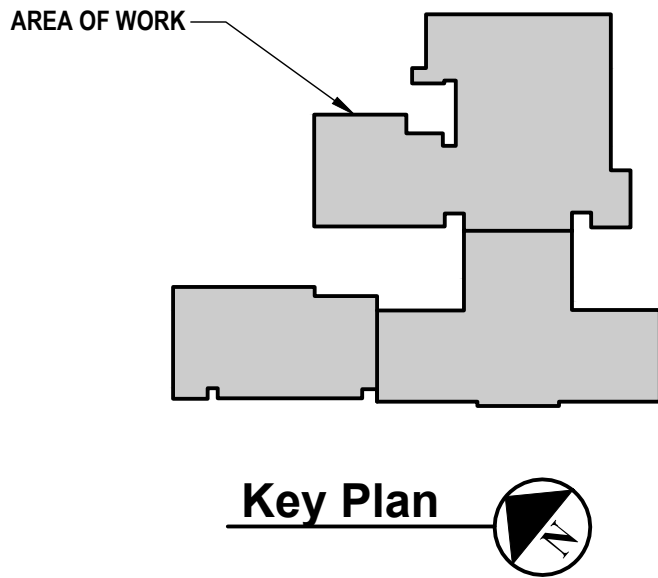
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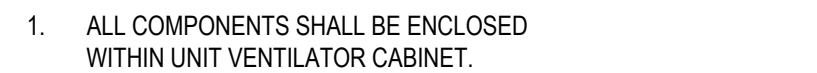
SHEET TITLE

ELEVATIONS AND DETAILS

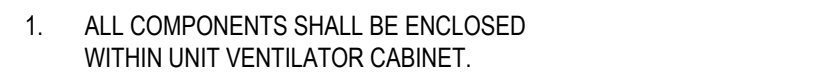
DRAWING No.

M 200.00

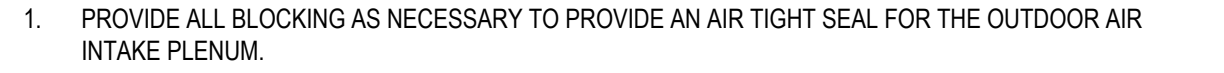




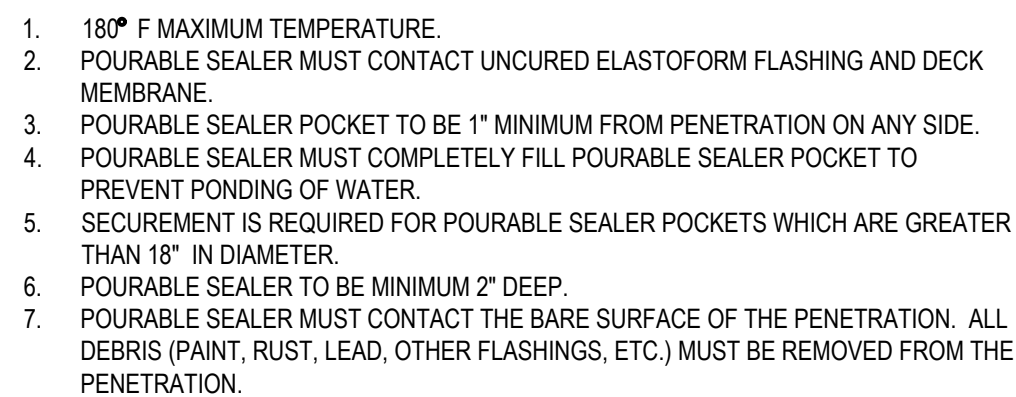
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(2)



③



(4)



X:\PSPD\White Plains Central School District - 10081\WPSD 2113 - G01 UV Replacements\02-BIM\CADD\CondensationBuilding - 114600.00_MECHANICAL_SCHEDULES.dwg, Last Modified: Feb 03, 2023, 5:49pm By: bscabali

UNIT VENTILATORS

EQUIPMENT NO.	LOCATION	ASSOCIATED CONDENSER	PERFORMANCE/ CONSTRUCTION REQUIREMENTS									
			SUPPLY FAN			OUTSIDE AIR FLOW (CFM)	COOLING COIL				FILTERS	
			AIR FLOW / FAN SPEED (CFM)	MOTOR POWER (HP)	MOTOR TYPE		TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	REFRIGERANT TYPE	AIR DATA		TYPE
										EAT DB/WB (°F)	LAT DB/WB (°F)	
UV-1-1, 1-4, 1-6	-	CU-1-1	1000	0.333	ECM- VARIABLE	SEE VENT INDEX	33.2	24.9	R-410A	80 / 67	57.1 / 56.3	1" THROWAWAY
UV-1-2, 1-3, 1-5, 1-7	-	CU-1-1	1250	0.333	ECM - VARIABLE	SEE VENT INDEX	43.4	32.6	R-410A	80 / 67	55.6 / 55.5	1" THROWAWAY
UV-2-1, 2-4, 2-6	-	CU-2-1	1000	0.333	ECM - VARIABLE	SEE VENT INDEX	33.2	24.9	R-410A	80 / 67	57.1 / 56.3	1" THROWAWAY
UV-2-2, 2-3, 2-5, 2-7	-	CU-2-1	1250	0.333	ECM - VARIABLE	SEE VENT INDEX	43.4	32.6	R-410A	80 / 67	55.6 / 55.5	1" THROWAWAY
UV-2-8, 2-9, 2-10, 2-11	-	CU-2-2	700	0.333	ECM - VARIABLE	SEE VENT INDEX	22.9	17.2	R-410A	80 / 67	58.8 / 57.5	1" THROWAWAY
UV-2-12, 2-13, 2-14, 2-15	-	CU-2-3	1000	0.333	ECM - VARIABLE	SEE VENT INDEX	33.2	24.9	R-410A	80 / 67	57.1 / 56.3	1" THROWAWAY
UV-3-1, 3-2, 3-3	-	CU-3-1	1250	0.333	ECM - VARIABLE	SEE VENT INDEX	43.4	32.6	R-410A	80 / 67	55.6 / 55.5	1" THROWAWAY
UV-3-4, 3-5, 3-6, 3-7, 3-8, 3-9	-	CU-3-2	1000	0.333	ECM - VARIABLE	SEE VENT INDEX	33.2	24.9	R-410A	80 / 67	57.1 / 56.3	1" THROWAWAY
UV-4	-	CU-4-1	750	0.333	ECM - VARIABLE	SEE VENT INDEX	22.9	17.2	R-410A	80 / 67	58.8 / 57.5	1" THROWAWAY
UV-5	-	CU-4-1	1000	0.333	ECM - VARIABLE	SEE VENT INDEX	33.2	24.9	R-410A	80 / 67	57.1 / 56.3	1" THROWAWAY
UV-6, 7	-	CU-4-1	1250	0.333	ECM - VARIABLE	SEE VENT INDEX	43.4	32.6	R-410A	80 / 67	55.6 / 55.5	1" THROWAWAY
UV-8	-	CU-4-1	1250	0.333	ECM - VARIABLE	SEE VENT INDEX	43.4	32.6	R-410A	80 / 67	55.6 / 55.5	1" THROWAWAY

UNIT VENTILATORS (CONTINUED)

EQUIPMENT NO.	PERFORMANCE/ CONSTRUCTION REQUIREMENTS				BASIS OF DESIGN INFORMATION						REMARKS
	HEATING COIL				MNF	MODEL NO.	NOMINAL DIMENSIONS LxWxH (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA		
	TOTAL CAPACITY (MBH)	AIR DATA		HEATING MEDIUM							
		EAT (°F)	LAT (°F)	STEAM COIL							
				NO. ROWS					VOLTS/PHASE	MCA / MOCp (AMPS)	
UV-1-1, 1-4, 1-6	48.36	70	114.6	1	DAIKIN	UAVV9V10	74 x 22 x 31	445	115 / 1	6.3 / 15	1-13
UV-1-2, 1-3, 1-5, 1-7	57.0	70	112.7	1	DAIKIN	UAVV9V13	86 x 22 x 31	525	115 / 1	6.3 / 15	1-13
UV-2-1, 2-4, 2-6	48.36	70	114.6	1	DAIKIN	UAVV9V10	74 x 22 x 31	445	208 / 3	30.6 / 45	1-13
UV-2-2, 2-3, 2-5, 2-7	57.0	70	112.7	1	DAIKIN	UAVV9V13	86 x 22 x 31	525	208 / 3	30.6 / 45	1-13
UV-2-8, 2-9, 2-10, 2-11	37.5	70	90.3	1	DAIKIN	UAVV9V07	62 x 22 x 31	370	115 / 1	6.3 / 15	1-13
UV-2-12, 2-13, 2-14, 2-15	62.2	70	91.1	1	DAIKIN	UAVV9V10	74 x 22 x 31	445	115 / 1	6.3 / 15	1-13
UV-3-1, 3-2, 3-3	70.9	70	89.8	1	DAIKIN	UAVV9V13	86 x 22 x 31	525	115 / 1	6.3 / 15	1-13
UV-3-4, 3-5, 3-6, 3-7, 3-8, 3-9	60.2	70	94.7	1	DAIKIN	UAVV9V10	74 x 22 x 31	445	115 / 1	6.3 / 15	1-13
UV-4	40.1	70	84.2	1	DAIKIN	UAVV9V07	62 x 22 x 31	370	115 / 1	6.3 / 15	1-13
UV-5	62.4	70	90.8	1	DAIKIN	UAVV9V10	74 x 22 x 31	445	115 / 1	6.3 / 15	1-13
UV-6, 7	76.3	70	80.7	1	DAIKIN	UAVV9V13	86 x 22 x 31	525	115 / 1	6.3 / 15	1-13
UV-8	76.3	70	80.7	1	DAIKIN	UAVV9V13	86 x 22 x 31	525	115 / 1	6.3 / 15	1-13

- NOTES:
1. PROVIDE FIELD INSTALLED UNITARY CONTROLLER SHALL HAVE OUTPUTS/INPUTS FOR REMOTE FAN CONTROL AND INTERLOCKS
2. ARRANGEMENT: VERTICAL, FLOOR MOUNTED, BOTTOM FRONT RETURN AIR, REAR OUTSIDE AIR
3. PROVIDE ACTUATORS, TEMPERATURE SENSORS, AND FACTORY INSTALLED TERMINAL STRIP
4. PROVIDE FIELD INSTALLED UNITARY CONTROLLER TO MATCH EXISTING CONTROL PLATFORM
5. FACTORY INSTALLED TRANSFORMER TO POWER Z-BOX CONTROLLER
6. PROVIDE NEW MANUFACTURER SPECIFIED LOUVER.
7. UNIT VENTILATORS SHALL BE "DDC READY"
8. PROVIDE NEW WALL SLEEVE (IF REQUIRED)
9. SINGLE-ROW HEATING COIL (STEAM)
10. LOW VOLT. REMOTE CONTROLLER
11. POWER DISCONNECT SWITCH
12. BACNET COMPATIBLE
13. DX-COIL

EXHAUST FAN

EQUIPMENT NO.	LOCATION	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS				BASIS OF DESIGN INFORMATION					REMARKS
			CFM	EXT S. P. (IN. W.C.)	FAN/MOTOR DUTY POINT RPM	BHP	MNF	MODEL NO.	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA		
										VOLTS/PHASE	MOTOR HP	
NEF-13	ROOFTOP	CLASSROOM EXHAUST	5325	0.650	1127	1.73	GREENHECK	G-200-VG	250	208 / 3	2	1-5
NEF-23	ROOFTOP	CLASSROOM EXHAUST	1200	0.600	1312	0.22	GREENHECK	G-120-VG	110	208 / 1	1/2	1-5
NEF-25	ROOFTOP	CLASSROOM EXHAUST	4275	0.650	971	1.11	GREENHECK	G-200-VG	250	208 / 3	2	1-5
NEF-26	ROOFTOP	CLASSROOM EXHAUST	2100	0.675	1047	0.45	GREENHECK	G-160-VG	151	208 / 3	1	1-5
NEF-28	ROOFTOP	CLASSROOM EXHAUST	900	0.650	1482	0.19	GREENHECK	G-100-VG	101	115 / 1	1/4	1-5
NEF-29	ROOFTOP	CLASSROOM EXHAUST	720	0.625	1145	0.31	GREENHECK	G-140-VG	149	208 / 3	1	1-5

- NOTES:
1. MOTOR SPEED CONTROLLER TO BE INTEGRAL / MOTOR MOUNTED TO BE USED FOR MANUAL SPEED ADJUSTMENT FOR BALANCING.
2. CURB ADAPTER (VERIFY SIZE IN FIELD) AND CURB SEAL
3. FACTORY PROVIDED DISCONNECT SWITCH
4. GALVANIZED MESH
5. HINGED BASE

AIR COOLED CONDENSING UNITS

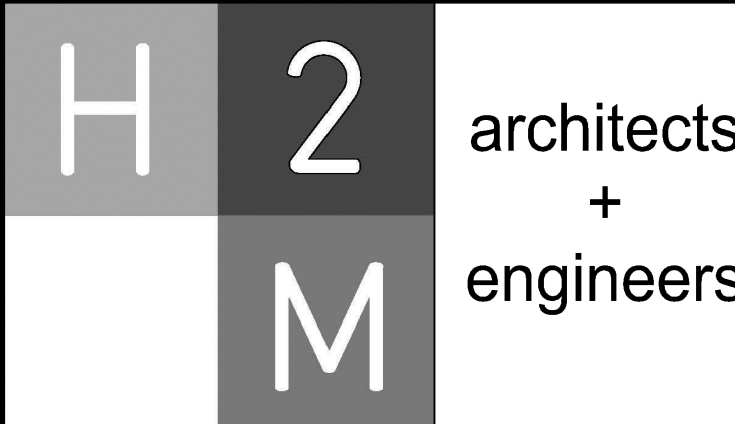
EQUIPMENT NO.	LOCATION	TOTAL TONNAGE	NUMBER OF MODULES	PERFORMANCE/ CONSTRUCTION REQUIREMENTS						
				COOLING AMBIENT EAT DB/WB (°F)	COOLING OPERATION TEMPERATURE RANGE (°F DB)	NOMINAL COOLING CAPACITY (MBH)	REFRIGERANT TYPE	AIRFLOW RATE (CFM) (MOD1, MOD2)	SOUND PRESSURE (dBA)	EFFICIENCY RATING (EER / IEER)
CU-1-1	SEE PLANS	20	2	95 / 75	23 - 122	240	R-410A	6286, 6286	61	12 / 25.4
CU-2-1	SEE PLANS	20	2	95 / 75	23 - 122	240	R-410A	6286, 6286	61	12 / 25.4
CU-2-2	SEE PLANS	10	1	95 / 75	23 - 122	120	R-410A	6286	61	12 / 25.4
CU-2-3	SEE PLANS	10	1	95 / 75	23 - 122	120	R-410A	6286	61	12 / 25.4
CU-3-1	SEE PLANS	10	1	95 / 75	23 - 122	120	R-410A	6286	61	12 / 25.4
CU-3-2	SEE PLANS	16	2	95 / 75	23 - 122	192	R-410A	6286, 5544	61	12 / 25.4
CU-4-1	SEE PLANS	16	2	95 / 75	23 - 122	192	R-410A	6286, 5544	61	12 / 25.4

AIR COOLED CONDENSING UNITS (CONTINUED)

EQUIPMENT NO.	BASIS OF DESIGN INFORMATION							REMARKS
	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN.) (MOD1, MOD2)	NOMINAL OPERATING WEIGHT (LBS.) (MOD1, MOD2)	ELECTRICAL DATA			
					VOLTS/PHASE	MOD1: MCA / MOCp (AMPS)	MOD2: MCA / MOCp (AMPS)	
CU-1-1	DAIKIN	RXYQ240XATJA	49x31x67, 49x31x67	528, 528	208 / 3	36.3 / 45	36.3 / 45	1-3
CU-2-1	DAIKIN	RXYQ240XATJA	49x31x67, 49x31x67	528, 528	208 / 3	36.3 / 45	36.3 / 45	1-3
CU-2-2	DAIKIN	RXYQ120XATJA	49x31x67	528	208 / 3	36.3 / 45	-	1-3
CU-2-3	DAIKIN	RXYQ120XATJA	49x31x67	528	208 / 3	36.3 / 45	-	1-3
CU-3-1	DAIKIN	RXYQ120XATJA	49x31x67	528	208 / 3	36.3 / 45	-	1-3
CU-3-2	DAIKIN	RXYQ192XATJA	49x31x67, 37x31x67	528, 438	208 / 3	36.3 / 45	27.6 / 35	1-3
CU-4-1	DAIKIN	RXYQ192XATJA	49x31x67, 37x31x67	528, 438	208 / 3	36.3 / 45	27.6 / 35	1-3

- NOTES:
1. PROVIDE AND INSTALL MANUFACTURER'S SPECIFIED:
1.1. INTEGRATION KIT - EXPANSION VALVE(S)
1.2. 2 PIPE REFNET JOINT(S)
1.3. INTEGRATION KIT - Z-CONTROL BOX(S)

2. INSTALL UNIT ON 18" ROOF RAILS AS PER DETAILS WITH VIBRATION ISOLATION
3. WIND BAFFLE



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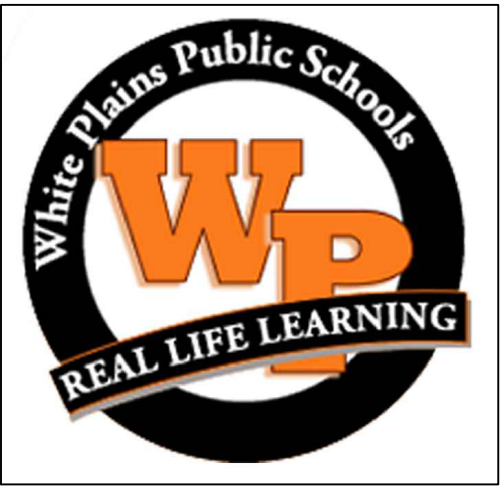


DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE:	AS SHOWN

CLIENT

White Plains City School District

UV Replacements at the
George Washington
Elementary School



100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

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SHEET TITLE

MECHANICAL SCHEDULES -
SHEET 1 OF 2

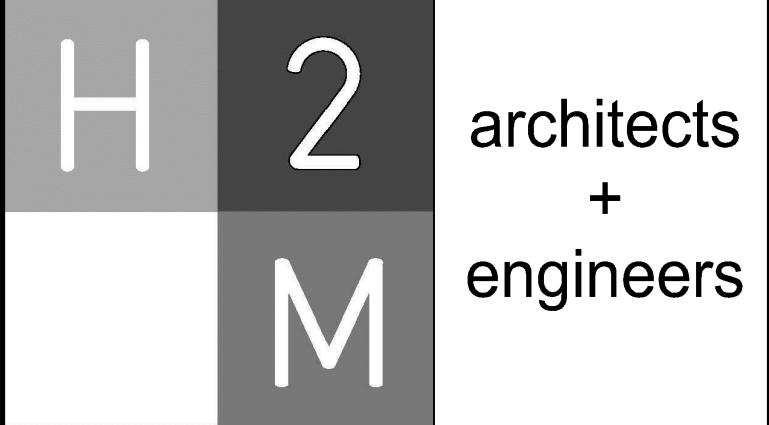
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VENTILATION INDEX BASED ON 2020 NEW YORK STATE MECHANICAL CODE

