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CONSULTANTS:

MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT

SED PROJECT CONTROL NUMBER 66-22-00-01-0-016-028

CONTRACT H - HEATING, VENTILATION, AIR CONDITIONING WORK
CONTRACT E - ELECTRICAL CONSTRUCTION WORK

WHITE PLAINS CITY SCHOOL DISTRICT
WHITE PLAINS HIGH SCHOOL UNIT VENTILATOR REPLACEMENTS
550 NORTH STREET
WHITE PLAINS, NY 10605

ABBREVIATIONS

AB	Anchor Bolt	FIN	Finish
A/C	Air Conditioning	FR	Fire Retardant
ACI	American Concrete Institute	FTG	Footing
ACST	Acoustic	GA	Gauge
ACT	Acoustical Ceiling Tile	GWB	Gypsum Wall Board
ACU	Air Conditioning Unit	GYP	Gypsum
AD	Access Door	HC	Handicapped
ADJ	Adjustable	GYP, BD.	Gypsum Board
A/E	Architect/Engineer	HM	Hollow Metal
AFF	Above Finish Floor	HOR	Horizontal
ALUM	Aluminum	HW	Hot Water
ANCH	Anchor	INSUL	Insulation/Insulating
ANSI	American National Standards Institute	INT	Interior
APA	Access Panel	LAV	Lavatory
APPROX	Approximately	LDR	Leader
ASPH	Asphalt	LT	Light
ASTM	American Society for Testing & Materials	LT	Light
AWS	American Welding Society	MAX	Maximum
B	Fire Blanket	MECH	Mechanical
BAL	Balance	MISC	Miscellaneous
BB	Bulletin Board	MO	Masonry Opening
BD	Board	MR	Moisture Resistant
BLDG	Building	NIC	Not in Contract
BLK	Block	NTS	Not to Scale
BLKG	Blocking	OC	On Center
BM	Beam	OD	Outside Diameter
B.O.	Bottom Of	PLYWD	Plywood
BOL	Bottom Of Lintel	PSF	Pounds per Square Foot
BOT	Bottom	PSI	Pounds per Square Inch
CEIL	Ceiling	PTD	Painted
CEM	Cement	PVC	Polyvinyl Chloride
CER	Ceramic	R	Radius or Riser
CLO	Closet	RCP	Reflected Ceiling Plan
CMU	Concrete Masonry Unit	RD	Roof Drain
COL	Column	REINF	Reinforced
CONC	Concrete	RM	Room
CONST	Construction	RO	Rough Opening
CONT	Continuous	SIM	Similar
CORR	Corridor	SPEC	Specifications
CPT	Carpet	SS	Square
DS	Downspout	STL	Stainless Steel
DW	Dishwasher	TEMP	Temperature
DWG	Drawing	TER	Terrazzo
EA	Each	THK	Thick
EL	Elevation	TYP	Typical
ELEC	Electric/Electrical	UTL	Utility
ELEV	Elevator	VB	Vapor Barrier
EP	Electrical Panel	VCT	Vinyl Composition Tile
EPY	Epoxy Coating	VERT	Vertical
EQ	Equal	VTR	Vent Thru Roof
EQUIP	Equipment	WC	Water Closet
EXIST	Existing	WH	Water Heater
EXST	Exhaust	WWF	Welded Wire Fabric
FAI	Fresh Air Intake		
F.C.	Fire Code		
FD	Floor Drain		

GENERAL NOTES

ALL WORK SHALL COMPLY WITH THE NEW YORK STATE FIRE PREVENTION AND BUILDING CODE AS WELL AS THE NEW YORK STATE EDUCATION DEPARTMENT MANUAL OF PLANNING STANDARDS.

ALL NOTES APPEARING HEREIN, WITH THOSE ON VARIOUS DRAWINGS SHALL APPLY TO ALL DRAWINGS AND FORM PART OF THE CONTRACT DOCUMENTS.

IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL DIMENSIONS, SQUARE FOOTAGES, LOCATIONS AND QUANTITIES OF ALL ITEMS AND/OR SPACES WHETHER INDICATED IN THE DRAWINGS OR NOT.

DO NOT SCALE MEASURE ANY DRAWING. VERIFY THE FIGURES, DIMENSIONS AND DESIGN INTENTION SHOWN ON THE DRAWINGS BEFORE BEGINNING LAYOUT OF THE WORK AND REPORT ANY ERRORS, INACCURACIES, OR CONFLICTS TO THE ARCHITECT/ENGINEER IN WRITING BEFORE BEGINNING ANY WORK.

ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, LAWS AND STATUTES AS REQUIRED. STRICTLY ADHERE TO MANUFACTURER'S PRINTED INSTRUCTIONS.

VERIFY EXACT LAYOUT COMPATIBILITY WITH ALL EXISTING CONDITIONS BEFORE BEGINNING WORK.

DISTURB ONLY THOSE AREAS OF THE SITE AFFECTED BY RENOVATION, UNLESS NOTED OTHERWISE. PROTECT ALL OTHER AREAS. CONTRACTORS SHALL BE RESPONSIBLE FOR ALL PATCH AND REPAIR OF EXISTING FINISHES WHICH ARE DAMAGED DURING CONSTRUCTION.