ROOM NAME	UV TAG	OCCUPANCY CLASSIFICATION	FLOOR AREA (SF)	OCCUPANCY LOAD (PERSONS/1000 SF)	NUMBER OF OCCUPANTS	OCCUPANT BASED OA RATE (CFM/OCCUPANT)	AREA BASED OUTSIDE AIR RATE (CFM/SF)	EXHAUST RATE (CFM/SF)	UNCORRECTED OA REQUIRED (CFM)	Ez EFFICIENCY FACTOR (HEATING)	CORRECTED OA [HEATING] (CFM)	EXHAUST REQUIRED (CFM)
100	1-1	CLASSROOM (5-8)	600	25	15	10	0.12	0	222	0.90	247	0
101	1-2	CLASSROOM (5-8)	820	25	21	10	0.12	0	309	0.90	343	0
102	1-3	CLASSROOM (5-8)	870	25	22	10	0.12	0	335	0.90	361	0
103	1-4	CLASSROOM (5-8)	860	25	22	10	0.12	0	324	0.90	360	0
104	1-5	CLASSROOM (5-8)	885	25	23	10	0.12	0	337	0.90	374	0
105	1-6	CLASSROOM (5-8)	875	25	22	10	0.12	0	325	0.90	361	0
106	1-7	CLASSROOM (5-8)	870	25	22	10	0.12	0	325	0.90	361	0
118	8	CLASSROOM (5-8)	1375	25	35	10	0.12	0	515	0.90	572	0
119	4	CLASSROOM (5-8)	595	25	15	10	0.12	0	222	0.90	247	0
128	5	MUSIC	880	25	22	10	0.12	0	326	0.90	362	0
200	2-1	CLASSROOM (5-8)	600	25	15	10	0.12	0	222	0.90	247	0
201	2-2	CLASSROOM (5-8)	870	25	22	10	0.12	0	325	0.90	361	0
202	2-3	CLASSROOM (5-8)	870	25	22	10	0.12	0	325	0.90	361	0
203	2-4	CLASSROOM (5-8)	870	25	22	10	0.12	0	25	0.90	361	0
204	2-5	CLASSROOM (5-8)	885	25	23	10	0.12	0	337	0.90	374	0
205	2-6	CLASSROOM (5-8)	870	25	22	10	0.12	0	325	0.90	361	0
206	2-7	CLASSROOM (5-8)	870	25	22	10	0.12	0	325	0.90	361	0
213	2-8	CLASSROOM (5-8)	790	25	20	10	0.12	0	295	0.90	328	0
214	2-9	CLASSROOM (5-8)	625	25	16	10	0.12	0	235	0.90	261	0
216	2-10	CLASSROOM (5-8)	700	25	18	10	0.12	0	264	0.90	293	0
223	2-11	CLASSROOM (5-8)	690	25	18	10	0.12	0	263	0.90	292	0
228	6	MUSIC	910	25	23	10	0.12	0	340	0.90	378	0
240	7	CLASSROOM (5-8)	815	25	21	10	0.12	0	308	0.90	342	0
242	2-12	CLASSROOM (5-8)	805	25	21	10	0.12	0	307	0.90	341	0
244	2-13	CLASSROOM (5-8)	830	25	21	10	0.12	0	310	0.90	344	0
246	2-14	CLASSROOM (5-8)	845	25	22	10	0.12	0	322	0.90	358	0
248	2-15	CLASSROOM (5-8)	840	25	21	10	0.12	0	311	0.90	346	0
302	3-1	CLASSROOM (5-8)	870	25	22	10	0.12	0	325	0.90	361	0
304	3-2	CLASSROOM (5-8)	885	25	23	10	0.12	0	337	0.90	374	0
306	3-3	CLASSROOM (5-8)	870	25	22	10	0.12	0	325	0.90	361	0
308	3-4	CLASSROOM (5-8)	820	25	21	10	0.12	0	309	0.90	343	0
309	3-5	CLASSROOM (5-8)	770	25	20	10	0.12	0	293	0.90	326	0
310	3-6	CLASSROOM (5-8)	730	25	19	10	0.12	0	278	0.90	309	0
314	3-7	CLASSROOM (5-8)	785	25	20	10	0.12	0	295	0.90	328	0
316	3-8	CLASSROOM (5-8)	810	25	21	10	0.12	0	308	0.90	342	0
323	3-9	CLASSROOM (5-8)	795	25	20	10	0.12	0	296	0.90	329	0



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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

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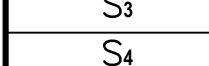
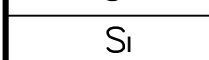
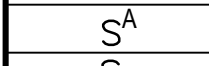
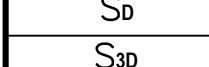
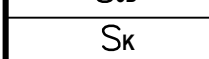
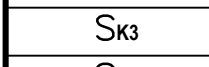
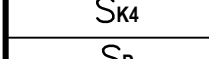
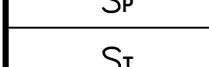
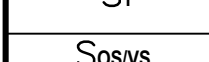
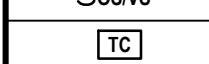


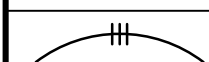

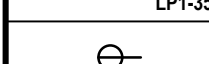
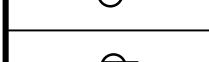
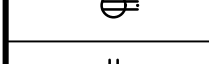

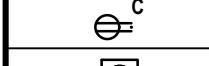
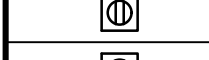


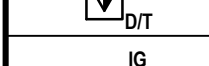
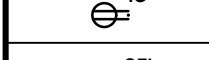
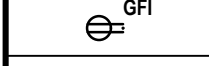
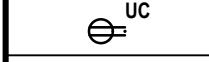
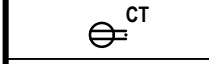
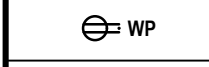
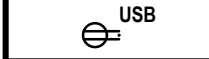
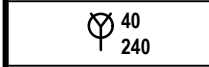
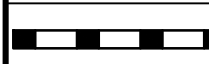
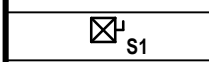
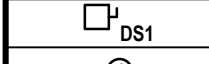
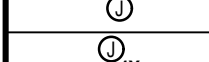
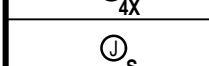
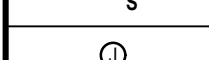
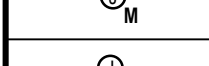
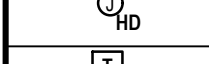
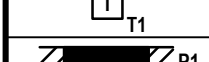

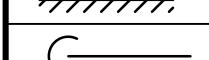
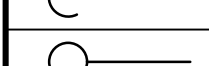

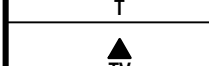
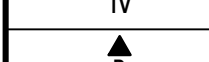
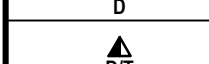
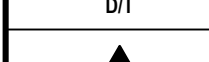
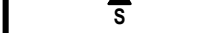

SHEET TITLE

MECHANICAL SCHEDULES -
SHEET 2 OF 2



DRAWING No.

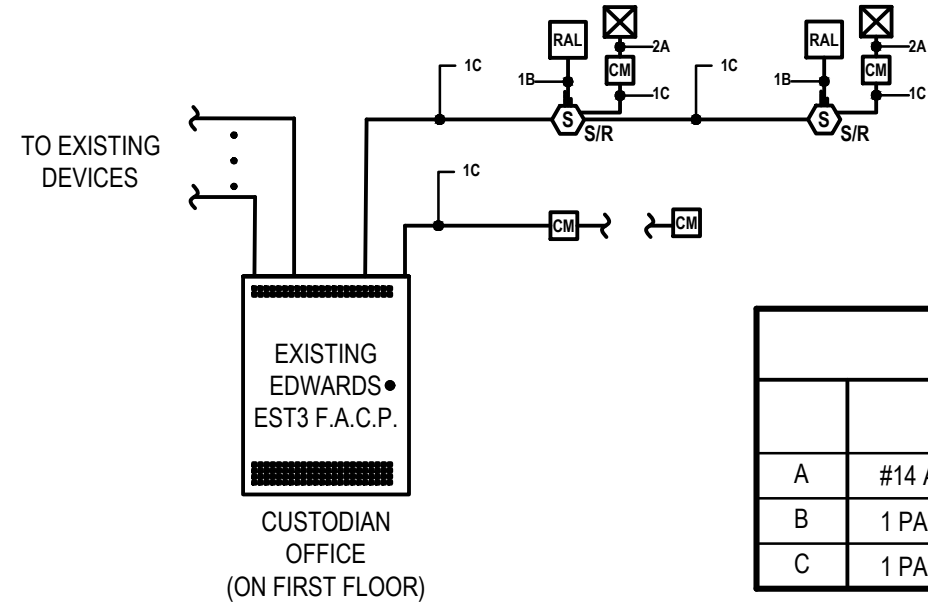
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ELECTRICAL LEGENDS

SYMBOL	DESCRIPTION	COMMENTS
	THREE - WAY SWITCH	46" AFF TO CL UON
	FOUR - WAY SWITCH	46" AFF TO CL UON
	ILLUMINATED SWITCH	46" AFF TO CL UON
	SINGLE POLE SWITCH; "A" INDICATES SWITCH CONTROL	46" AFF TO CL UON
	SINGLE POLE DIMMER SWITCH	46" AFF TO CL UON
	THREE - WAY DIMMER SWITCH	46" AFF TO CL UON
	SINGLE POLE KEYED SWITCH	46" AFF TO CL UON
	KEYED THREE - WAY SWITCH	46" AFF TO CL UON
	KEYED FOUR - WAY SWITCH	46" AFF TO CL UON
	SWITCH AND PILOT LIGHT	
	SWITCH WITH THERMAL OVERLOAD PROTECTION (CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE WITH EQUIPMENT)	
	OCCUPANCY/VACANCY SENSOR WITH MANUAL OVERRIDE, WALL MOUNT	
	TIME CLOCK	
	EMERGENCY SHUT OFF SWITCH; "E" INDICATES ELECTRICAL; "G" INDICATES GAS	
	2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING	
	3 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN OR BELOW SLAB	
	DEDICATED HOME RUN TO PANEL LP1 FOR CIRCUIT NO. 35 ONLY. 2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING	
	SIMPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
	DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
	QUAD RECEPTACLE, DOUBLE DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "C" INDICATES CEILING MOUNT.	FLUSH
	DUPLEX RECEPTACLE: 120V, 20A; FLOOR MOUNTED.	FLUSH
	QUAD RECEPTACLE: 120V, 20A; FLOOR MOUNTED.	
	DUPLEX RECEPTACLE AND DATA JACK: 120V, 20A; FLOOR MOUNTED.	
	DATA JACK; FLOOR MOUNTED.	
	ISOLATED GROUND DUPLEX RECEPTACLE. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
	DUPLEX RECEPTACLE: 120V, 20A; WITH GROUND FAULT INDICATOR. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "UC" INDICATES UNDER COUNTER	AS PER ENGINEER
	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "CT" INDICATES COUNTER TOP.	AS PER ENGINEER
	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "WP" INDICATED WEATHER PROOF.	AS PER ENGINEER
	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "USB" INDICATES INTEGRAL USB.	FLUSH
	SPECIAL PURPOSE OUTLET: 240V, 40A. VERIFY NEMA CONFIGURATION WITH EQUIPMENT MANUFACTURER.	AS PER ENGINEER
	TWISTED LOCK RECEPTACLE: 125V, 20A, 3 WIRE; UNLESS OTHERWISE NOTED.	AS PER ENGINEER
	SURFACE RACEWAY WITH 2 GROUNDED AND ISOLATED TYPE DUPLEX RECEPTACLES AND 1 DATA OUTLET PER POSITION, 18" AFF UNLESS OTHERWISE NOTED.	
	MAGNETIC STARTER "S1"; SEE STARTER SCHEDULE	
	DISCONNECTION SWITCH "DS1"; SEE DISCONNECT SWITCH SCHEDULE.	
	JUNCTION BOX.	
	NEMA 4X STAINLESS STEEL JUNCTION BOX WITH GASKET COVER.	
	JUNCTION BOX RECESSED IN WALL WITH BLANK COVER. PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING. MOUNT 18" AFF, UNLESS OTHERWISE NOTED.	
	FOR MONITOR, JUNCTION BOX RECESSED IN WALL WITH BLANK COVER. PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING.	
	FOR HAND DRYER, JUNCTION BOX RECESSED IN WALL WITH BLANK COVER. PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.	
	TRANSFORMER "T1"; SEE TRANSFORMER SCHEDULE.	
	ELECTRICAL PANEL "P1", RECESSED; SEE PANEL SCHEDULE.	
	ELECTRICAL PANEL "P1", SURFACE MOUNT; SEE PANEL SCHEDULE.	
	CONDUIT GOING UP.	
	CONDUIT GOING DOWN.	
	TELEPHONE. PROVIDE 3/4" E.C. WITH DRAG LINE TO AFC AND EMPTY J. BOX RECESSED IN WALL WITH BLANK COVER.	
	CABLE TELEVISION. PROVIDE 3/4" E.C. WITH DRAG LINE TO AFC AND EMPTY J. BOX RECESSED IN WALL WITH BLANK COVER.	
	DATA. PROVIDE 3/4" E.C. WITH DRAG LINE TO AFC AND EMPTY J. BOX RECESSED IN WALL WITH BLANK COVER.	
	COMBINED DATA AND TV. PROVIDE 3/4" E.C. WITH DRAG LINE TO AFC AND EMPTY J. BOX RECESSED IN WALL WITH BLANK COVER.	
	SECURITY CAMERA. PROVIDE 3/4" E.C. WITH DRAG LINE TO AFC AND EMPTY J. BOX RECESSED IN WALL WITH BLANK COVER.	

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION	COMMENTS
	DUCT DETECTOR WITH REMOTE ALARM LAMP; "S" DENOTES SUPPLY, "R" DENOTES RETURN.	
	CONTROL MODULE.	

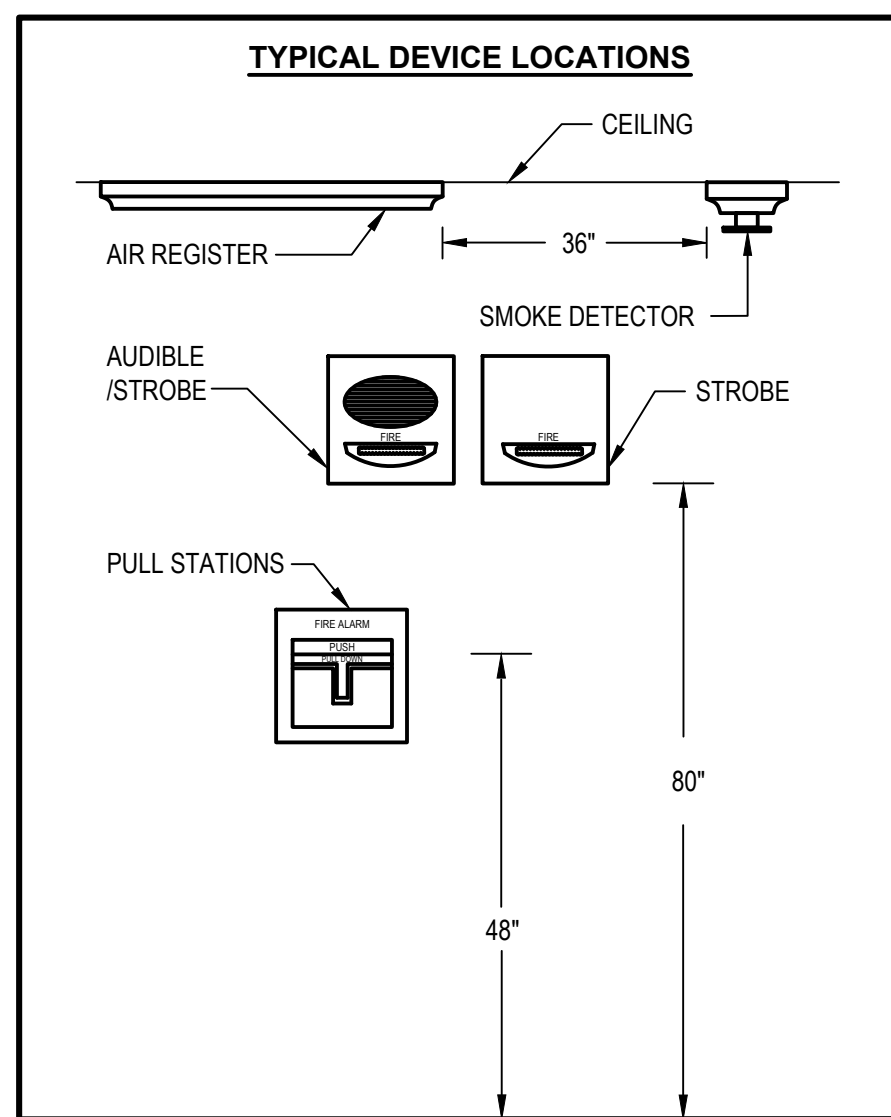


WIRE LEGEND

	WIRE DESCRIPTION	TYPE	NOTES
A	#14 AWG. NON SHIELDED	THHN	-
B	1 PAIR #18 AWG. NON SHIELDED	FPLP	-
C	1 PAIR #14 AWG. NON SHIELDED	FPLP	-

SINGLE LINE DIAGRAM LEGEND

SYMBOL	DESCRIPTION	COMMENTS
	LINE VOLTAGE THERMOSTAT, 120V, 10A.	
	CIRCUIT BREAKER WITH TRIP AND POLES AS NOTED; 100 AMP FRAME, 100 AMP TRIP.	
	TRANSFER SWITCH 'TS1'; SEE TRANSFER SWITCH SCHEDULE.	
	DISTRIBUTION PANEL P1 WITH 30A, 2 POLE M.C.B.; SEE DISTRIBUTION PANEL SCHEDULE.	
	UNFUSED DISCONNECT SWITCH DS1, 100 AMP; SEE DISCONNECT SWITCH SCHEDULE.	
	FUSED DISCONNECT SWITCH 'DS1', FUSED AT 100 AMP SIZE, 100 AMP FUSED, 3 POLES; SEE DISCONNECT SWITCH SCHEDULE.	
	GENERATOR SET 'G'	
	ELECTRIC METER AND METER PAN AS PER PSEG REQUIREMENTS.	
	MOTOR, NUMBER INDICATES HORSEPOWER.	
	CURRENT TRANSFORMERS.	
	VOLTAGE TRANSFORMERS.	
	UNINTERRUPTIBLE POWER SUPPLY	
	TRANSFORMER 'T2' WITH SIZE, PRIMARY AND SECONDARY VOLTAGES AS NOTED.	
	RACK OUT CIRCUIT BREAKER	
	REDUCED VOLTAGE SOLID STATE RAMPING MODULE, SIZED FOR 10 H.P.	
	REDUCED VOLTAGE SOLID STATE STARTER, SIZED FOR 150 H.P.	
	VARIABLE FREQUENCY DRIVE, RATED FOR 25 H.P.	
	FULL VOLTAGE NON-REVERSING STARTER, NEMA SIZE 6	
	FULL VOLTAGE REVERSING STARTER, NEMA SIZE 5	
	FAST ACTING SOLID STATE FUSES AS PER MANUFACTURER.	
	MULTIPLE BRANCH CIRCUITS AS REQUIRED.	
	CONTROL CIRCUIT; MIN 2 #12 AWG IN 3/4" E.C.	



2 Typical Fire Alarm Device Location







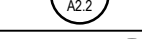
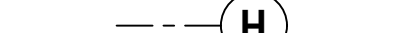


Fire Alarm Sequence of Operation

MANUAL PULL STATION	●	●		●	●	●	●		●	●	●	●
SMOKE DETECTOR	●	●		●	●	●	●		●	●	●	●
HEAT DETECTOR	●	●		●	●	●	●		●	●	●	●
DUCT DETECTOR	●	●		●	●	●	●		●	●	●	●
CARBON MONOXIDE DETECTOR				●	●	●	●		●	●	●	●
FIRE PANEL AC POWER FAILURE			●						●			
FA SYSTEM LOW BATTERY			●						●			
OPEN CIRCUIT			●						●			
GROUND FAULT			●						●			
NOTIFICATION APPLIANCE			●						●			
CIRCUIT SHORT			●						●			

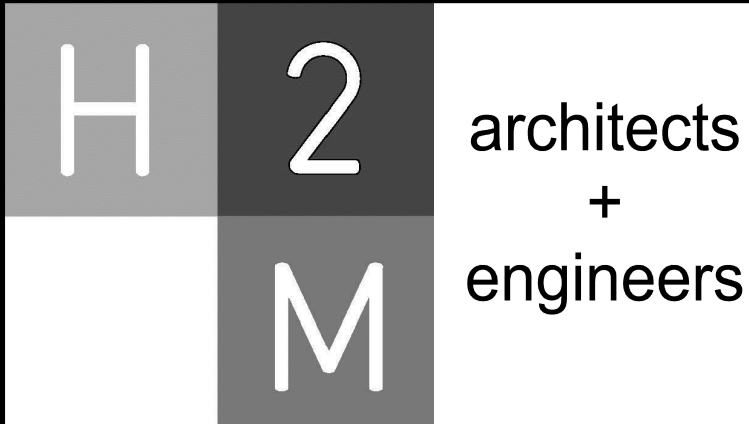
LIST OF DRAWINGS

E 001	ELECTRICAL LEGENDS, FIRE ALARM RISER DIAGRAM AND NOTES
ED 100	ELECTRICAL PARTIAL FIRST FLOOR DEMOLITION PLAN
ED 101	ELECTRICAL PARTIAL FIRST FLOOR DEMOLITION PLAN
ED 102	ELECTRICAL PARTIAL FIRST FLOOR DEMOLITION PLAN
ED 110	ELECTRICAL PARTIAL SECOND FLOOR DEMOLITION PLAN
ED 111	ELECTRICAL PARTIAL SECOND FLOOR DEMOLITION PLAN
ED 112	ELECTRICAL PARTIAL SECOND FLOOR DEMOLITION PLAN
ED 120	ELECTRICAL PARTIAL THIRD FLOOR DEMOLITION PLAN
ED 121	ELECTRICAL PARTIAL THIRD FLOOR DEMOLITION PLAN
ED 130	ELECTRICAL ROOF DEMOLITION PLAN
E 100	ELECTRICAL PARTIAL FIRST FLOOR HVAC POWER PLAN
E 101	ELECTRICAL PARTIAL FIRST FLOOR HVAC POWER PLAN
E 102	ELECTRICAL PARTIAL FIRST FLOOR HVAC POWER PLAN
E 110	ELECTRICAL PARTIAL SECOND FLOOR HVAC POWER PLAN
E 111	ELECTRICAL PARTIAL SECOND FLOOR HVAC POWER PLAN
E 112	ELECTRICAL PARTIAL SECOND FLOOR HVAC POWER PLAN
E 120	ELECTRICAL PARTIAL THIRD FLOOR HVAC POWER PLAN
E 121	ELECTRICAL PARTIAL THIRD FLOOR HVAC POWER PLAN
E 130	ELECTRICAL ROOF HVAC POWER AND FIRE ALARM PLAN
E 500	ELECTRICAL PANEL SCHEDULES
E 501	ELECTRICAL SCHEDULE, DETAILS AND SINGLE LINE DIAGRAM

SYMBOLS LEGEND

	ROOM DESIGNATION
	BUILDING SECTION CUT
	WALL SECTION CUT
	DETAIL KEY
	ELEVATION KEY
	COLUMN GRID
	ELEVATION LINE
	DRAWING TITLE
	INTERIOR ELEVATION REFERENCE
	SEE NOTE # ON DWG #

CONTROL UNIT ANNUNCIATION	NOTIFICATIONS	SUPPLEMENTARY
ACTIVATE COMMON ALARM SIGNAL INDICATOR	●	
ACTIVATE VISUAL ALARM SIGNAL	●	
ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	●	
ACTUATE COMMON TROUBLE SIGNAL	●	
ACTUATE ZONE INDICATION	●	
ACTUATE FULL BUILDING EVACUATION SIGNAL	●	
DISPLAY CHANGE OF STATUS	●	
TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	●	
TRANSMIT SUPERVISION SIGNAL TO SUPERVISING STATION	●	
TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	●	
ACTUATE TO RELEASE DOOR HOLD	●	
HVAC FAN SHUTDOWN	●	
INITIATE EXTERIOR STROBE	●	



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CONSULTANTS:

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DESIGNED BY: SAN	DRAWN BY: SAN	CHECKED BY:	REVIEWED BY:
PROJECT No.: WPSD2113	DATE: JANUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School



**100 Orchard Street
White Plains NY, 10604**

66-22-00-01-0-009-017

CONTRACT

CONTRACT E
ELECTRICAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

ELECTRICAL LEGENDS, FIRE ALARM RISER DIAGRAM AND NOTES

DRAWING No.

E 001.00

X:\WPSD\White Plains Central School District - 10001\WPSD 2113 - GYM UV Replacements\02-BIM\CADD\Con-Add\ed100 Electrical Partial First Floor Demolition.dwg, Jan 11, 2023, 11:25am By: angela

1 Electrical Partial First Floor Demolition Plan
SCALE: 1/8"=1'-0"

ELECTRICAL GENERAL DEMOLITION NOTES:

- GD1. REMOVE AND DISPOSE OF INCLUDES: REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS, WIRES AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.
- GD2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING DEVICES ON A CIRCUIT WHEN THE DRAWINGS CALL FOR REMOVAL AND/OR DISPOSAL OF A DEVICE ON THAT CIRCUIT.
- GD3. ALL CONDUITS SPECIFIED TO BE REMOVED SHALL BE CUT FLUSH WITH THE SURFACE AND SURFACE SHALL BE PATCHED UNLESS OTHERWISE NOTED. SURFACE SHALL BE PRIMED AND PAINTED TO MATCH EXISTING.
- GD4. WHERE CONDUITS AND WIRING PASS THROUGH WORK AREA AND/OR ARE SCHEDULED TO REMAIN, CONTRACTOR SHALL REROUTE EXISTING CONDUIT AND WIRING. PROVIDE CONDUIT, WIRE, AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE WITH OTHER TRADES IS REQUIRED.

ELECTRICAL GENERAL FIRE ALARM NOTE:

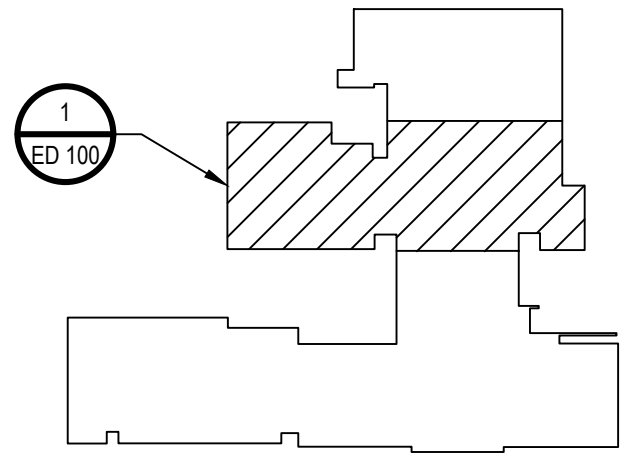
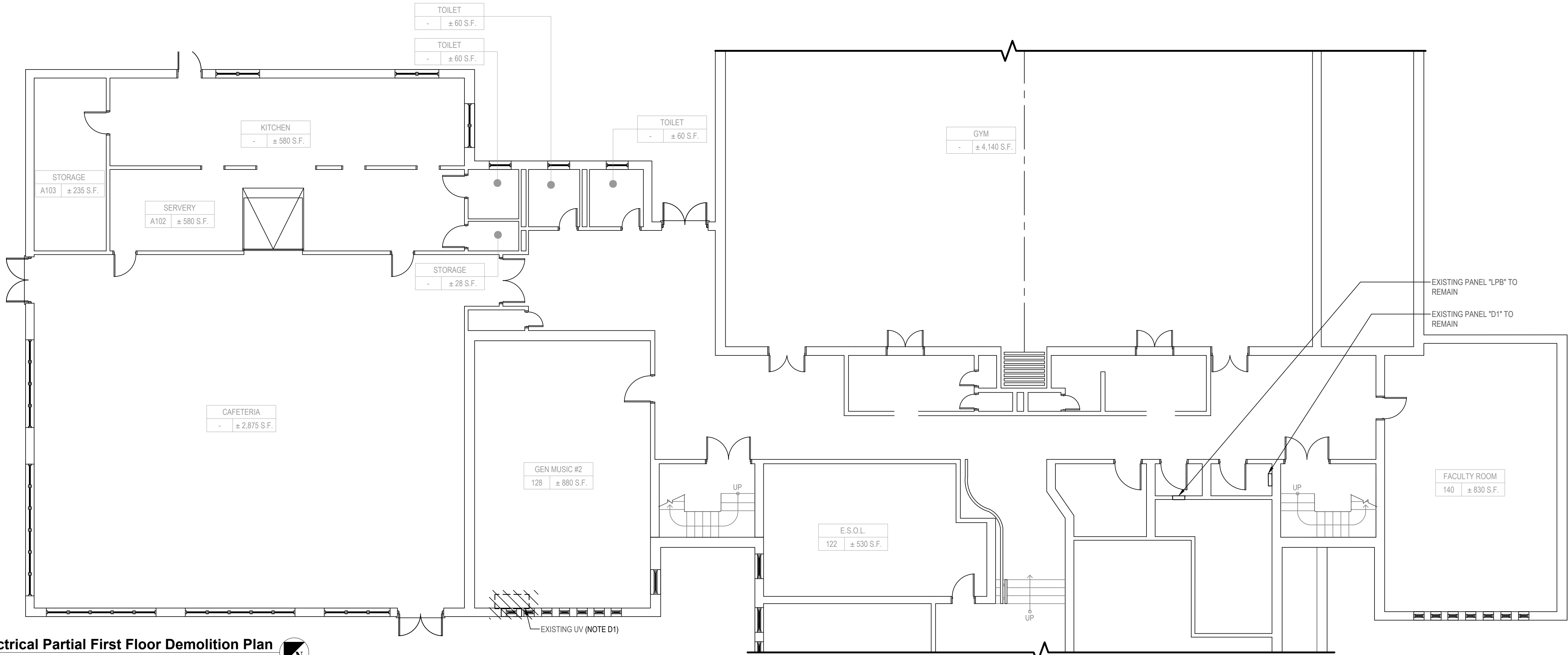
- GF1. CONTRACTOR SHALL NOTIFY FIRE ALARM MONITORING COMPANY PRIOR TO INSTALLING, RELOCATING AND/OR MODIFYING EXISTING AND/OR NEW FIRE ALARM DEVICES. PROGRAM SYSTEM AS REQUIRED TO INSTALL NEW DEVICES.

ELECTRICAL DEMOLITION KEY NOTE:

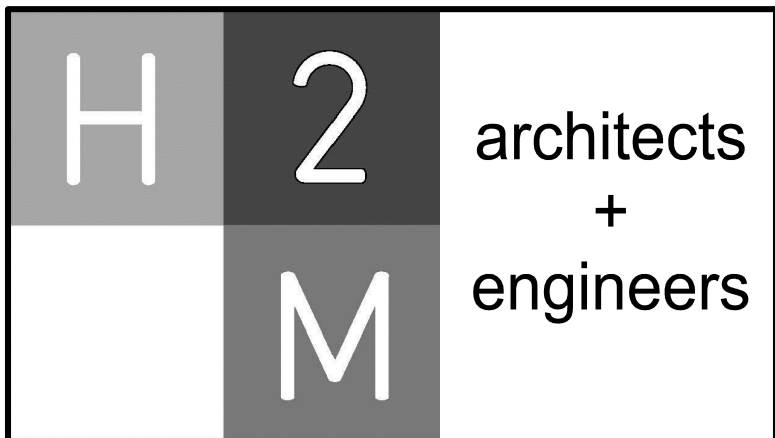
- D1. CONTRACT 'H' SHALL REMOVE AND DISPOSE OF EXISTING EQUIPMENT. CONTRACT 'E' SHALL REMOVE AND DISPOSE OF ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH THE EXISTING HVAC EQUIPMENT SCHEDULED FOR DEMOLITION INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, ASSOCIATED FIRE ALARM DEVICES, WIRE AND CONDUIT BACK TO SOURCE. REFER TO CONTRACT 'H' DRAWINGS FOR ADDITIONAL INFORMATION.

LEGEND

/// - REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.



Key Plan
SCALE: NTS



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CONSULTANTS:

MARK	DATE	DESCRIPTION

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DESIGNED BY: SAN	DRAWN BY: SAN	CHECKED BY:	REVIEWED BY:
PROJECT NO: WPSD2113	DATE: JANUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

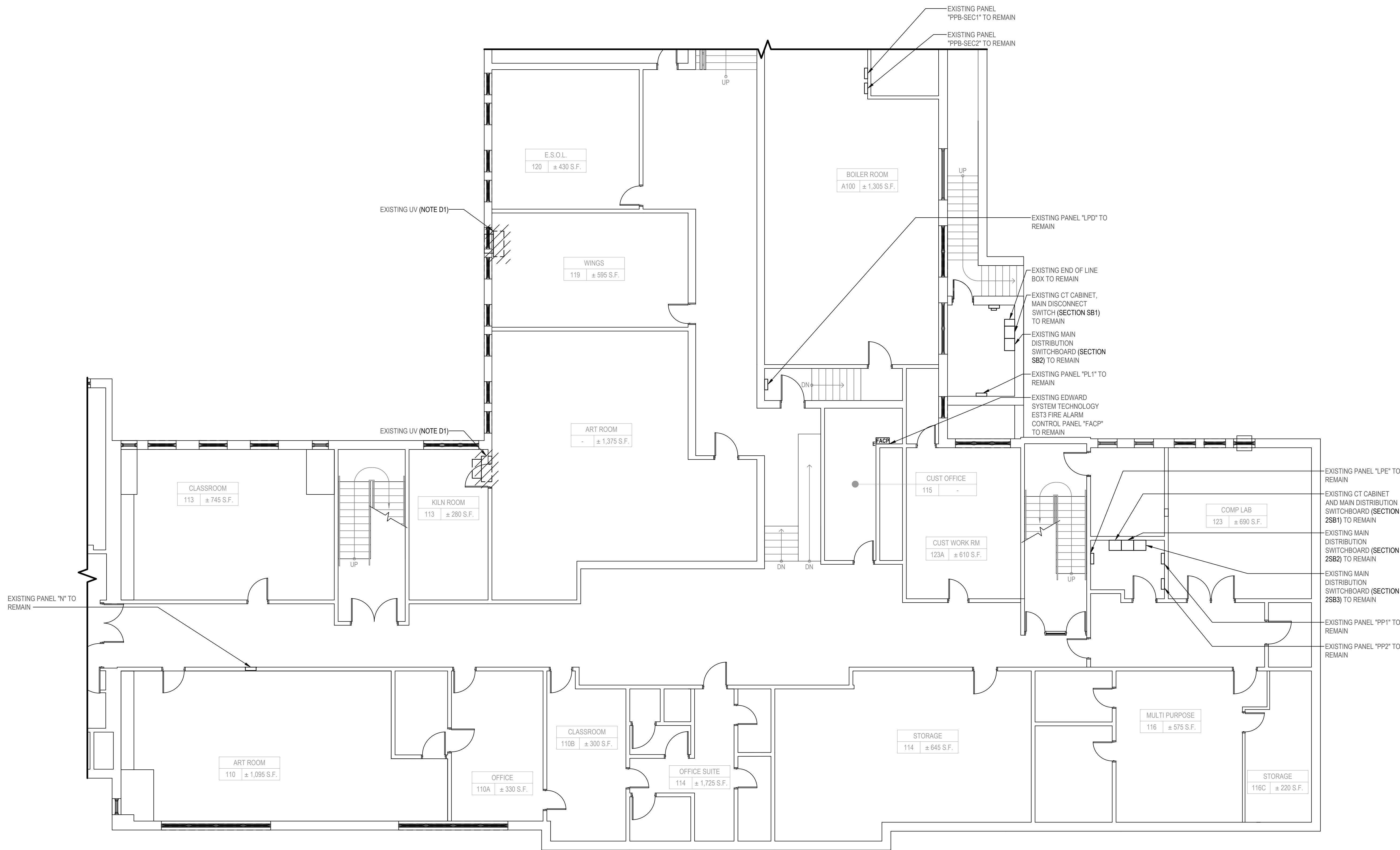
CONTRACT
**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
ELECTRICAL PARTIAL FIRST FLOOR DEMOLITION PLAN

DRAWING No.
ED 100.00

X:\WPSD\White Plains Central School District - 10001\WPSD 2113 - GYM UV Replacements\02-BIM\CADD\CD\Con-Ed\electrical\ED 101 Electrical Partial First Floor Demolition Plan.dwg Jan 11, 2023 - 11:12am Plotted on Jan 11, 2023 - 11:43am By ewg/aj



1 Electrical Partial First Floor Demolition Plan SCALE: 1/8"=1'-0"

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GD4. WHERE CONDUITS AND WIRING PASS THROUGH WORK AREA AND/OR ARE SCHEDULED TO REMAIN, CONTRACTOR SHALL REROUTE EXISTING CONDUIT AND WIRING, PROVIDE CONDUIT, WIRE, AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE WITH OTHER TRADES AS REQUIRED.