EACH CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ANSI AND PROVIDE WHERE APPLICABLE ADA COMPLIANT BUILDING COMPONENTS.

THE OWNER RESERVES THE RIGHT AT ALL TIMES TO DELIVER, PLACE AND INSTALL EQUIPMENT AND FURNISHINGS AS THE WORK PROGRESSES SO LONG AS THERE IS NOT A CONFLICT WITH THE CONTRACTORS.

THE CONTRACTOR SHALL MAINTAIN AT THE SITE ONE RECORD COPY OF ALL DRAWINGS, SPECIFICATIONS AND APPROVED SHOP DRAWINGS AND APPROVED SAMPLES MARKED CURRENTLY TO RECORD ALL CHANGES DURING CONSTRUCTION.

ANY CHANGES TO THE SCOPE OF WORK OR IN THE CONSTRUCTION DETAILS, WHETHER DUE TO FIELD CONDITIONS OR OMISSION SHALL BE DOCUMENTED BY THE ARCHITECT PRIOR TO EXECUTION. ANY INCREASE OR DECREASE IN THE CONTRACT PRICE MUST BE APPROVED IN WRITING PRIOR TO EXECUTION.

THE SCOPE OF WORK INCLUDES POOL REPAIRS, ELECTRICAL SERVICE UPGRADES, BOILER REPLACEMENT, UPGRADES HVAC, AND UPGRADES TO THE SECURITY VESTIBULE INCLUDING: STOREFRONT AND DOORS.

DRAWING LIST

INFORMATIONAL DRAWINGS	
G.000.00	GENERAL NOTES, MAPS, DRAWING LIST, STAGING PLAN, EXIT PLAN & LEGENDS
G100.00A	BUILDING 'A' & BUILDING 'C' EXISTING GROUND FLOOR PLAN
G101.00A	BUILDING 'A' & BUILDING 'C' EXISTING FIRST FLOOR PLAN
G102.00A	BUILDING 'A' EXISTING SECOND FLOOR PLAN
G100.00B	BUILDING 'B' EXISTING GROUND FLOOR PLAN
G101.00B	BUILDING 'B' EXISTING FIRST FLOOR PLAN
G102.00B	BUILDING 'B' EXISTING SECOND FLOOR PLAN
G100.00C	BUILDING 'C' EXISTING GROUND FLOOR PLAN
G101.00C	BUILDING 'C' EXISTING FIRST FLOOR PLAN
G102.00C	BUILDING 'C' EXISTING LOWER FLOOR PLAN
G103.00A	BUILDING 'E' EXISTING GROUND FLOOR PLAN
G103.00B	BUILDING 'E' & BUILDING 'F' EXISTING POOL FLOOR PLAN AND PARTIAL BASEMENT FLOOR PLAN
G103.00C	BUILDING 'E' & BUILDING 'F' EXISTING GYM FLOOR PLAN
HVAC DRAWINGS	
M001.00	MECHANICAL GENERAL NOTES AND LEGENDS
MD100.00	MECHANICAL DEMOLITION GROUND FLOOR PLAN BUILDING C PARTS A & C
MD101.00	MECHANICAL DEMOLITION GROUND FLOOR PLAN BUILDING C PART B
MD102.00	MECHANICAL DEMOLITION GROUND FLOOR PLAN BUILDING G
MD110.00	MECHANICAL DEMOLITION FIRST FLOOR PLAN BUILDING A
MD111.00	MECHANICAL DEMOLITION FIRST FLOOR PLAN BUILDING C PARTS A & C
MD112.00	MECHANICAL DEMOLITION FIRST FLOOR PLAN BUILDING C PART B
MD113.00	MECHANICAL DEMOLITION FIRST FLOOR PLAN BUILDING G PARTS A & C
MD114.00	MECHANICAL DEMOLITION FIRST FLOOR PLAN BUILDING G PART B
MD120.00	MECHANICAL DEMOLITION SECOND FLOOR PLAN BUILDING A
M100.00	MECHANICAL GROUND FLOOR PLAN BUILDING C PARTS A & C
M101.00	MECHANICAL GROUND FLOOR PLAN BUILDING C PART B
M102.00	MECHANICAL GROUND FLOOR PLAN BUILDING G
M103.00	MECHANICAL GROUND FLOOR PLAN BUILDINGS C & G COURTYARD AREAS
M104.00	MECHANICAL GROUND FLOOR PLAN BUILDING A COURTYARD AREAS
M110.00	MECHANICAL FIRST FLOOR PLAN BUILDING A
M111.00	MECHANICAL FIRST FLOOR PLAN BUILDING C PARTS A & C
M112.00	MECHANICAL FIRST FLOOR PLAN BUILDING C PART B
M113.00	MECHANICAL FIRST FLOOR PLAN BUILDING G PARTS A & C
M114.00	MECHANICAL FIRST FLOOR PLAN BUILDING G PART B
M120.00	MECHANICAL SECOND FLOOR PLAN BUILDING A
M500.00	MECHANICAL DETAILS
M600.00	MECHANICAL SCHEDULES (1 OF 2)
M601.00	MECHANICAL SCHEDULES (2 OF 2)
ELECTRICAL DRAWINGS	
E001.00	ELECTRICAL LEGENDS
ED100.00	ELECTRICAL PARTIAL GROUND FLOOR DEMOLITION PLAN (BUILDING C)
ED101.00	ELECTRICAL PARTIAL FIRST FLOOR DEMOLITION PLAN (BUILDING C)
ED102.00	ELECTRICAL PARTIAL FLOORS DEMOLITION PLANS (BUILDING G)
ED103.00	ELECTRICAL PARTIAL FLOORS DEMOLITION PLANS (BUILDING A)
E100.00	ELECTRICAL PARTIAL GROUND FLOOR HVAC AND POWER PLAN (BUILDING C)
E101.00	ELECTRICAL PARTIAL FIRST FLOOR HVAC AND POWER PLAN (BUILDING C)
E102.00	ELECTRICAL PARTIAL FLOORS HVAC AND POWER PLANS (BUILDING G)
E103.00	ELECTRICAL PARTIAL FLOORS HVAC AND POWER PLANS (BUILDING A)
E200.00	ELECTRICAL PARTIAL GROUND FLOOR POWER PLAN (BUILDING A AND C)
E500.00	ELECTRICAL SCHEDULES AND DETAILS