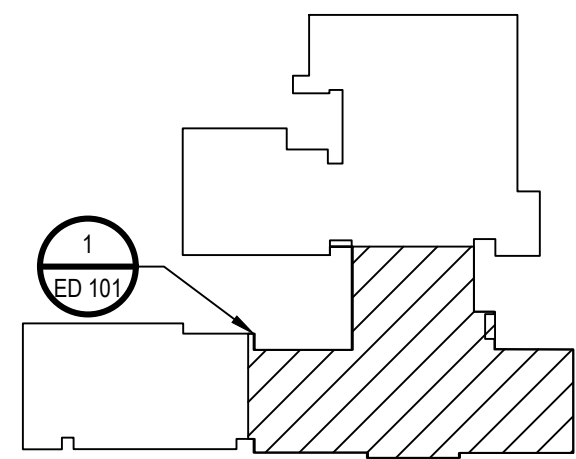
ELECTRICAL GENERAL FIRE ALARM NOTE:

GF1. CONTRACTOR SHALL NOTIFY FIRE ALARM MONITORING COMPANY PRIOR TO INSTALLING, RELOCATING AND/OR MODIFYING EXISTING AND/OR NEW FIRE ALARM DEVICES. PROGRAM SYSTEM AS REQUIRED TO INSTALL NEW DEVICES.

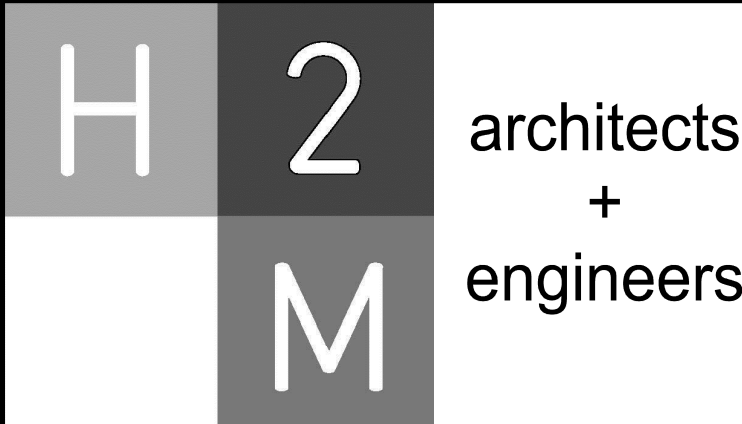
ELECTRICAL DEMOLITION KEY NOTE:

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LEGEND	
	- REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.



Key Plan
SCALE: NTS



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CONSULTANTS:		

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PROJECT NO: WPSPD2113	DATE: JANUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the
George Washington
Elementary School

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

CONTRACT E ELECTRICAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

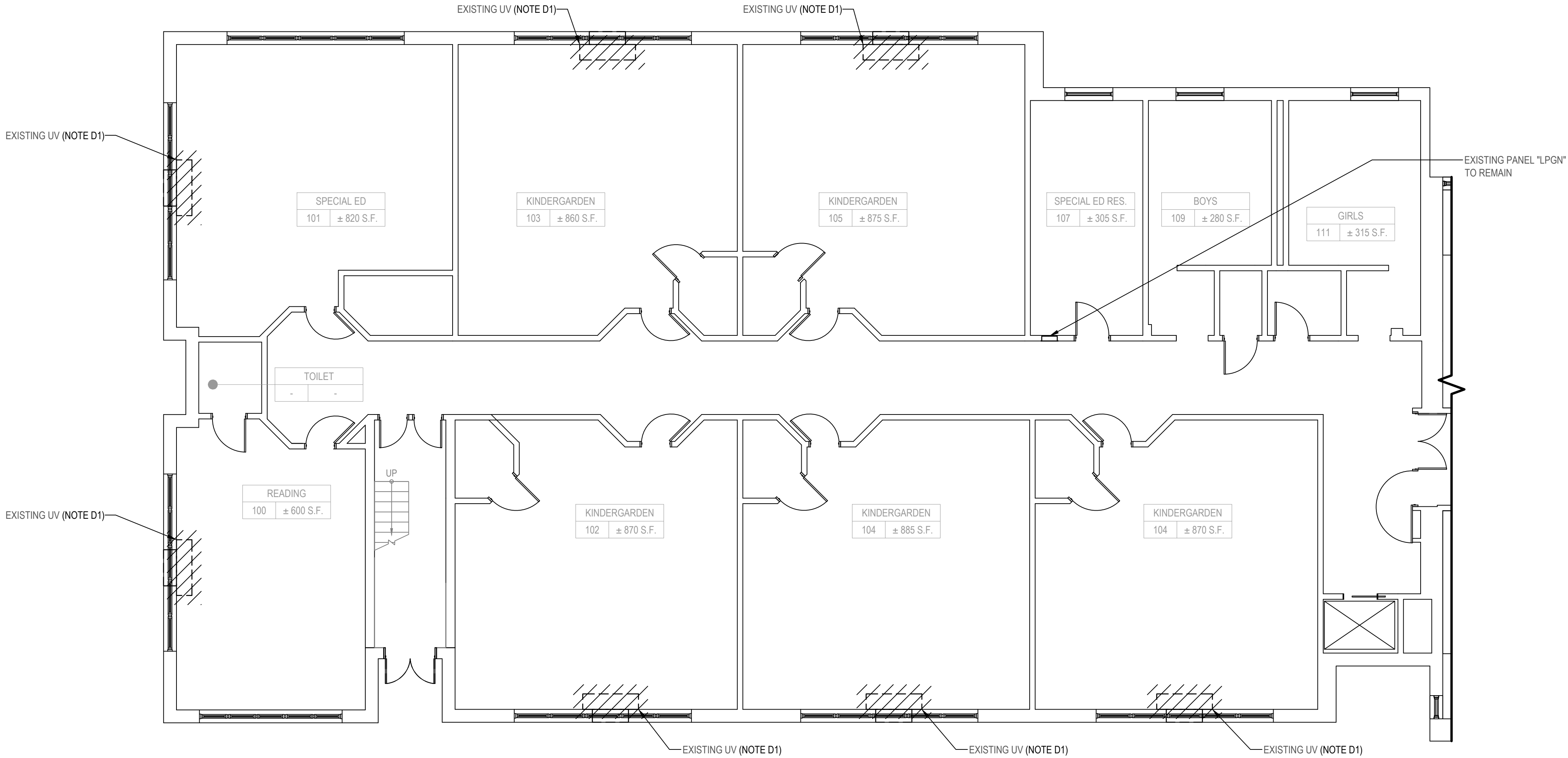
SHEET TITLE

ELECTRICAL PARTIAL FIRST FLOOR DEMOLITION PLAN

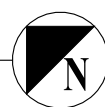
DRAWING No.

ED 101.00

X:\WPSD\White Plains Central School District - 10501 WPSD 213 - G01 UV Replacements\02-BIM\CADD\Construction\03-ED 102 Electrical Partial First Floor Demolition Plan.dwg Jan 04, 2023 - 7:58am Plotted on Jan 11, 2023 - 11:25am By: angela



1 Electrical Partial First Floor Demolition Plan
SCALE: 1/8"=1'-0"



LEGEND

/// - REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.

ELECTRICAL GENERAL DEMOLITION NOTES:

GD1. REMOVE AND DISPOSE OF INCLUDES: REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS, WIRES AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.

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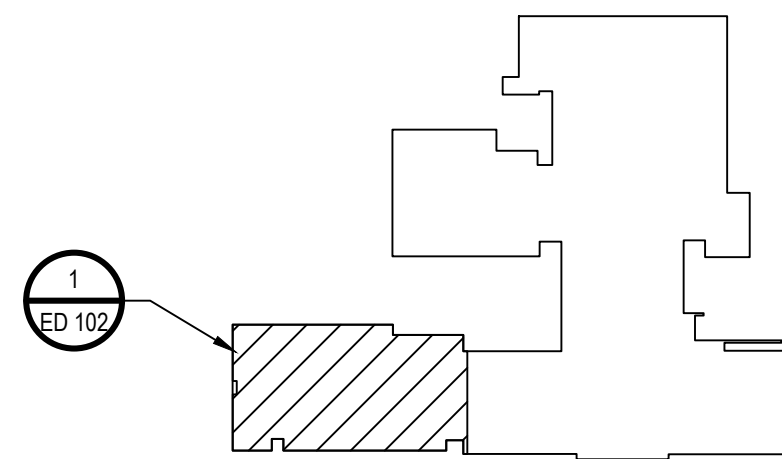
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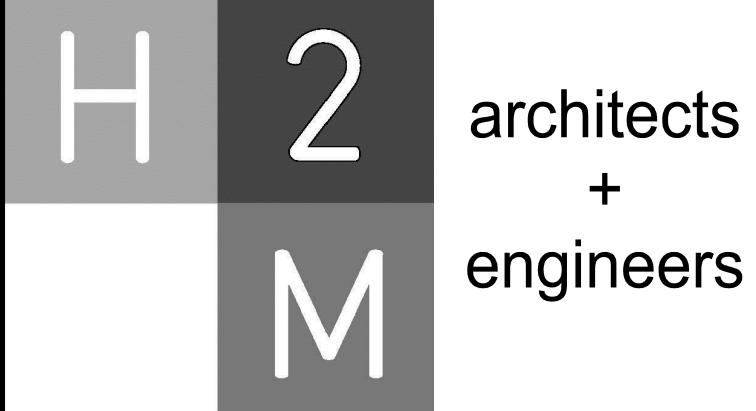
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Key Plan
SCALE: NTS



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**White Plains City
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**UV Replacements at the
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Elementary School**



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CONTRACT

**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS

FINAL BID DOCUMENT

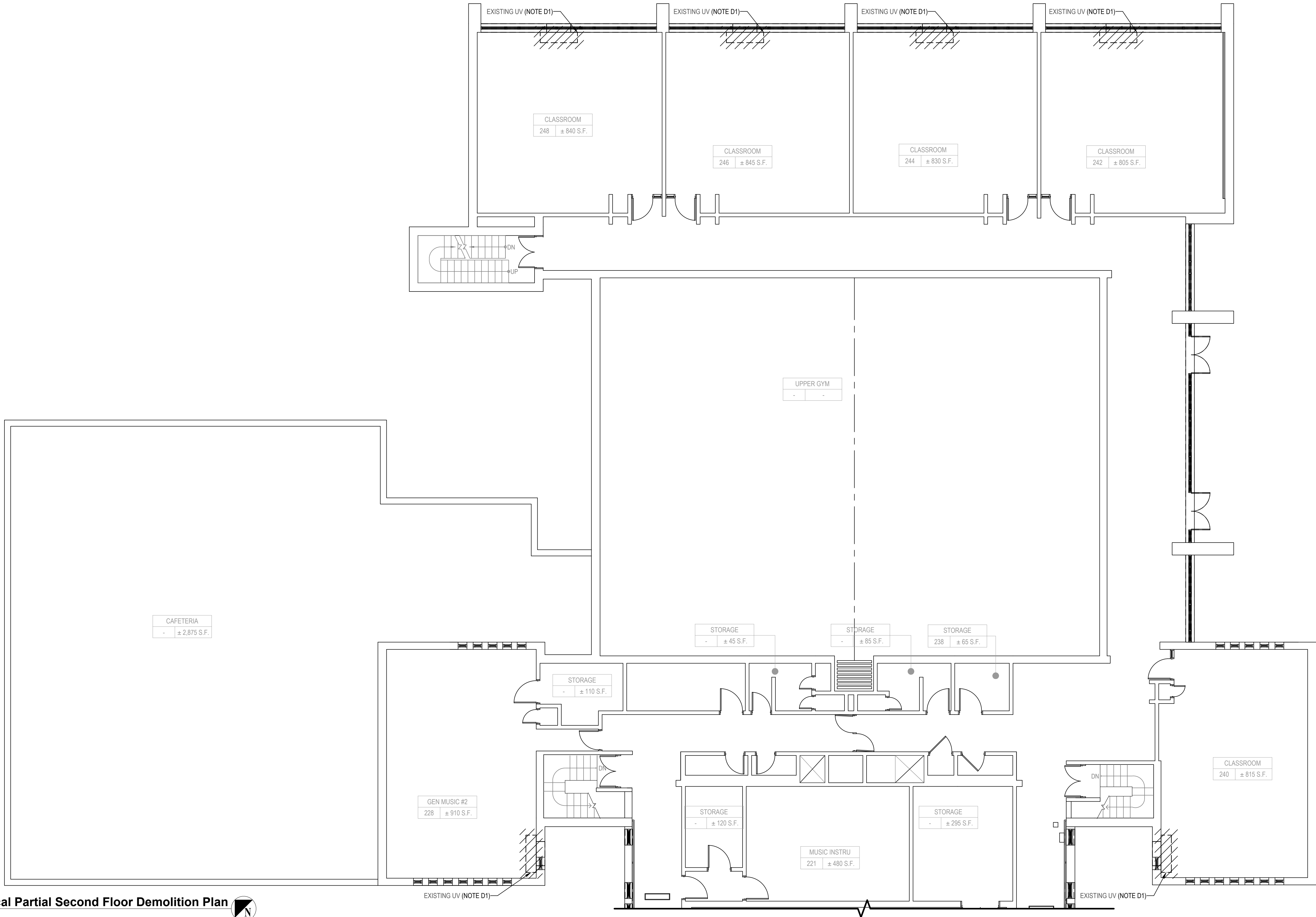
SHEET TITLE

**ELECTRICAL PARTIAL FIRST
FLOOR DEMOLITION PLAN**

DRAWING No.

ED 102.00

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1 Electrical Partial Second Floor Demolition Plan

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

ELECTRICAL GENERAL DEMOLITION NOTES:

- GD1. REMOVE AND DISPOSE OF INCLUDES: REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS, WIRES AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.
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ELECTRICAL GENERAL FIRE ALARM NOTE:

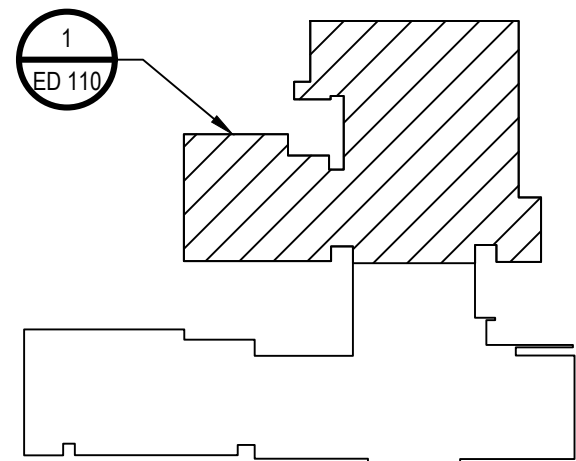
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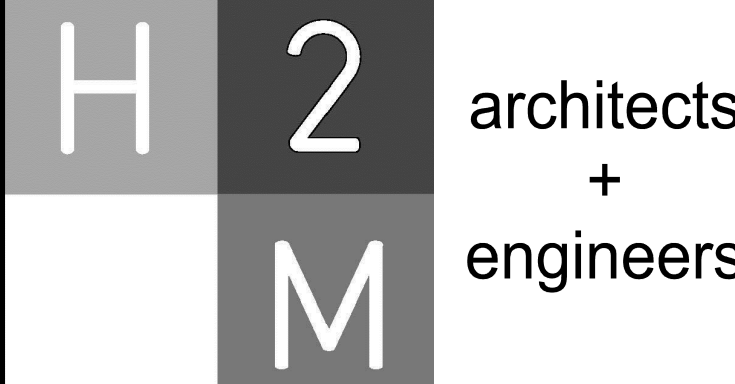
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LEGEND

 - REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.



Key Plan
SCALE: NTS



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**UV Replacements at the
George Washington
Elementary School**



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White Plains NY, 10604

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CONTRACT

**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS

FINAL BID DOCUMENT

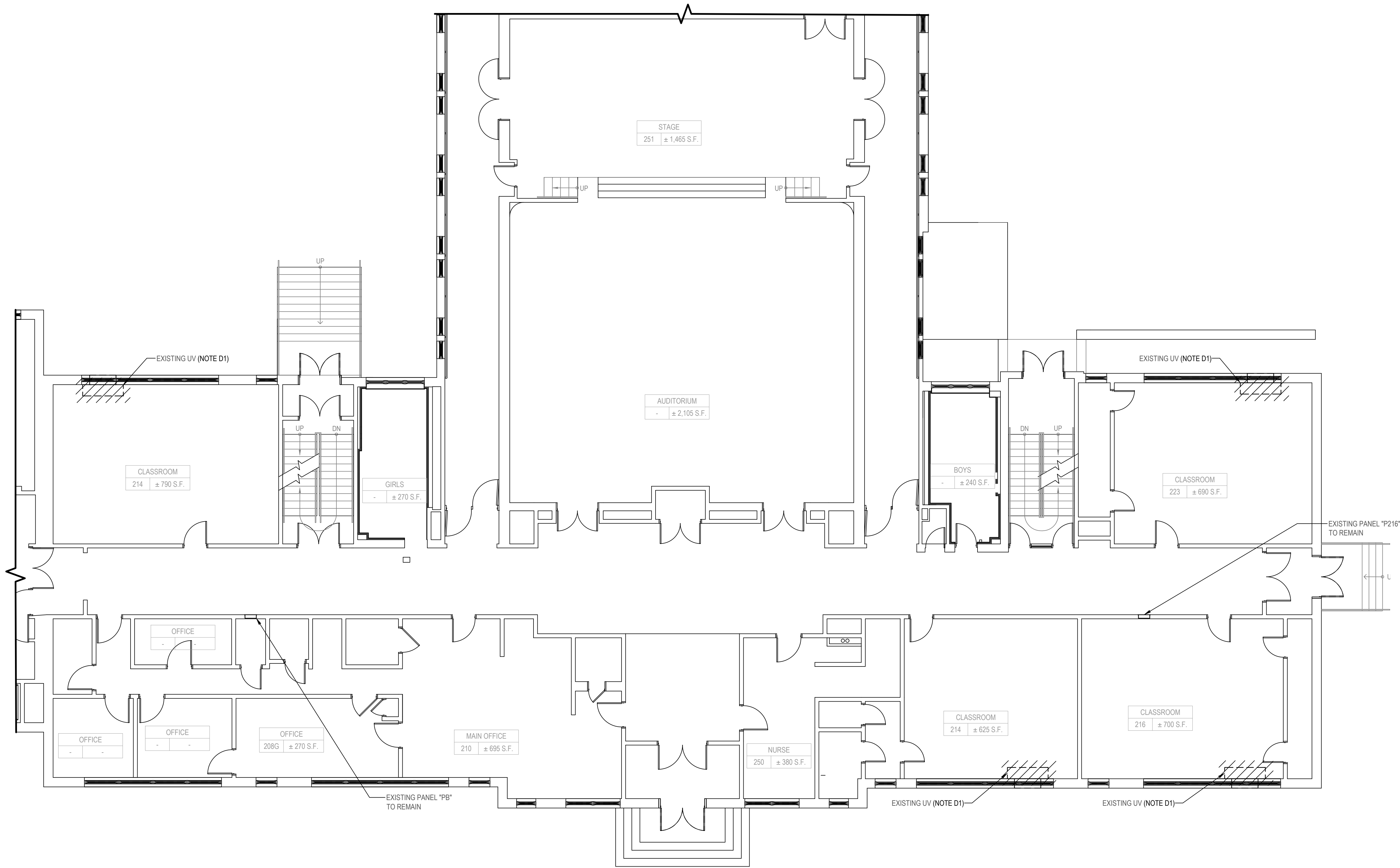
SHEET TITLE

**ELECTRICAL PARTIAL SECOND
FLOOR DEMOLITION PLAN**

DRAWING No.

ED 110.00

X:\WPSD\White Plains Central School District - 10001\WPSD 2113 - GYM UV Replacements\02-BIM\CADD\Construction\Second Floor Demolition Plan.dwg Jan 04, 2023 - 7:50am Plotted on Jan 11, 2023 - 11:43am By ymagda



1 Electrical Partial Second Floor Demolition Plan
SCALE: 1/8"=1'-0"

ELECTRICAL GENERAL DEMOLITION NOTES:

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ELECTRICAL GENERAL FIRE ALARM NOTE:

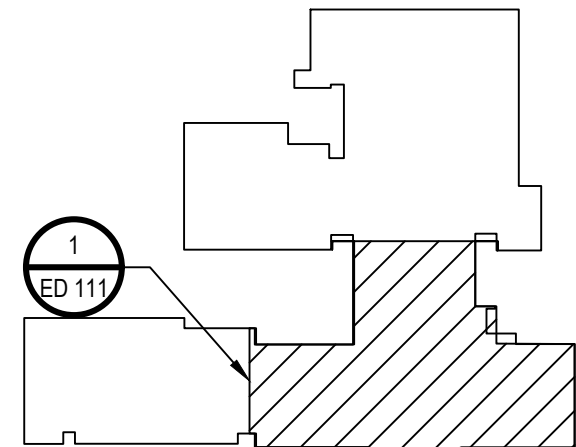
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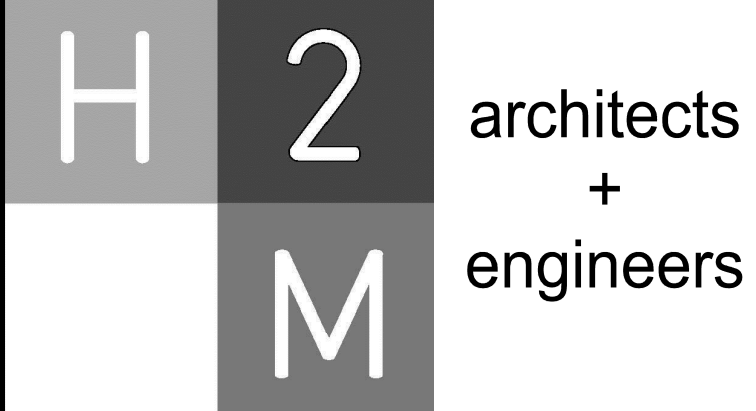
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LEGEND

 - REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.



Key Plan
SCALE: NTS



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PROJECT NO.: WPSD2113	DATE: JANUARY 2023	SCALE: AS SHOWN	

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**White Plains City
School District**

**UV Replacements at the
George Washington
Elementary School**



100 Orchard Street
White Plains NY, 10604

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CONTRACT

**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS

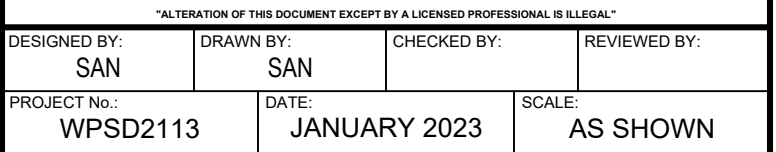
FINAL BID DOCUMENT

SHEET TITLE

**ELECTRICAL PARTIAL SECOND
FLOOR DEMOLITION PLAN**

DRAWING No.

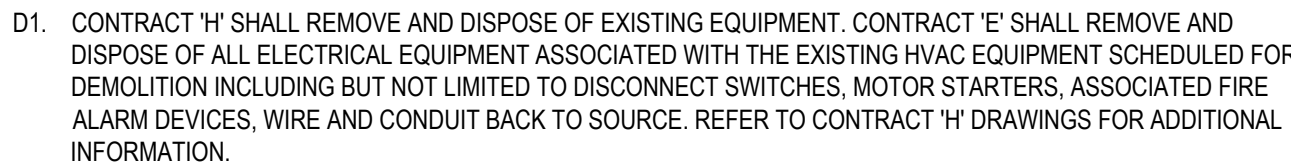
ED 111.00

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66-22-00-01-0-009-017

DRAWING No.

ED 112.00



/// - REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.



SCALE:NTS



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1 Electrical Partial Third Floor Demolition Plan

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

LEGEND

/// - REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.

ELECTRICAL GENERAL DEMOLITION NOTES:

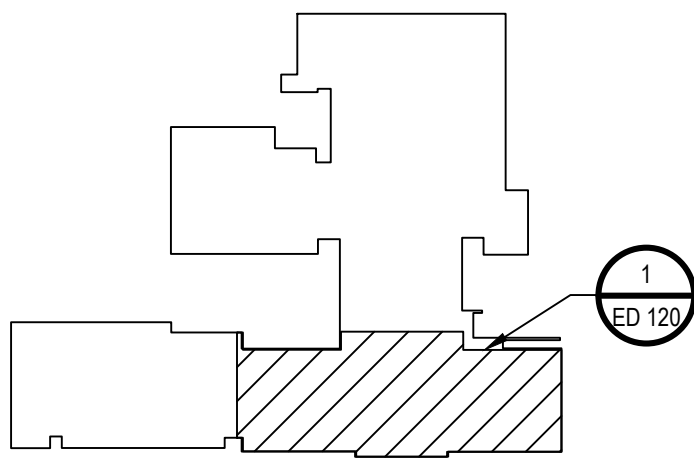
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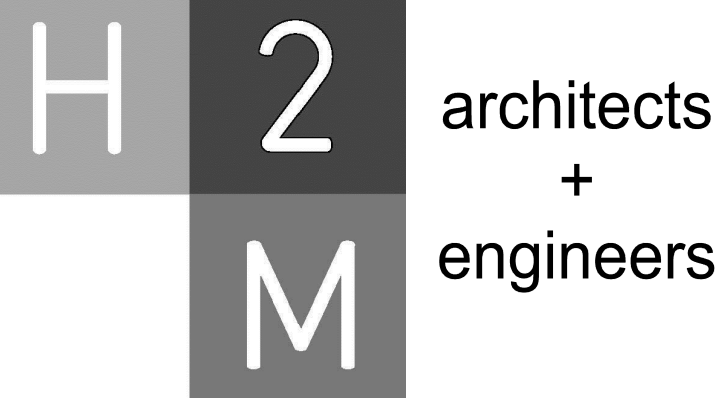
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Key Plan
SCALE: NTS



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**White Plains City
School District**

**UV Replacements at the
George Washington
Elementary School**



**100 Orchard Street
White Plains NY, 10604**

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CONTRACT

**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS

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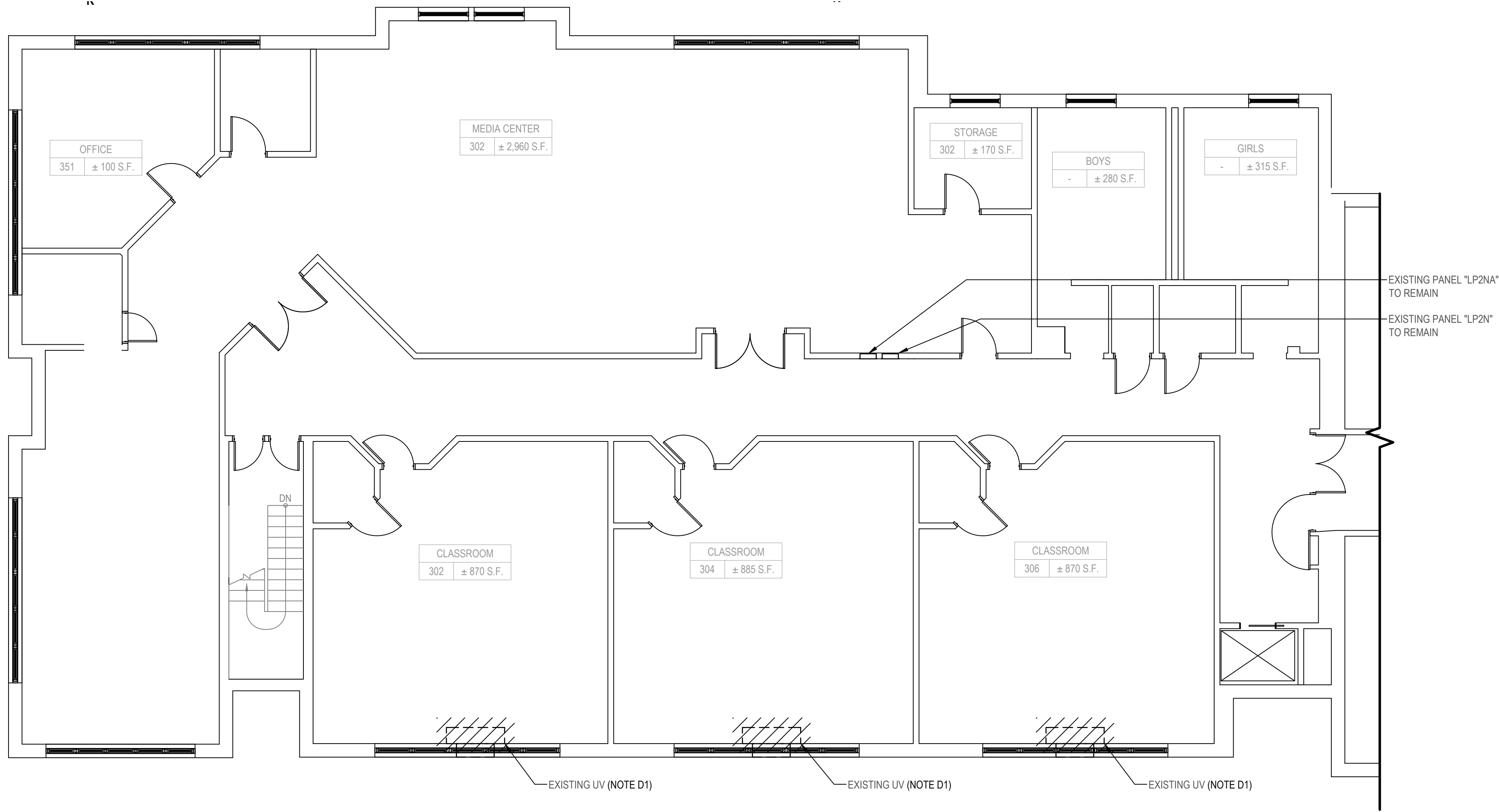
SHEET TITLE

**ELECTRICAL PARTIAL THIRD
FLOOR DEMOLITION PLAN**

DRAWING No.

ED 120.00

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1 Electrical Partial Third Floor Demolition Plan
SCALE: 1/8"=1'-0"

ELECTRICAL GENERAL DEMOLITION NOTES:

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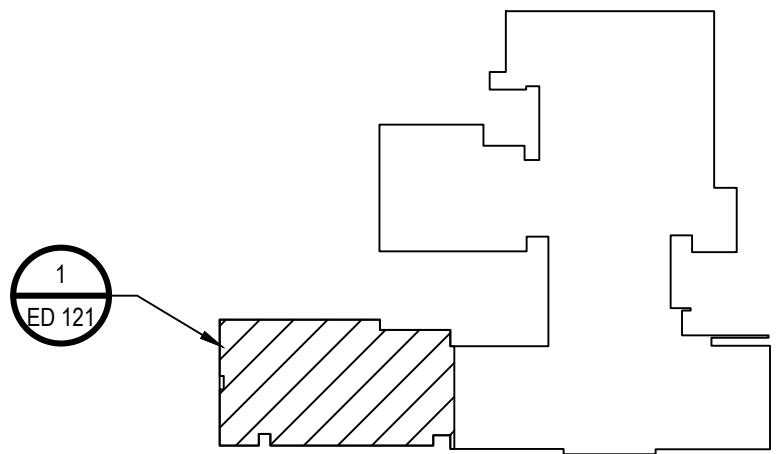
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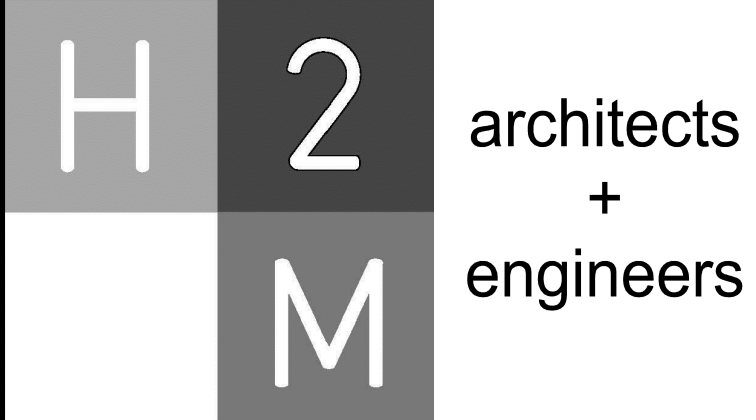
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LEGEND

 - REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.



Key Plan
SCALE: NTS



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PROJECT NO: WPSD2113	DATE: JANUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School

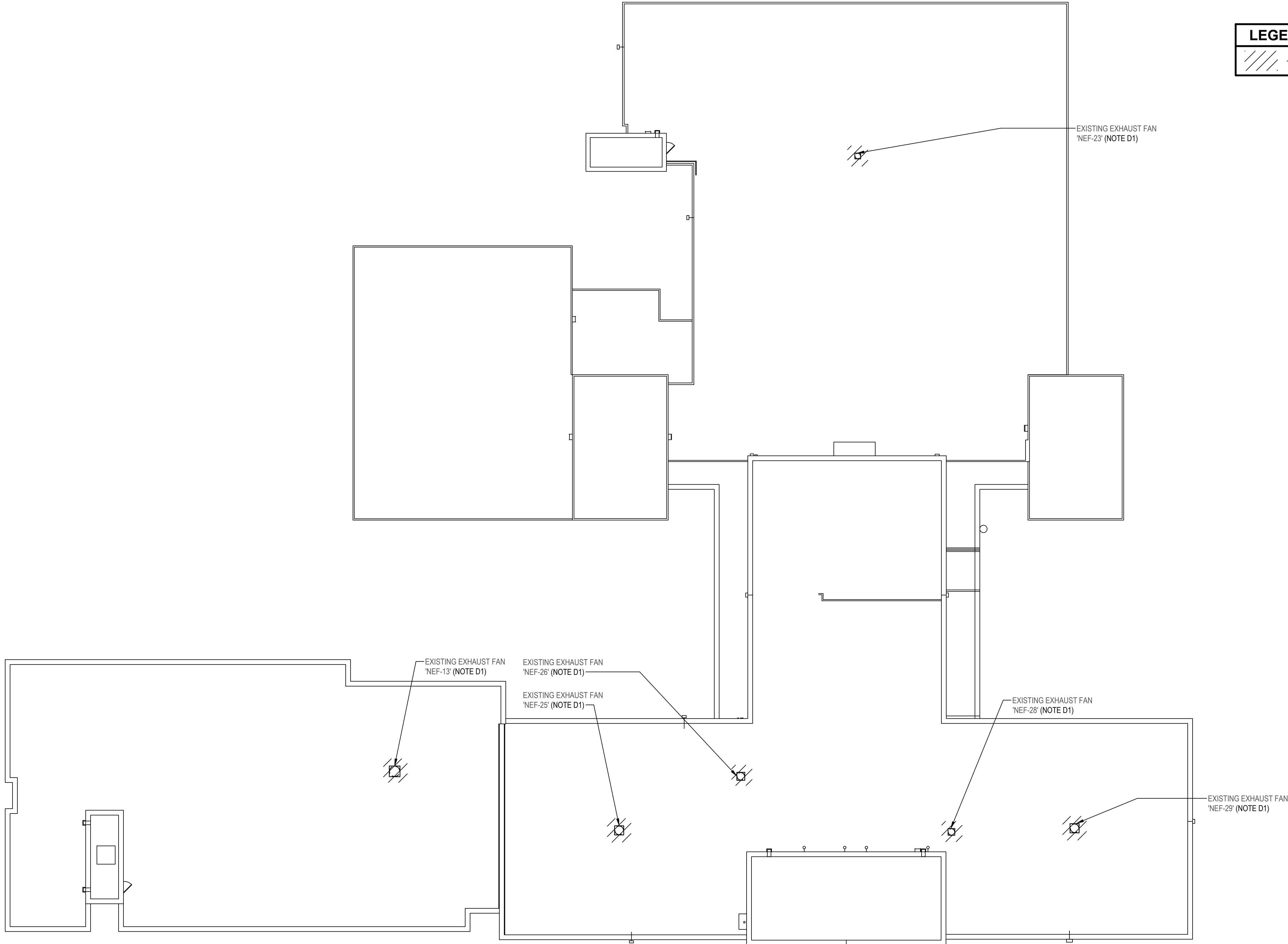


**100 Orchard Street
White Plains NY, 10604**

66-22-00-01-0-009-017

CONTRACT
CONTRACT E ELECTRICAL CONSTRUCTION
STATUS
FINAL BID DOCUMENT
SHEET TITLE
ELECTRICAL PARTIAL THIRD FLOOR DEMOLITION PLAN
DRAWING No.
ED 121.00

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LEGEND

- REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.

1

Electrical Roof Demolition Plan

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

ELECTRICAL GENERAL DEMOLITION NOTES:

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H2M

architects
+
engineers

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CONSULTANTS:

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PROJECT NO: WPSD2113	DATE: JANUARY 2023	SCALE:	AS SHOWN

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

CONTRACT E

ELECTRICAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

ELECTRICAL ROOF DEMOLITION PLAN

DRAWING No.