STAGING PLAN

EXISTING GRASS AREA

EXISTING GRASS AREA

EXISTING GRASS AREA

EXISTING GRASS AREA

EXISTING GRASS AREA

EXISTING ASPHALT PARKING LOT

DAMMAN HOUSE

WHITE PLAINS HIGH SCHOOL

8'-0" HIGH TEMPORARY CHAIN LINKED FENCING WITH (2) 5'-0" WIDE DOUBLE SWING GATES AROUND AREAS OF WORK, COORDINATE WITH OWNER FOR EXACT LOCATION.

EXISTING ASPHALT PARKING LOT

SYMBOLS
▲ STAFF ENTRANCE / EGRESS

RENOVATION OF INTERIOR FINISHES WORK IS SCHEDULED TO BE COMPLETED DURING THE SUMMER RECESS WHEN SCHOOL IS NOT IN SESSION AND THEREFORE WILL NOT HAVE AN IMPACT ON STUDENT ENTRANCE/EXIT EGRESS.

STAGING NOTES

- POST SIGNS INDICATING CONSTRUCTION AREA AND CONSTRUCTION EMPLOYEE ENTRANCE.
- CONSTRUCTION FENCE TO BE 8'-0" HIGH CHAIN LINK FENCE LOCATED A MINIMUM OF 15'-0" FROM ALL WINDOW OPENINGS. ALL GATES ARE TO BE LOCKED AT ALL TIMES, EXCEPT FOR WHEN A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.
- CONTRACTOR IS TO STAGE ON THE SITE IN SUCH A MANNER AS TO NOT BLOCK OR ENCR OACH UPON EXISTING EXITS/ENTRANCES TO BUILDING, AND VEHICLE ACCESS.

LOCATION MAPS

SYMBOLS LEGEND

NAME	ROOM DESIGNATION		
NO.	S.F.		
3	A4.2	SECTION MARK	GYPSUM
1	A2.0	DETAIL SYMBOL	CONCRETE
3	A4.2	ELEVATION KEY	AGGREGATE SUB-BASE
3	A1.1	INTERIOR ELEVATION REFERENCE	EARTH
2		ELEVATION LINE	BATT INSULATION
2		REVISION	PLYWOOD
2		PARTITION TYPE	RIGID INSULATION
			STEEL
			WOOD
			WOOD BLOCKING

UNIFORM SAFETY STANDARDS - FOR SCHOOL CONSTRUCTION AND MAINTENANCE PROJECTS

- "THE OCCUPIED PORTION OF ANY SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY."
- SPECIFIC AREAS HAVE BEEN TESTED AND FOUND NOT TO CONTAIN ASBESTOS AS DESCRIBED IN THE PROJECT. A COPY OF THE REPORT CAN BE VIEWED AT THE DISTRICT OFFICE LOCATED AT 5 HOMESIDE LANE, WHITE PLAINS, NY 10605
- "GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS:

ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.

(1) FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.

(2) GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.

(3) DURING EXTERIOR RENOVATION WORK, OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SIGNS TO PREVENT ENTRY.

WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES."
- "SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES: CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPARATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR A VAPOR, FINE DUST OR AIR INFILTRATION BARRIER, AND SHALL NOT BE USED TO SEPARATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.

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(2) LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.