ED 130.00

CONSULTANTS:

MARK	DATE	DESCRIPTION



DESIGNED BY: SAN	DRAWN BY: SAN	CHECKED BY:	REVIEWED BY:
PROJECT NO: WPSD2113	DATE: JANUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

UV Replacements at the George Washington Elementary School

100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

CONTRACT E
ELECTRICAL CONSTRUCTION

STATUS

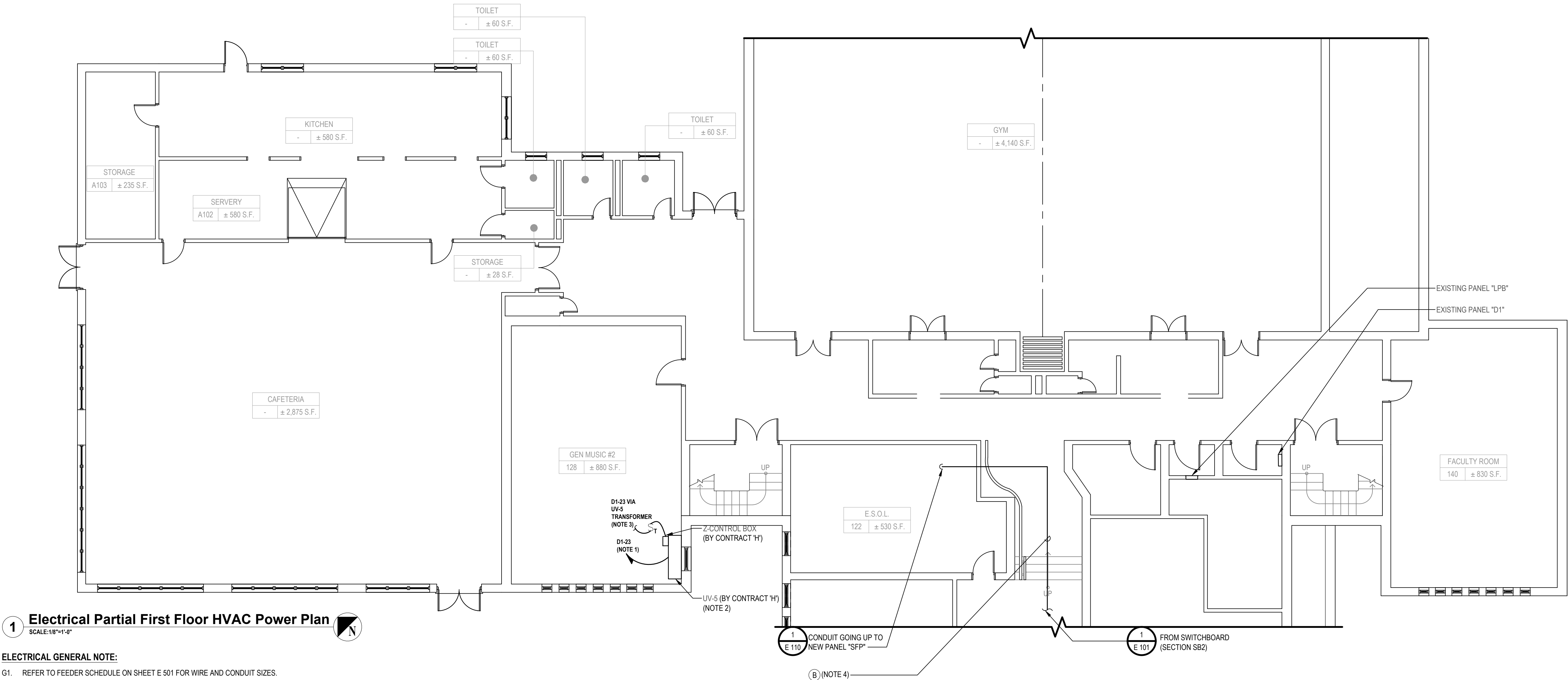
FINAL BID DOCUMENT

SHEET TITLE

ELECTRICAL PARTIAL FIRST FLOOR HVAC POWER PLAN

DRAWING No.

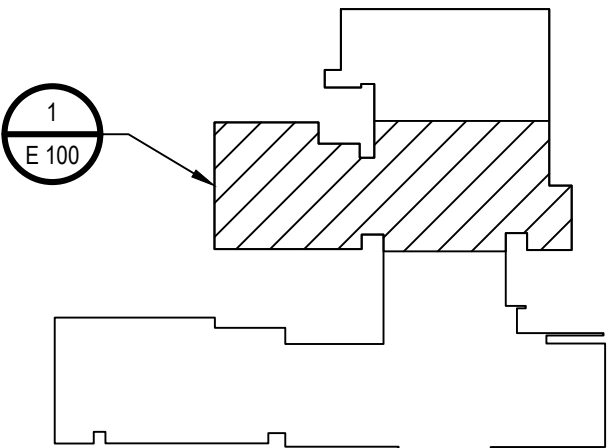
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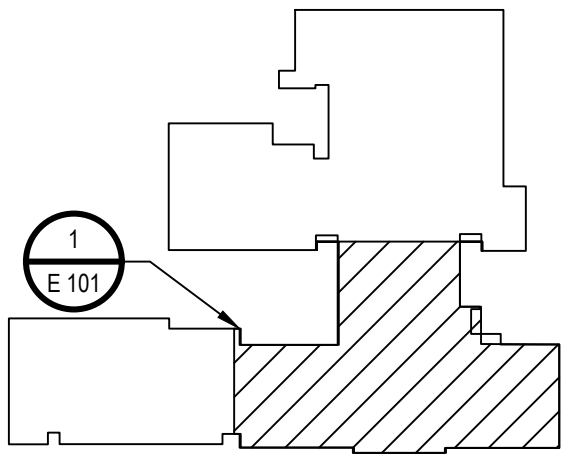
1 Electrical Partial First Floor HVAC Power Plan
SCALE:1/8"=1'-0"

ELECTRICAL GENERAL NOTE:
G1. REFER TO FEEDER SCHEDULE ON SHEET E 501 FOR WIRE AND CONDUIT SIZES.

- ELECTRICAL KEY NOTES:
- CONTRACTOR SHALL REMOVE AND CLEAN EXISTING 20A/1P SPARE CIRCUIT BREAKER AND TURN OVER TO SCHOOL DISTRICT. CONTRACTOR SHALL PROVIDE AND INSTALL A NEW 15A/1P CIRCUIT BREAKER IN EXISTING PANEL. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AS REQUIRED. NEW CIRCUIT BREAKER SHALL BE LISTED/LABELED FOR USE IN EXISTING PANEL. AMPERE INTERRUPTING CAPACITY (AIC) RATING ON NEW CIRCUIT BREAKER SHALL MATCH OR EXCEED EXISTING PANEL RATING.
 - MANUFACTURER PROVIDED DISCONNECT SWITCH.
 - CONTRACTOR SHALL NOTE TRANSFORMER IS PROVIDED FOR Z-CONTROL BOX IN THE ASSOCIATED UNIT VENTILATOR. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRE AND CONDUIT AS REQUIRED. FOR A FULLY FUNCTIONING SYSTEM. REFER TO CONTRACT 'H' DRAWINGS AND SCHEDULE FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL NOTE THAT ALL CONDUITS SHALL BE INSTALLED ABOVE DROP CEILING.



Key Plan
SCALE:NTS




Key Plan 
SCALE: NTS

X:\WPSD (White Plains Central School District) - 1099\WPSPD 2113 - (GV UV Replacements)\02-BIM-CADD\Con-docs\elec\0-E 101 Electrical Partial First Floor HVAC Power Plan.dwg Last Modified: Jan 11, 2023 - 11:34am Plotted on: Jan 11, 2023 - 11:43am By: sniglia

CONSULTANTS:		


MARK	DATE	DESCRIPTION

			
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White Plains City School District

UV Replacements at the George Washington Elementary School



100 Orchard Street
White Plains NY, 10604

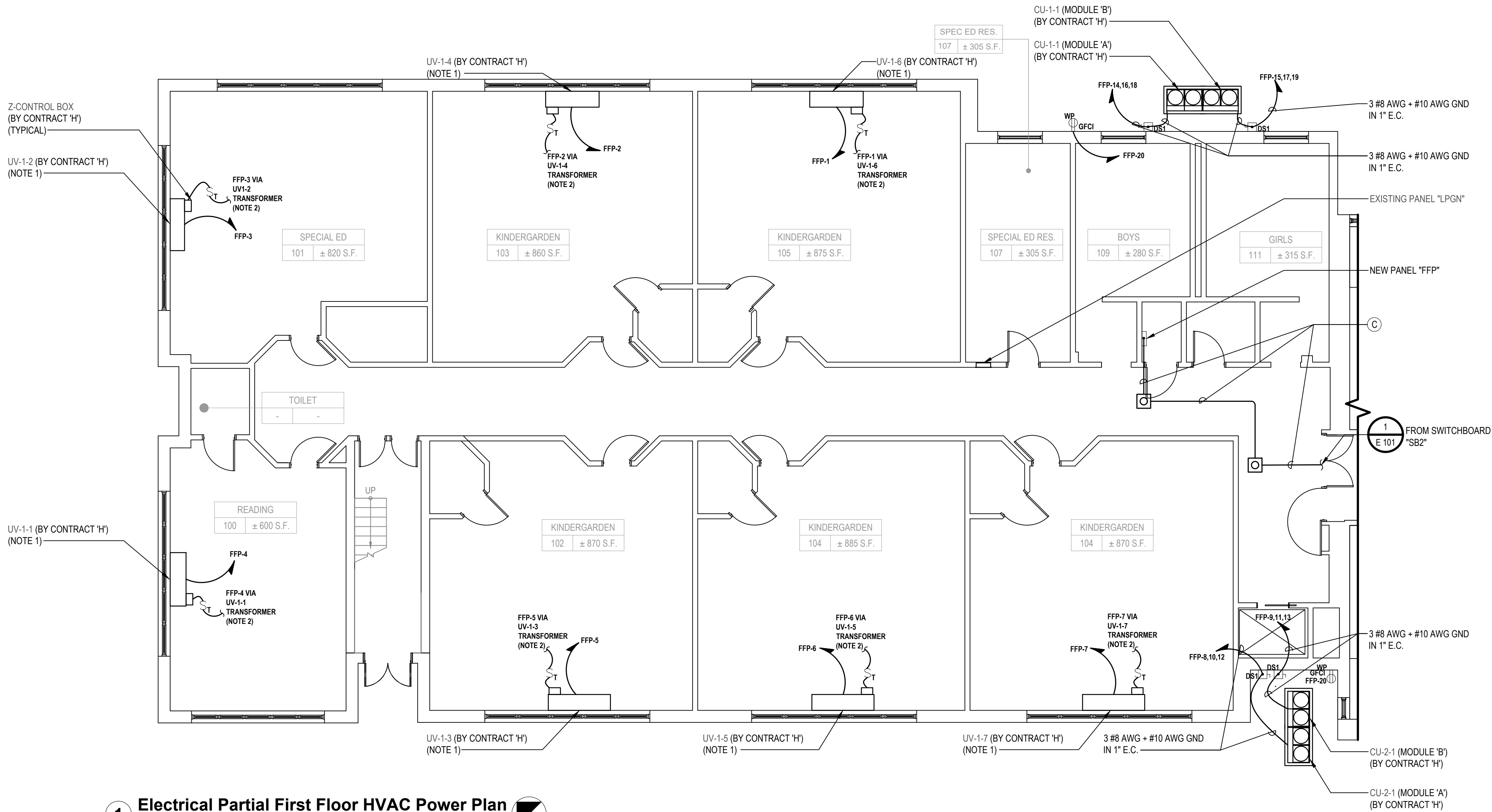
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STATUS
FINAL BID DOCUMENT

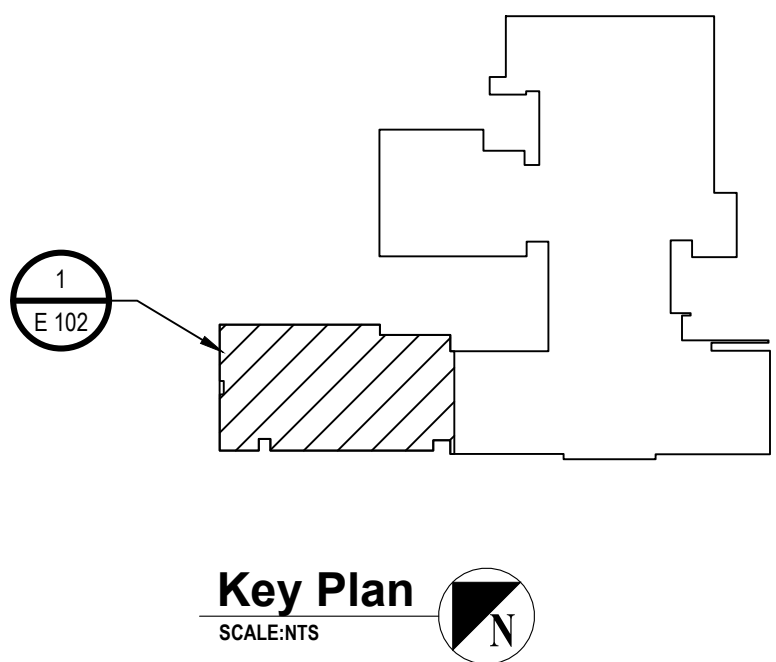
SHEET TITLE
ELECTRICAL PARTIAL FIRST FLOOR HVAC POWER PLAN

DRAWING No.
E 102.00



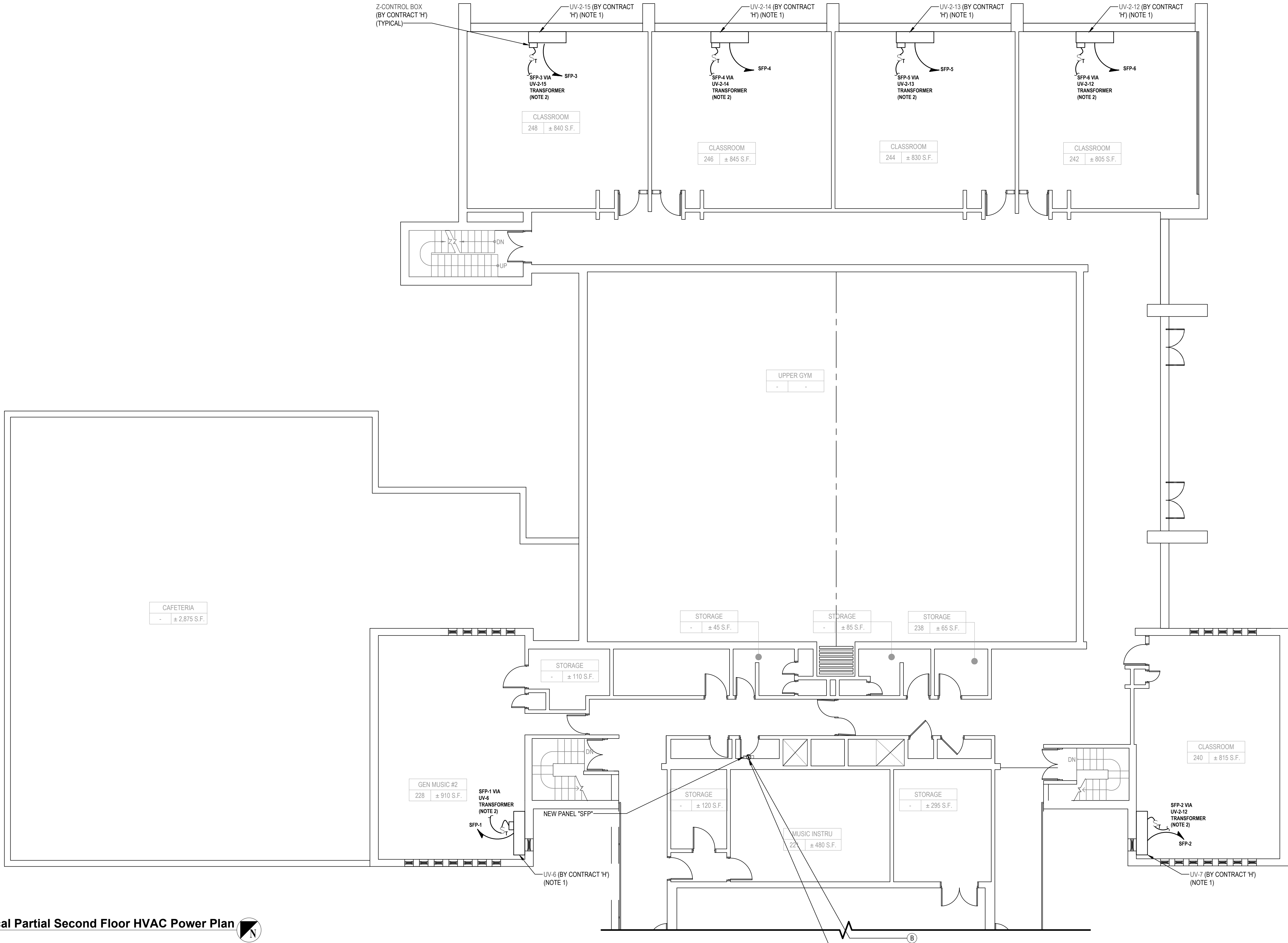
1 Electrical Partial First Floor HVAC Power Plan

- ELECTRICAL GENERAL NOTES:**
- REFER TO FEEDER SCHEDULE ON SHEET E 501 FOR WIRE AND CONDUIT SIZES.
 - CONTRACTOR SHALL NOTE CONDENSING UNITS CONSISTS OF MULTIPLE MODULES WITH DIFFERENT ELECTRICAL REQUIREMENT. VERIFY EXACT LOCATION OF MODULES WITH CONTRACT 'H' PRIOR TO TERMINATING EACH CIRCUITS.
 - CONTRACTOR SHALL NOTE THAT ALL CONDUITS SHALL BE INSTALLED ABOVE DROP CEILING.
- ELECTRICAL KEY NOTES:**
- MANUFACTURER PROVIDED DISCONNECT SWITCH.
 - CONTRACTOR SHALL NOTE TRANSFORMER IS PROVIDED FOR Z-CONTROL BOX IN THE ASSOCIATED UNIT VENTILATOR. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRE AND CONDUIT AS REQUIRED. FOR A FULLY FUNCTIONING SYSTEM. REFER TO CONTRACT 'H' DRAWINGS AND SCHEDULE FOR ADDITIONAL INFORMATION.



Key Plan
SCALE: NTS

X:\WPSD\White Plains Central School District - 10001\WPSD 2113 - GYM UV Replacements\02-BIM\CADD\Drawings\13 E 110 Electrical\Partial Second Floor HVAC Power Plan.dwg Last Modified: Jan 11, 2023 - 11:44am By: engis



1 Electrical Partial Second Floor HVAC Power Plan
SCALE: 1/8"=1'-0"

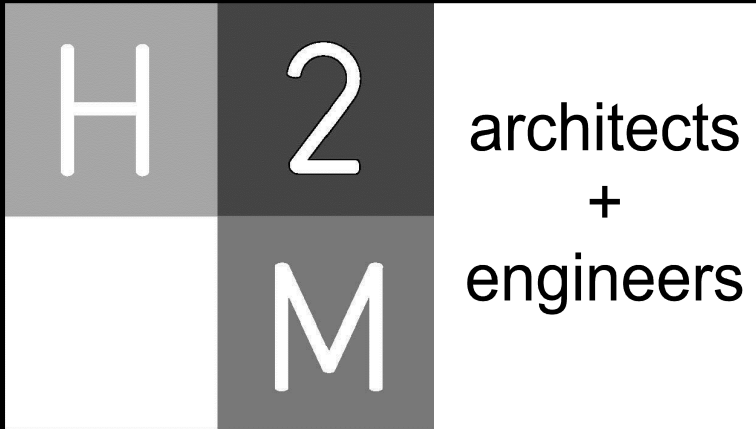
ELECTRICAL GENERAL NOTE:

G1. REFER TO FEEDER SCHEDULE ON SHEET E 501 FOR WIRE AND CONDUIT SIZES.

ELECTRICAL KEY NOTES:

- MANUFACTURER PROVIDED DISCONNECT SWITCH.
- CONTRACTOR SHALL NOTE TRANSFORMER IS PROVIDED FOR Z CONTROL BOX IN THE ASSOCIATED UNIT VENTILATOR. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRE AND CONDUIT AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM. REFER TO CONTRACT 'H' DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL COREDRILL WALL AND FLOOR AS REQUIRED. INSTALL NON SHRINK GROUT/FIREPROOFING SEALANT FOR ALL CONDUIT PENETRATIONS. RESTORE ALL FINISH TO MATCH EXISTING.

Key Plan
SCALE: NTS



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PROJECT NO: WPSD2113	DATE: JANUARY 2023	SCALE: AS SHOWN	

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**White Plains City
School District**

**UV Replacements at the
George Washington
Elementary School**



**100 Orchard Street
White Plains NY, 10604**

66-22-00-01-0-009-017

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ELECTRICAL CONSTRUCTION**

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SHEET TITLE

**ELECTRICAL PARTIAL SECOND
FLOOR HVAC POWER PLAN**

DRAWING No.

E 110.00

CONSULTANTS:

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PROJECT NO: WPSD2113	DATE: JANUARY 2023	SCALE:	AS SHOWN

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White Plains City School District

UV Replacements at the George Washington Elementary School

100 Orchard Street
White Plains NY, 10604

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ELECTRICAL CONSTRUCTION

STATUS

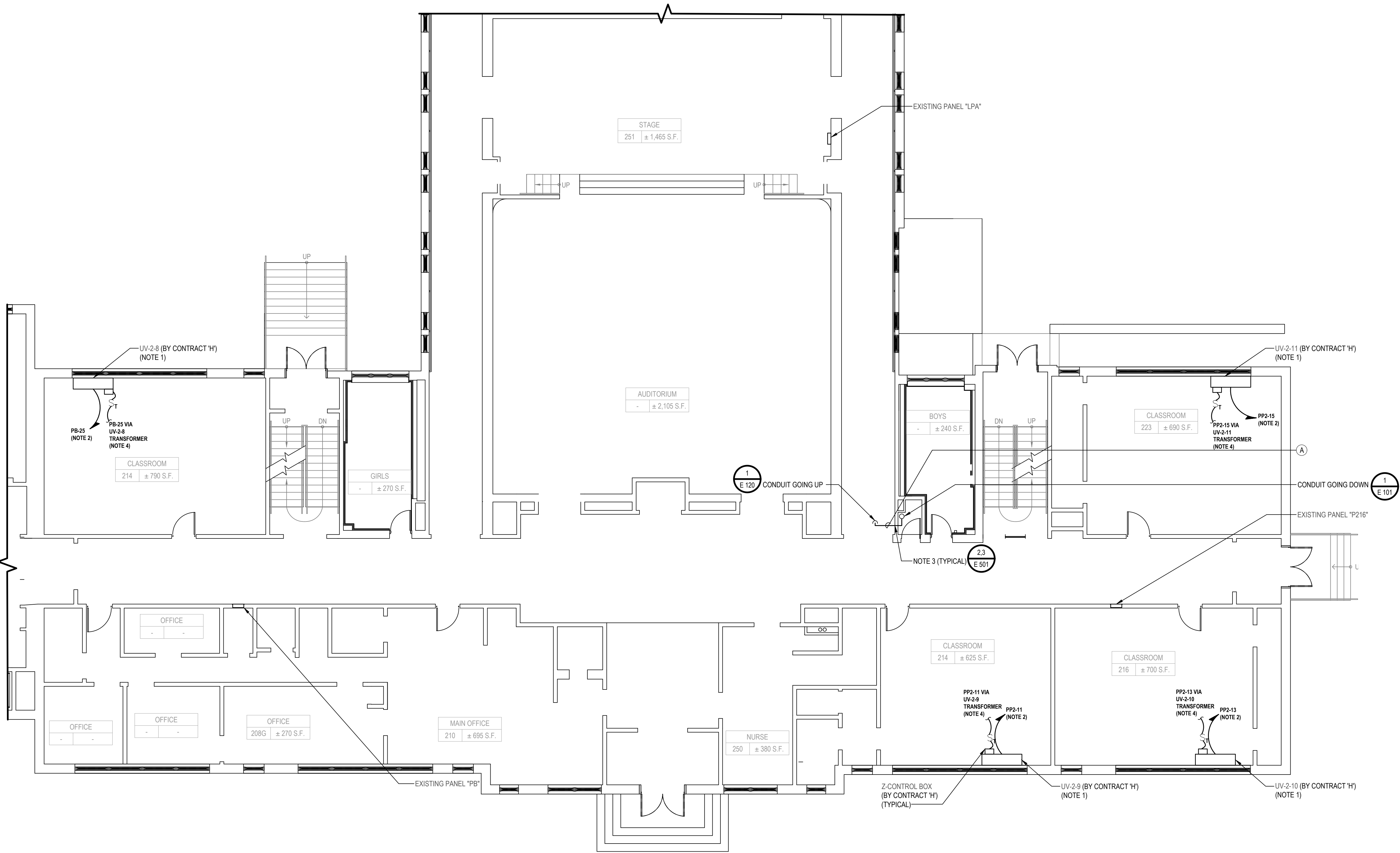
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SHEET TITLE

ELECTRICAL PARTIAL SECOND FLOOR HVAC POWER PLAN

DRAWING No.

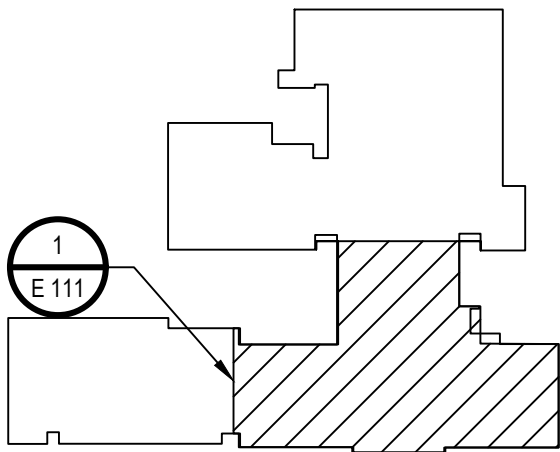
E 111.00



1 Electrical Partial Second Floor HVAC Power Plan
SCALE: 1/8"=1'-0"

- ELECTRICAL GENERAL NOTE:
- G1. REFER TO FEEDER SCHEDULE ON SHEET E 501 FOR WIRE AND CONDUIT SIZES.
- G2. CONTRACTOR SHALL NOTE THAT ALL CONDUITS SHALL BE INSTALLED ABOVE DROP CEILING.

- ELECTRICAL KEY NOTES:
1. MANUFACTURER PROVIDED DISCONNECT SWITCH.
2. CONTRACTOR SHALL PROVIDE AND INSTALL A NEW 15A/1P CIRCUIT BREAKER IN EXISTING PANEL. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AS REQUIRED. NEW CIRCUIT BREAKER SHALL BE LISTED/LABELED FOR USE IN EXISTING PANEL. AMPERE INTERRUPTING CAPACITY (AIC) RATING ON NEW CIRCUIT BREAKER SHALL MATCH OR EXCEED EXISTING PANEL RATING.
3. CONTRACTOR SHALL CORE/DRILL WALL AND FLOOR AS REQUIRED. INSTALL NON SHRINK GROUT/FIREPROOFING SEALANT FOR ALL CONDUIT PENETRATIONS. RESTORE ALL FINISH TO MATCH EXISTING.
4. CONTRACTOR SHALL NOTE TRANSFORMER IS PROVIDED FOR Z CONTROL BOX IN THE ASSOCIATED UNIT VENTILATOR. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRE AND CONDUIT AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM. REFER TO CONTRACT 'H' DRAWINGS FOR ADDITIONAL INFORMATION.



Key Plan
SCALE: NTS

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PROJECT No.: WPSD2113	DATE: JANUARY 2023	SCALE: AS SHOWN	

White Plains City School District

UV Replacements at the George Washington Elementary School



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SHEET TITLE

ELECTRICAL PARTIAL SECOND FLOOR HVAC POWER PLAN

DRAWING No.

E 112.00



1. MANUFACTURER PROVIDED DISCONNECT SWITCH.
2. CONTRACTOR SHALL CUT BLOCK / PLASTER WALL AS REQUIRED TO RECESS NEW CONDUIT ABOVE EXISTING RECESSED MOUNTED PANEL. PATCH, PRIME AND PAINT WALL TO MATCH EXISTING.
3. CONTRACTOR SHALL PROVIDE AND INSTALL A NEW 15A/1P CIRCUIT BREAKER IN EXISTING PANEL. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AS REQUIRED. NEW CIRCUIT BREAKER SHALL BE LISTED/LABELED FOR USE IN EXISTING PANEL. AMPERE INTERRUPTING CAPACITY (AIC) RATING ON NEW CIRCUIT BREAKER SHALL MATCH OR EXCEED EXISTING PANEL RATING.
4. CONTRACTOR SHALL NOTE TRANSFORMER IS PROVIDED FOR Z CONTROL BOX IN THE ASSOCIATED UNIT VENTILATOR. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRE AND CONDUIT AS REQUIRED FOR A FULL FUNCTIONING SYSTEM. REFER TO CONTRACT 'T' DRAWINGS FOR ADDITIONAL INFORMATION.



CONSULTANTS:		

MARK	DATE	DESCRIPTION

STATE OF NEW YORK
JAMES WOODWARD
No. 12585
ELECTRICAL ENGINEER

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PROJECT NO.: WPSD2113	DATE: JANUARY 2023	SCALE:	AS SHOWN

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White Plains City School District

UV Replacements at the George Washington Elementary School

White Plains Public Schools

REAL LIFE LEARNING

100 Orchard Street
White Plains NY, 10604

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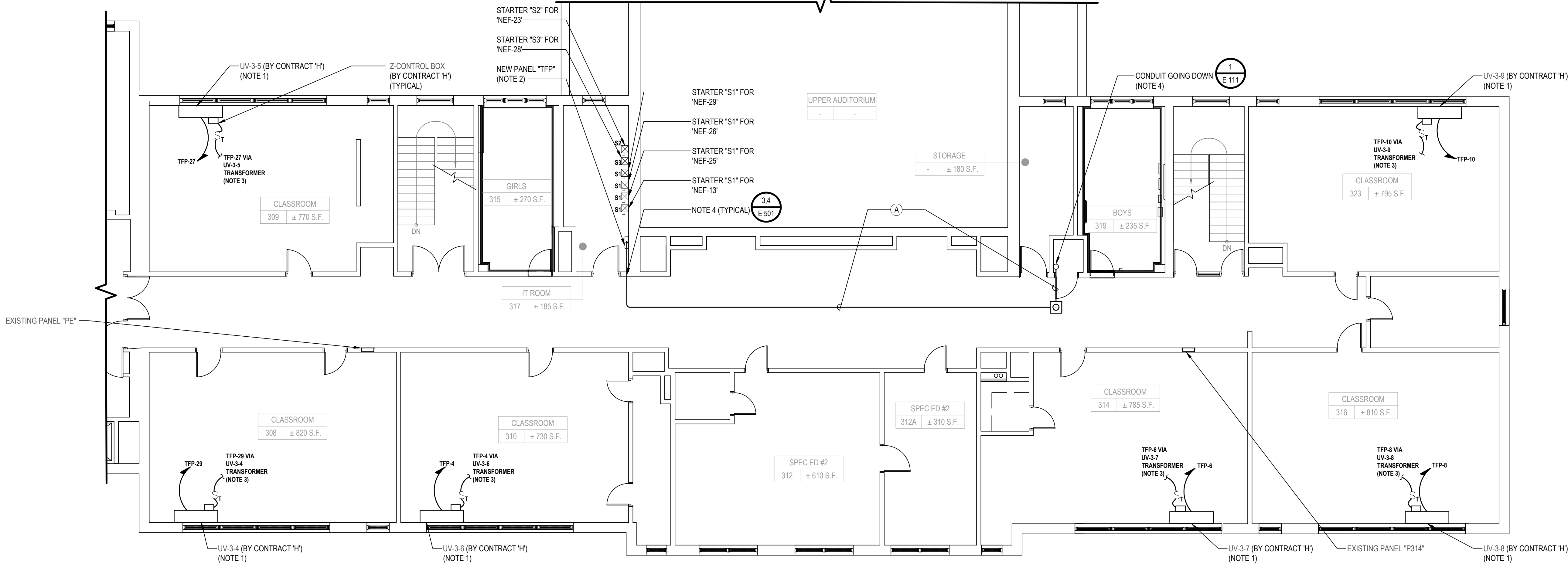
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SHEET TITLE

ELECTRICAL PARTIAL THIRD FLOOR HVAC POWER PLAN

DRAWING No.

E 120.00



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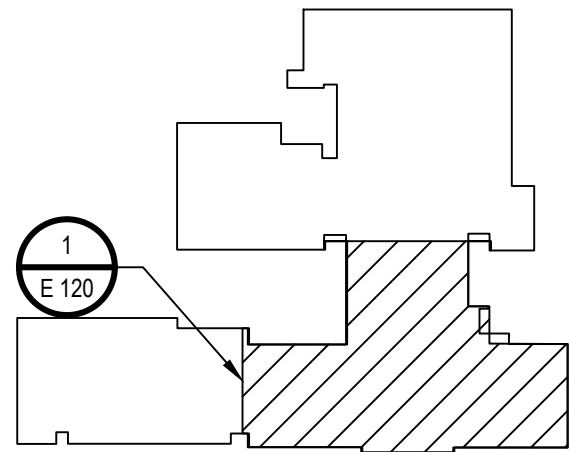
Electrical Partial Third Floor HVAC Power Plan

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

N

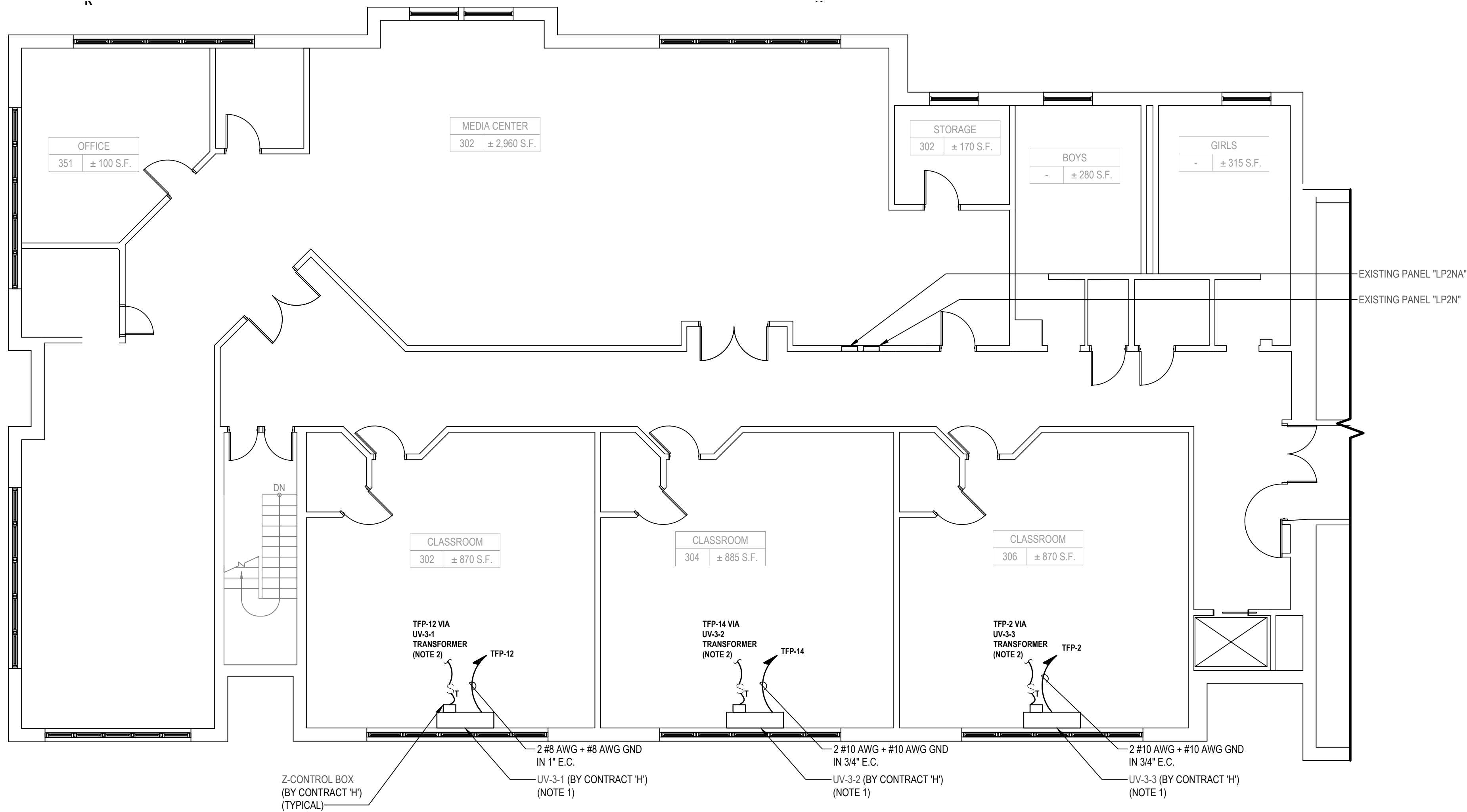
- ELECTRICAL GENERAL NOTE:**
- G1. REFER TO FEEDER SCHEDULE ON SHEET E 501 FOR WIRE AND CONDUIT SIZES.
- G2. CONTRACTOR SHALL NOTE THAT ALL CONDUITS SHALL BE INSTALLED ABOVE DROP CEILING.

- ELECTRICAL KEY NOTES:**
1. MANUFACTURER PROVIDED DISCONNECT SWITCH.
2. CONTRACTOR SHALL COORDINATE WITH SCHOOL DISTRICT FOR THE REMOVAL AND RELOCATION OF EXISTING FILE CABINET ON THIS WALL.
3. CONTRACTOR SHALL NOTE TRANSFORMER IS PROVIDED FOR Z CONTROL BOX IN THE ASSOCIATED UNIT VENTILATOR. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRE AND CONDUIT AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM. REFER TO CONTRACT "H" DRAWINGS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR SHALL COREDRILL WALL AND FLOOR AS REQUIRED. INSTALL NON SHRINK GROUT/FIREPROOFING SEALANT FOR ALL CONDUIT PENETRATIONS. RESTORE ALL FINISH TO MATCH EXISTING.