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"THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINATES PRODUCED BY WELDING, GASOLINE OR DIESEL ENGINES, ROOFING, PAVING, PAINTING, ETC. TO ENSURE THEY DO NOT ENTER OCCUPIED PORTIONS OF THE BUILDING OR AIR INTAKES." ALL VENTS SHALL BE SEALED TO PREVENT CONTAMINANTS FROM THE CONSTRUCTION AREA FROM ENTERING THE OCCUPIED AREAS OF THE BUILDING.
- "THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF-GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNITURE, CARPETING, WALL COVERING, DRAPERY, ETC. ARE SCHEDULED, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE A SPACE CAN BE OCCUPIED."
- "LARGE AND SMALL ASBESTOS ABATEMENT PROJECTS AS DEFINED BY 12NYCRR56 SHALL NOT BE PERFORMED WHILE THE BUILDING IS OCCUPIED." IT IS OUR INTERPRETATION THAT THE TERM "BUILDING", AS REFERENCED IN THIS SECTION, MEANS A WING OR MAJOR SECTION OF A BUILDING THAT CAN BE COMPLETELY ISOLATED FROM THE REST OF THE BUILDING WITH SEALED NON COMBUSTIBLE CONSTRUCTION. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION AND VENTILATION SYSTEMS MUST BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.
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MINOR ASBESTOS PROJECTS DEFINED BY 12NYCRR56 AS AN ASBESTOS PROJECT INVOLVING THE REMOVAL, DISTURBANCE, REPAIR, ENCAPSULATION, ENCLOSURE OR HANDLING OF 10 SQUARE FEET OF ASBESTOS OR ASBESTOS MATERIAL MAY BE PERFORMED IN UNOCCUPIED AREAS OF AN OCCUPIED BUILDING IN ACCORDANCE WITH 12NYCRR56.

NONE OF THE SURFACES AND/OR MATERIALS TO BE REMOVED OR DISTURBED BY THIS RENOVATION ARE SUSPECT OF CONTAINING LEAD.
- UNDER NEW YORK STATE LAW SMOKING IS PROHIBITED ON SCHOOL GROUNDS. EMPLOYEES FOUND TO BE SMOKING ON SCHOOL GROUNDS SHALL BE ORDERED OFF SITE AND A SECOND OFFENSE WILL BE GROUNDS FOR PERMANENT REMOVAL FROM PROJECT. LEGAL PENALTIES MAY ALSO BE APPLIED.

ALL CONTRACTORS SHALL TAKE EVERY PRECAUTION AND SHALL PROVIDE SUCH EQUIPMENT AND FACILITIES AS ARE NECESSARY OR REQUIRED FOR THE SAFETY OF ITS EMPLOYEES. IN CASE OF AN ACCIDENT, FIRST AID SHALL BE ADMINISTERED TO ANY WHO MAY BE INJURED IN THE PROGRESS OF THE WORK. IN ADDITION, THE CONTRACTOR SHALL BE PREPARED FOR THE REMOVAL TO THE HOSPITAL FOR TREATMENT OF ANY EMPLOYEE EITHER SERIOUSLY INJURED OR ILL.

THE CONTRACTOR FOR GENERAL CONSTRUCTION SHALL PROVIDE TEMPORARY WEATHER-TIGHT AND INSULATED ENCLOSURES AS MAY BE REQUIRED BY THE SCOPE OF WORK FOR ALL EXTERIOR OPENINGS SO AS TO PROTECT ALL WORK FROM THE WEATHER, AND TO PROVIDE SECURITY AGAINST UNAUTHORIZED ENTRY. ENCLOSURES SHALL NOT CREATE DEAD END CONDITIONS, REQUIRED EXITS SHALL BE MAINTAINED FREE AND CLEAR.

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- "LARGE AND SMALL ASBESTOS ABATEMENT PROJECTS AS DEFINED BY 12NYCRR56 SHALL NOT BE PERFORMED WHILE THE BUILDING IS OCCUPIED." IT IS OUR INTERPRETATION THAT THE TERM "BUILDING", AS REFERENCED IN THIS SECTION, MEANS A WING OR MAJOR SECTION OF A BUILDING THAT CAN BE COMPLETELY ISOLATED FROM THE REST OF THE BUILDING WITH SEALED NON COMBUSTIBLE CONSTRUCTION. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION AND VENTILATION SYSTEMS MUST BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.
- EXTERIOR WORK SUCH AS ROOFING, FLASHING, SIDING, OR SOFFIT WORK MAY BE PERFORMED ON OCCUPIED BUILDINGS PROVIDED PROPER VARIANCES ARE IN PLACE AS REQUIRED, AND COMPLETE ISOLATION OF VENTILATION SYSTEMS AND AT WINDOWS IS PROVIDED. CARE MUST BE TAKEN TO SCHEDULE WORK SO THAT CLASSES ARE NOT INTERRUPTED BY NOISE OR VISUAL DISTRACTION.

MINOR ASBESTOS PROJECTS DEFINED BY 12NYCRR56 AS AN ASBESTOS PROJECT INVOLVING THE REMOVAL, DISTURBANCE, REPAIR, ENCAPSULATION, ENCLOSURE OR HANDLING OF 10 SQUARE FEET OF ASBESTOS OR ASBESTOS MATERIAL MAY BE PERFORMED IN UNOCCUPIED AREAS OF AN OCCUPIED BUILDING IN ACCORDANCE WITH 12NYCRR56.