Key Plan
SCALE: NTS

X:\WPSP\White Plains Central School District - 10501\WPSP 2113 - GYM UV Replacements\02-BIM\CADD\Drawings\Electrical\13 Electrical\Partial Third Floor HVAC Power Plan.dwg Last Modified: Jan 11, 2023 - 11:14am By mggja



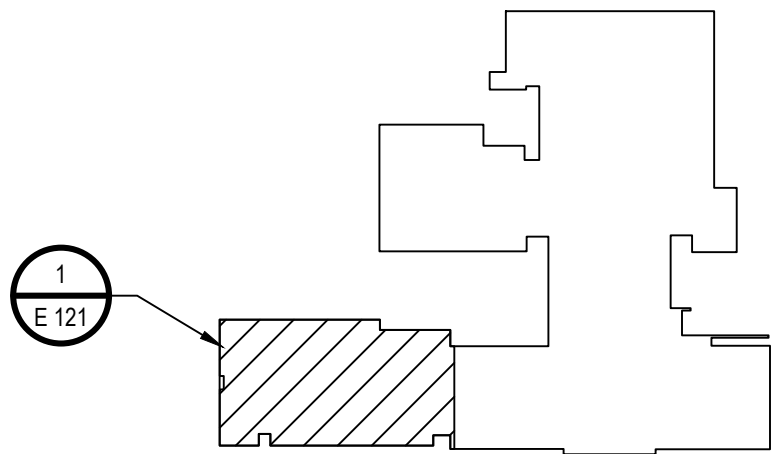
1 Electrical Partial Third Floor HVAC Power Plan
SCALE: 1/8"=1'-0"

ELECTRICAL GENERAL NOTE:

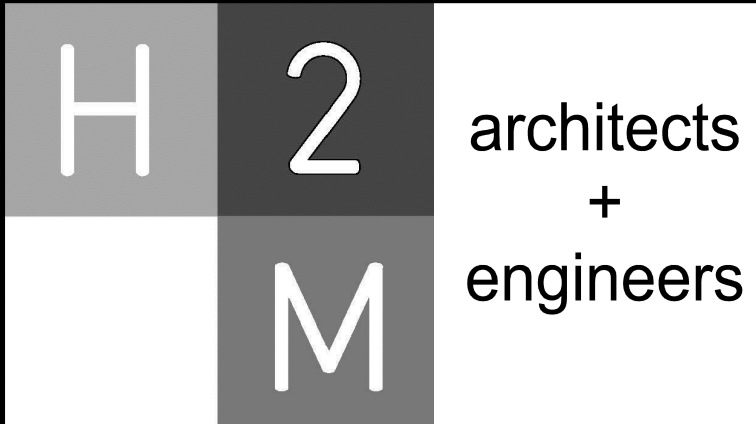
1. REFER TO DRAWING E 120 FOR LOCATION OF PANEL "TFP".

ELECTRICAL KEY NOTES:

1. MANUFACTURER PROVIDED DISCONNECT SWITCH.
2. CONTRACTOR SHALL NOTE TRANSFORMER IS PROVIDED FOR Z CONTROL BOX IN THE ASSOCIATED UNIT VENTILATOR. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRE AND CONDUIT AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM. REFER TO CONTRACT 'H' DRAWINGS FOR ADDITIONAL INFORMATION.



Key Plan
SCALE: NTS



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White Plains City School District

UV Replacements at the George Washington Elementary School



100 Orchard Street
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SHEET TITLE
ELECTRICAL PARTIAL THIRD FLOOR HVAC POWER PLAN
DRAWING No.
E 121.00

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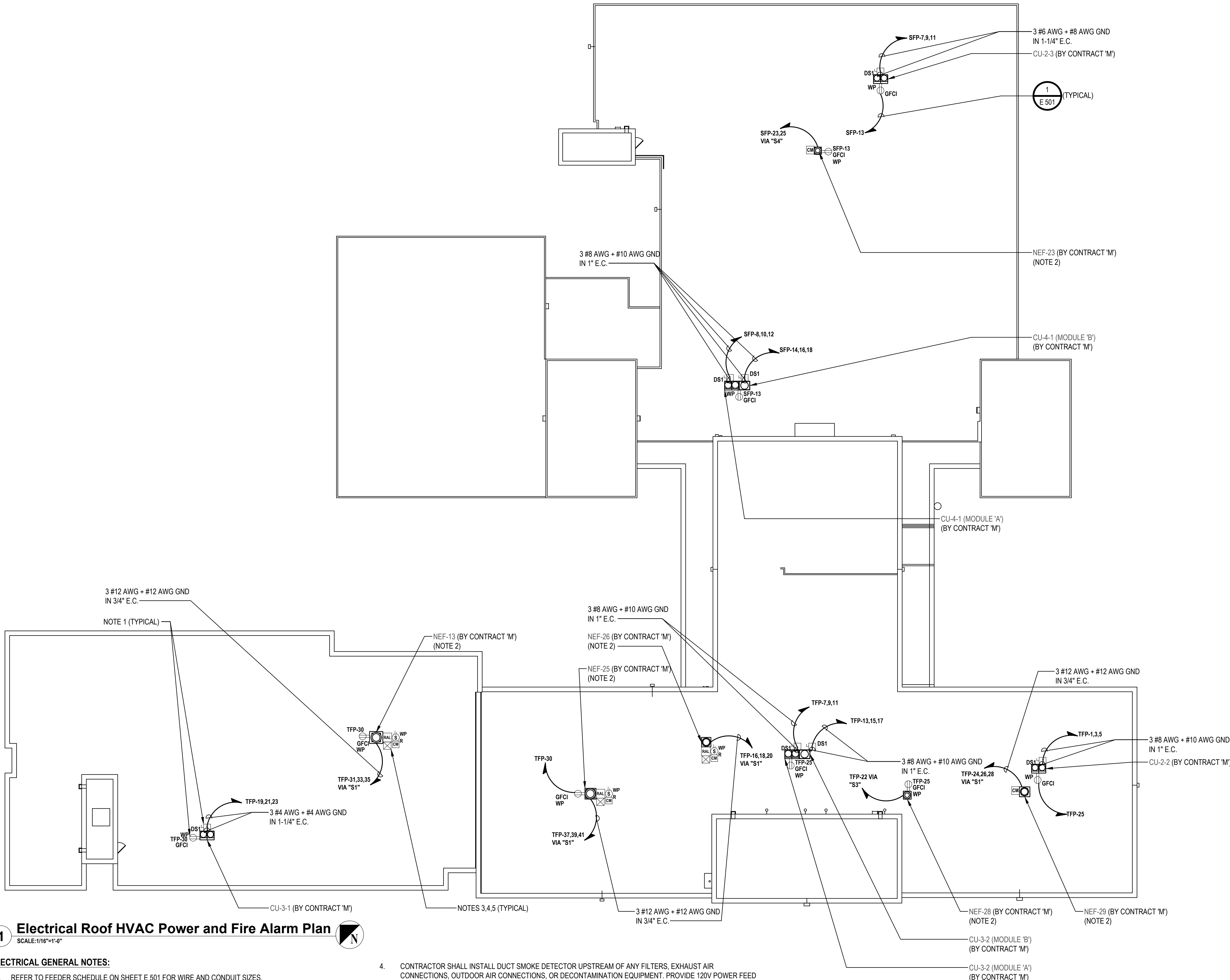
FINAL BID DOCUMENT

SHEET TITLE

ELECTRICAL ROOF HVAC POWER
AND FIRE ALARM PLAN

DRAWING No.

E 130.00



1 Electrical Roof HVAC Power and Fire Alarm Plan
SCALE: 1/16"=1'-0"

ELECTRICAL GENERAL NOTES:

- REFER TO FEEDER SCHEDULE ON SHEET E 501 FOR WIRE AND CONDUIT SIZES.
- CONTRACTOR SHALL NOTE CONDENSING UNITS CONSISTS OF MULTIPLE MODULES WITH DIFFERENT ELECTRICAL REQUIREMENT. VERIFY EXACT LOCATION OF MODULES WITH CONTRACT 'H' PRIOR TO TERMINATING EACH CIRCUITS.

ELECTRICAL KEY NOTES:

- CONTRACTOR SHALL PROVIDE AND INSTALL A CHANNEL SUPPORT SYSTEM AS REQUIRED TO MOUNT DISCONNECT SWITCH AND RECEPTACLE FROM THE ROOF CURBS SUPPORTING THE CONDENSING UNIT OR EXHAUST FAN SUCH THAT THE UNIT'S MANUFACTURES WARRANTY IS NOT VOIDED. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AND ACCESSORIES AS REQUIRED. PROVIDE ALL CLEARANCES TO THE HVAC UNIT AS REQUIRED.
- MANUFACTURER PROVIDED DISCONNECT SWITCH. PROVIDE AND INSTALL ALL WIRE AND CONDUIT AS REQUIRED TO TERMINATE EQUIPMENT VIA FACTORY SHIPPED DISCONNECT SWITCH.
- CONTRACTOR SHALL PROVIDE AND INSTALL NEW FIRE ALARM DEVICES AND ALL NECESSARY EQUIPMENT TO MAKE A PROPER CONNECTION TO EXISTING FIRE ALARM CONTROL PANEL "FACP" USING MANUFACTURER'S RECOMMENDED WIRING IN 3/4" E.C. CONTRACTOR SHALL PROVIDE AND EXTEND POWER/DATA FEEDS TO NEW FIRE ALARM DEVICE LOCATION. REFER TO FLOOR PLANS FOR APPROXIMATE LOCATION OF EXISTING FACP. PROVIDE AND INSTALL ALL EXPANSION CARDS, WIRE, CONDUIT, RELAYS, POWER SUPPLIES, BATTERIES, EXTENDERS, PROGRAMMING, MOUNTING HARDWARE, AND JUNCTION BOXES AS REQUIRED. TYPICAL OF ALL FIRE ALARM DEVICES.

- CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTOR UPSTREAM OF ANY FILTERS, EXHAUST AIR CONNECTIONS, OUTDOOR AIR CONNECTIONS, OR DECONTAMINATION EQUIPMENT. PROVIDE 120V POWER FEED FROM NEAREST CIRCUIT SERVICING CONVENIENCE RECEPTACLES FOR HEATED ENCLOSURE. PROVIDE AND INSTALL REMOTE ALARM LAMP ON FINISHED CEILING BELOW FOR ALL DUCT SMOKE DETECTORS INSTALLED ABOVE CEILINGS OR ON ROOFS.
- CONTRACTOR SHALL PROVIDE AND INSTALL NEW ADDRESSABLE SHUTDOWN CONTROL MODULES, ASSOCIATED RELAYS, STARTERS, WIRE AND CONDUIT AS REQUIRED TO INTEGRATE NEW HVAC EQUIPMENT WITH FIRE ALARM SYSTEM. NEW HVAC EQUIPMENT TO BE INTERCONNECTED TO THE FIRE ALARM SYSTEM AND SHUT DOWN UPON FIRE ALARM SYSTEM ACTIVATION. INTERFACE WITH DESIGNATED UNITS.

UV Replacements at the George Washington Elementary School



CONTRACT E
ELECTRICAL CONSTRUCTION

FINAL BID DOCUMENT

ELECTRICAL PANEL SCHEDULES

E 500.00

Panel Wiring Schedule (3-Phase)														
Panelboard	<u>PB (EXISTING)</u>	Voltage	<u>120/208</u>	Phase	<u>3</u>	Wire	<u>4</u>	A/C Rating	<u>EXISTING</u>					
Manufacturer	<u>SIEMENS</u>	Mains	<u>MLO</u>	Mains Rating	<u>250A</u>									
Panel Type	<u>P1</u>	Mounting	<u>RECESSED</u>		Options	<u>-</u>		Note	<u>-</u>					
NEMA Type Enclosure <u>P1</u>														

LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	CONNECTED LOAD			CIRC NO.	A	B	C	NO	CONNECTED LOAD			TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION
			VOLT								VOLT					
			AMPERES								AMPERES					
			ØA	ØB	ØC						ØA	ØB	ØC			
EXISTING		20A/1P	-	-	-	1				1	20A/1P	-	-	-		EXISTING
EXISTING		20A/1P	-	-	-	3				4	20A/1P	-	-	-		EXISTING
EXISTING		20A/1P	-	-	-	5				6	20A/1P	-	-	-		EXISTING
EXISTING		20A/1P	-	-	-	7				8	20A/1P	-	-	-		EXISTING
EXISTING		20A/1P	-	-	-	9				10	20A/1P	-	-	-		EXISTING
EXISTING		20A/1P	-	-	-	11				12	20A/1P	-	-	-		EXISTING
EXISTING		20A/1P	-	-	-	13				14	20A/1P	-	-	-		EXISTING
EXISTING		20A/1P	-	-	-	15				16	20A/1P	-	-	-		EXISTING
EXISTING		20A/1P	-	-	-	17				18	20A/1P	-	-	-		EXISTING
EXISTING		20A/2P	-	-	-	19				20	20A/2P	-	-	-		EXISTING
EXISTING		20A/1P	-	-	-	21				22	20A/1P	-	-	-		EXISTING
UV-2-4, Z-CONTROL BOX		15A/1P	725	-	-	23				24	15A/1P	725	-	-		UV-2-9, Z-CONTROL BOX
UV-3-11, Z-CONTROL BOX		15A/1P	-	725	-	25				26	-	-	725	-		SPACE
UV-2-10, Z-CONTROL BOX		15A/1P	-	-	725	29				30	-	-	-	-		SPACE

Connected Totals:

ØA EXISTING KVA

ØB EXISTING KVA

ØC EXISTING KVA

(All Phases to be balanced to within 7% using Actual Load Totals.)

Total EXISTING KVA EXISTING Amperes

Breaker Options:

- AS - Powerlink AS Breaker
- LO - Handle lock-off device
- ST - Shunt Trip Type
- AUX - Auxiliary Contacts
- PA - Handle Padlock Attachment
- GFO - Ground Fault Circuit Interrupter
- HACR - Heating, A/C & Refrigeration
- SF - Subfeed
- TC - Time Clock Control

Panel Wiring Schedule (3-Phase)														
Panelboard	<u>PB (EXISTING)</u>	Voltage	<u>120/208</u>	Phase	<u>3</u>	Wire	<u>4</u>	AIC Rating	<u>EXISTING</u>					
Manufacturer	<u>SIEMENS</u>	Mains	<u>MLO</u>	Mains Rating	<u>250A</u>									
Panel Type	<u>P1</u>	Mounting	<u>RECESSED</u>		Options	<u>-</u>		Note	<u>-</u>					
NEMA Type Enclosure	<u>1</u>													

LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	CONNECTED LOAD			NO.	A	B	C	NO.	CONNECTED LOAD			NO.	TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION
			VOLT AMPERES								VOLT AMPERES						
			ØA	ØB	ØC						ØA	ØB	ØC				
EXISTING		20A/1P	-	-	-	1				2	-	-	-	20A/1P		EXISTING	
EXISTING		20A/1P	-	-	-	3				4	-	-	-	20A/1P		EXISTING	
EXISTING		20A/1P	-	-	-	5				6	-	-	-	20A/1P		EXISTING	
EXISTING		20A/1P	-	-	-	7				8	-	-	-	20A/1P		EXISTING	
EXISTING		20A/1P	-	-	-	9				10	-	-	-	20A/1P		EXISTING	
EXISTING		20A/1P	-	-	-	11				12	-	-	-	20A/1P		EXISTING	
EXISTING		20A/1P	-	-	-	13				14	-	-	-	20A/1P		EXISTING	
EXISTING		20A/1P	-	-	-	15				16	-	-	-	20A/1P		EXISTING	
EXISTING		20A/1P	-	-	-	17				18	-	-	-	20A/1P		EXISTING	
EXISTING		20A/1P	-	-	-	19				20	-	-	-	20A/2P		EXISTING	
EXISTING		20A/1P	-	-	-	21				22	-	-	-	20A/1P		EXISTING	
EXISTING		20A/1P	-	-	-	23				24	-	-	-	20A/1P		EXISTING	
UV-2-8, Z-CONTROL BOX		15A/1P	125	-	-	25				26	-	-	-	SPACE		SPACE	
SPACE		-	-	-	-	27				28	-	-	-	SPACE		SPACE	
SPACE		-	-	-	-	29				30	-	-	-	SPACE		SPACE	

Connected Totals:

ØA EXISTING KVA

ØB EXISTING KVA

ØC EXISTING KVA

(All Phases to be balanced to within 7% using Actual Load Totals.)

Total EXISTING KVA EXISTING Amperes

Breaker Options:

- AS - Powerlink AS Breaker
- LO - Handle lock-off device
- ST - Shunt Trip
- AUX - Auxiliary Contacts
- PA - Handle Padlock Attachment
- GFCI - Ground Fault Circuit Interrupter
- HACR - Heating, A/C & Refrigeration
- SF - Subfeed
- TC - Time Clock Control

Panel Wiring Schedule (3-Phase)																				
Panelboard	_____ TFP	Voltage	_____ 120/208	Phase	_____ 3	Wire	_____ 4	A/C Rating	_____ 42,000											
Manufacturer	_____ SIEMENS	Mains	_____ 250A MCB	Mains Rating	_____ 250A															
Panel Type	_____ P2	Mounting	_____ SURFACE	Options	_____ -	Note	_____ -													
NEMA Type Enclosure	_____ 1																			
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	CONNECTED LOAD				NO.	A	B	C	NO.	CIRCUIT	CONNECTED LOAD				TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION	
			VOLT AMPERES										VOLT AMPERES							
			Ø A	Ø B	Ø C	Ø 4							Ø A	Ø B	Ø C	Ø 4				
CU-2-2	HACR	45A/3P	4359	4359	4359	4359	1						2	725	725	725	15A/1P		1	UV-3-3, Z-CONTROL BOX
							3						4				15A/1P		2	UV-3-6, Z-CONTROL BOX
							5						6				15A/1P		3	UV-3-7, Z-CONTROL BOX
							7						8	725	725	725	15A/1P		4	UV-3-8, Z-CONTROL BOX
CU-3-2 (MODULE 'A')	HACR	45A/3P	4359	4359	4359	4359	8						10	725	725	725	15A/1P		5	UV-3-9, Z-CONTROL BOX
							9						11				15A/1P		6	UV-3-1, Z-CONTROL BOX
							10						12				15A/1P		7	UV-3-2, Z-CONTROL BOX
							11						13	725	725	725	15A/1P		8	
CU-3-2 (MODULE 'B')	HACR	35A/3P	3314	3314	3314	3314	12						14	725	725	725	15A/1P		9	
							13						15				15A/3P		10	NEF-26
							14						16	432	432	432	15A/3P		11	
							15						17				15A/3P		12	
CU-3-1	HACR	45A/3P	4359	4359	4359	4359	16						18	432	342	432	15A/1P		13	NEF-28
							17						19				15A/3P		14	
							18						20	432	432	432	15A/3P		15	NEF-29
							19						21							



2 Partial Single Line Diagram (Note 1)

1. NOT ALL EXISTING CIRCUITS ARE SHOWN IN EXISTING AND NEW PARTIAL SINGLE LINE DIAGRAM FOR CLARITY PURPOSES. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.



MOTOR STARTER SCHEDULE					
IDENTIFICATION	NEMA SIZE	VOLTS / PHASE	ENCLOSURE TYPE	DISCONNECT AMPS / POLE	ACCESSORIES
S1	0	208 / 3Ø	NEMA 1	15 / 3	H-O-A SWITCH, RUN AND OVERLOAD LIGHT
S2	0	208 / 3Ø	NEMA 1	15 / 2	H-O-A SWITCH, RUN AND OVERLOAD LIGHT
S3	0	120 / 1Ø	NEMA 1	15 / 1	H-O-A SWITCH, RUN AND OVERLOAD LIGHT

DRAWING No. **E 501.00**