NONE OF THE SURFACES AND/OR MATERIALS TO BE REMOVED OR DISTURBED BY THIS RENOVATION ARE SUSPECT OF CONTAINING LEAD.
- UNDER NEW YORK STATE LAW SMOKING IS PROHIBITED ON SCHOOL GROUNDS. EMPLOYEES FOUND TO BE SMOKING ON SCHOOL GROUNDS SHALL BE ORDERED OFF SITE AND A SECOND OFFENSE WILL BE GROUNDS FOR PERMANENT REMOVAL FROM PROJECT. LEGAL PENALTIES MAY ALSO BE APPLIED.

ALL CONTRACTORS SHALL TAKE EVERY PRECAUTION AND SHALL PROVIDE SUCH EQUIPMENT AND FACILITIES AS ARE NECESSARY OR REQUIRED FOR THE SAFETY OF ITS EMPLOYEES. IN CASE OF AN ACCIDENT, FIRST AID SHALL BE ADMINISTERED TO ANY WHO MAY BE INJURED IN THE PROGRESS OF THE WORK. IN ADDITION, THE CONTRACTOR SHALL BE PREPARED FOR THE REMOVAL TO THE HOSPITAL FOR TREATMENT OF ANY EMPLOYEE EITHER SERIOUSLY INJURED OR ILL.

THE CONTRACTOR FOR GENERAL CONSTRUCTION SHALL PROVIDE TEMPORARY WEATHER-TIGHT AND INSULATED ENCLOSURES AS MAY BE REQUIRED BY THE SCOPE OF WORK FOR ALL EXTERIOR OPENINGS SO AS TO PROTECT ALL WORK FROM THE WEATHER, AND TO PROVIDE SECURITY AGAINST UNAUTHORIZED ENTRY. ENCLOSURES SHALL NOT CREATE DEAD END CONDITIONS, REQUIRED EXITS SHALL BE MAINTAINED FREE AND CLEAR.

H2architects
+
engineers

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-	02-03-23	FINAL BID DOCUMENT

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-	02-03-23	FINAL BID DOCUMENT

STATE OF NEW YORK
SEAL
099167
LICENSED PROFESSIONAL ENGINEER

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DESIGNED BY: CWP
PROJECT NO.: WPSD2110
DRAWN BY: RB
DATE: FEBRUARY 2023
CHECKED BY: CWP
SCALE: AS SHOWN
REVIEWED BY:

White Plains City School District

WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS

550 North Street
White Plains, NY 10605

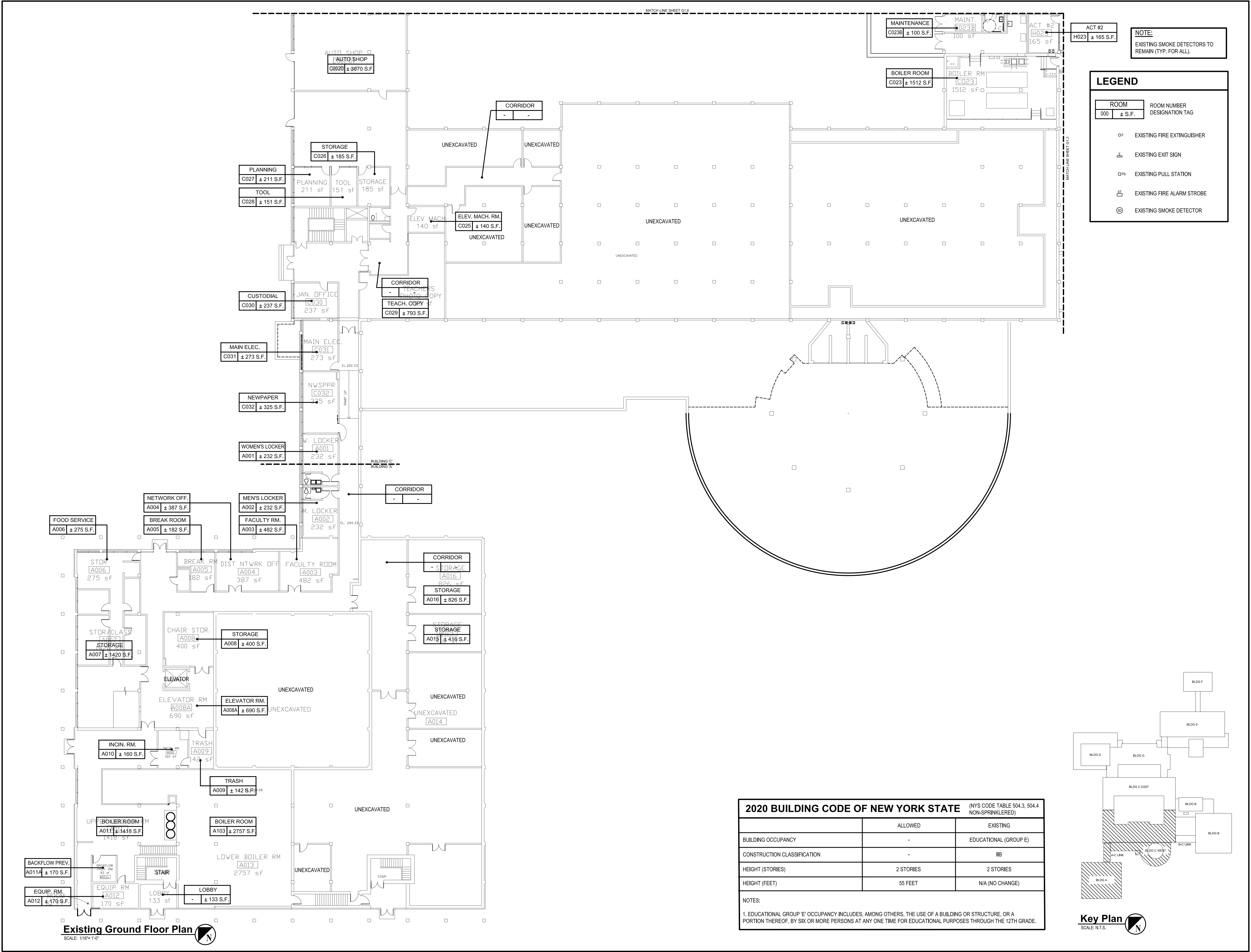
SED No. 66-22-00-01-0-16-028

ALL CONTRACTS

FINAL BID DOCUMENT

GENERAL NOTES, MAPS,
DRAWINGS LIST, STAGING
PLAN, EXIT PLAN AND LEGENDS

DRAWING No. G000.00



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STATE OF NEW YORK
BRIAN CASTELLI
LICENSED PROFESSIONAL ENGINEER
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CHECKED BY: CWP
SCALE: AS SHOWN

REVIEWED BY: -

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White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**

White Plains Public Schools
REAL LIFE LEARNING

**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT
ALL CONTRACTS

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**BUILDING 'A' & BUILDING 'C'
EXISTING GROUND FLOOR
PLAN**

DRAWING No.
G100.00a

NOTES:
1. EDUCATIONAL GROUP "E" OCCUPANCY INCLUDES, AMONG OTHERS, THE USE OF A BUILDING OR STRUCTURE, OR A PORTION THEREOF, BY SIX OR MORE PERSONS AT ANY ONE TIME FOR EDUCATIONAL PURPOSES THROUGH THE 12TH GRADE.

MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT

STATE OF NEW YORK
BRUN CASTELL
LICENSED PROFESSIONAL ENGINEER
099167

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PROJECT NO.: WPSD2110
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SCALE: AS SHOWN
REVIEWED BY: CWP

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White Plains City School District

WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS



550 North Street
White Plains, NY 10605

SED No. 66-22-00-01-0-16-028

CONTRACT

ALL CONTRACTS

STATUS

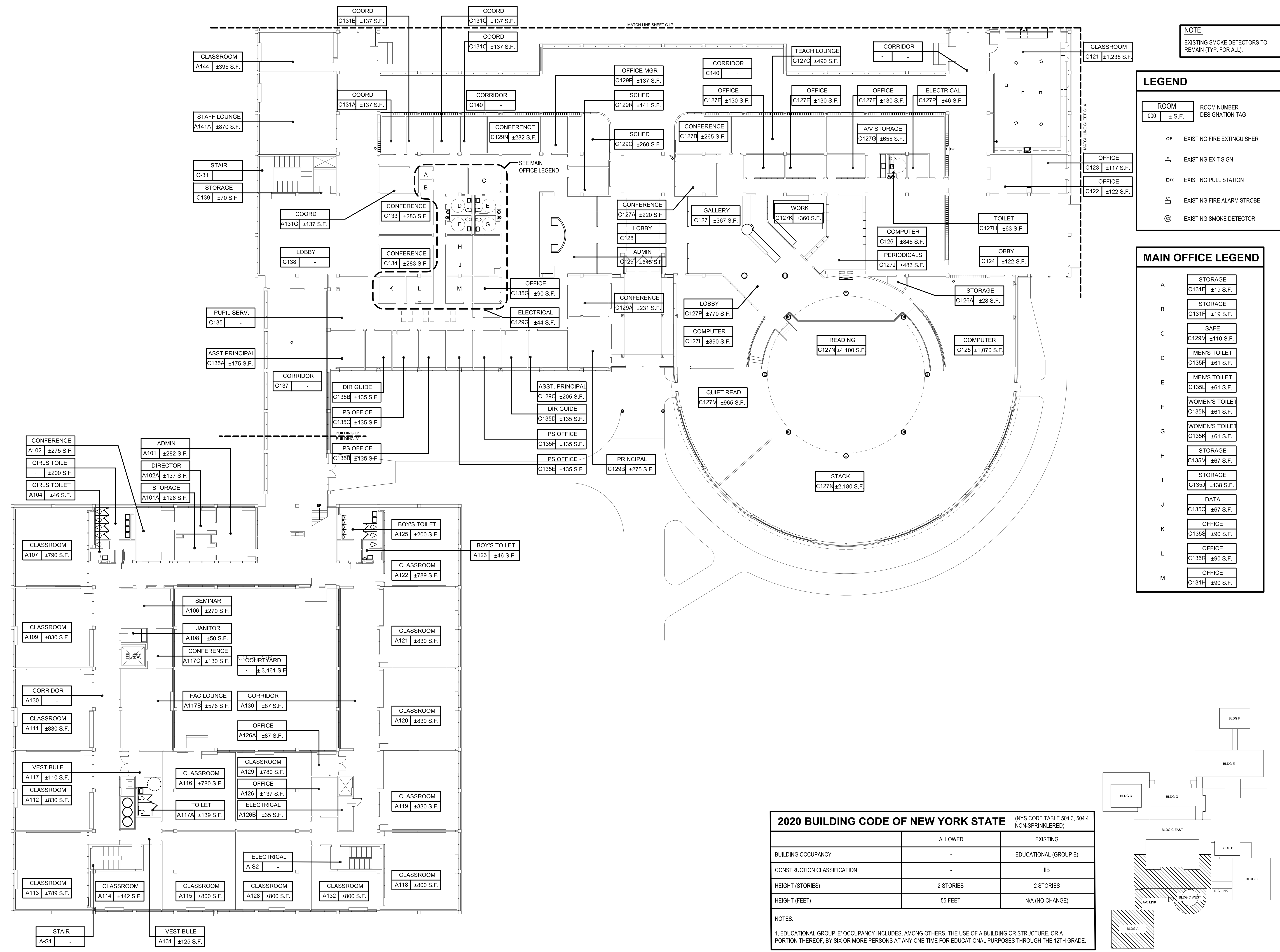
FINAL BID DOCUMENT

SHEET TITLE

BUILDING 'A' & BUILDING 'C'
EXISTING FIRST FLOOR PLAN

DRAWING No.

G101.00a



Existing First Floor Plan

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

2020 BUILDING CODE OF NEW YORK STATE			(NYS CODE TABLE 504.3, 504.4 NON-SPRINKLERED)
	ALLOWED	EXISTING	
BUILDING OCCUPANCY	-	EDUCATIONAL (GROUP E)	
CONSTRUCTION CLASSIFICATION	-	IIB	
HEIGHT (STORIES)	2 STORIES	2 STORIES	
HEIGHT (FEET)	55 FEET	N/A (NO CHANGE)	
NOTES: 1. EDUCATIONAL GROUP 'E' OCCUPANCY INCLUDES, AMONG OTHERS, THE USE OF A BUILDING OR STRUCTURE, OR A PORTION THEREOF, BY SIX OR MORE PERSONS AT ANY ONE TIME FOR EDUCATIONAL PURPOSES THROUGH THE 12TH GRADE.			

Key Plan

SCALE: N.T.S.

CONSULTANTS:		

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-	02-03-23	FINAL BID DOCUMENT

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CWP	RLB	CWP	-
PROJECT NO.:	DATE:	SCALE:	
WP5D2110	FEBRUARY 2023	AS SHOWN	

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White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**

**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT

ALL CONTRACTS

STATUS

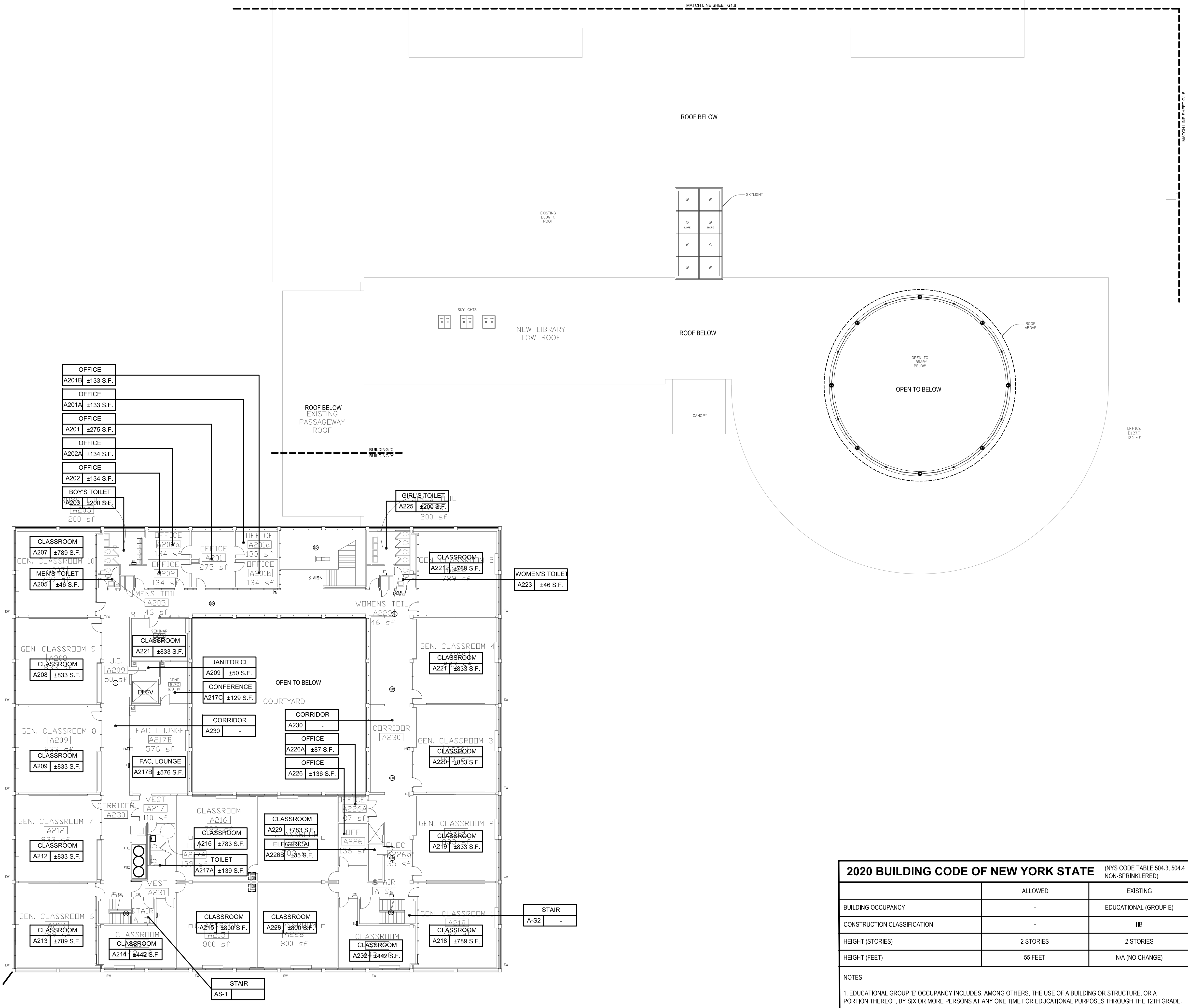
FINAL BID DOCUMENT

SHEET TITLE

**BUILDING 'A'
EXISTING SECOND FLOOR PLAN**

DRAWING No.

G102.00a



NOTE:

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

LEGEND

ROOM	ROOM NUMBER
000	± S.F.

OF

EXISTING FIRE EXTINGUISHER

EXIT

EXISTING EXIT SIGN

PS

EXISTING PULL STATION

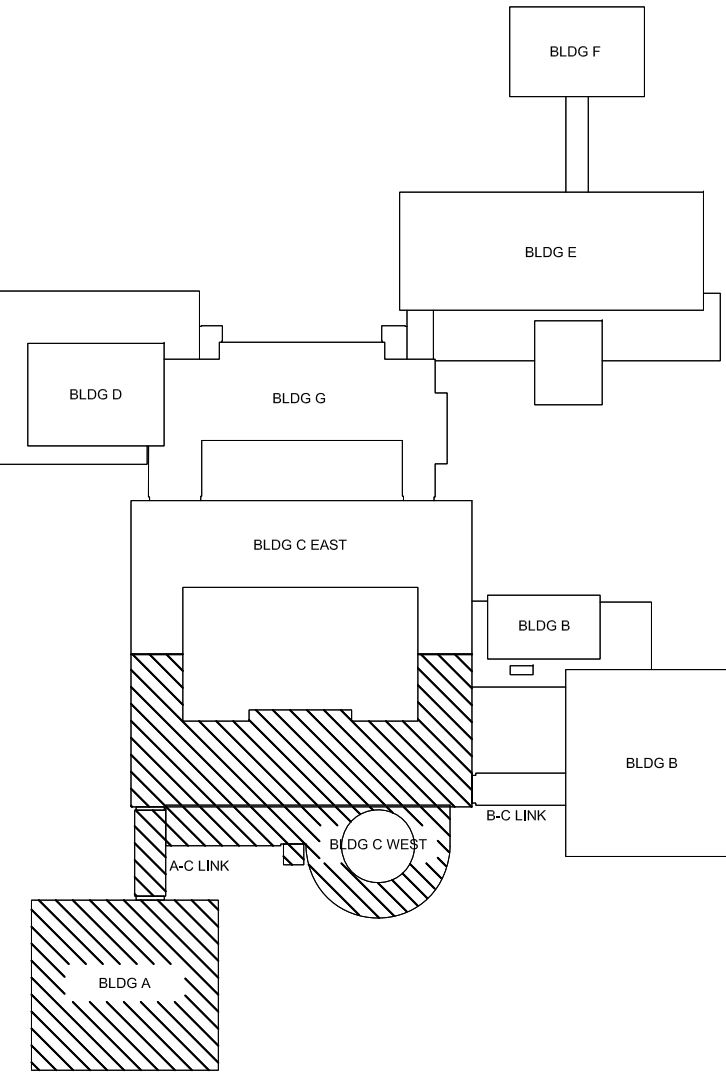
STROBE

EXISTING FIRE ALARM STROBE

SD

EXISTING SMOKE DETECTOR

2020 BUILDING CODE OF NEW YORK STATE			(NYS CODE TABLE 504.3, 504.4 NON-SPRINKLERED)
	ALLOWED	EXISTING	
BUILDING OCCUPANCY	-	EDUCATIONAL (GROUP E)	
CONSTRUCTION CLASSIFICATION	-	IIB	
HEIGHT (STORIES)	2 STORIES	2 STORIES	
HEIGHT (FEET)	55 FEET	N/A (NO CHANGE)	
NOTES:			
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Existing Second Floor Plan

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

Key Plan

SCALE: N.T.S.

\\nyc02\shared\proj\wp5d\White Plains City School District - 1055\WP5D 2110 - White Plains PS Unit Ventilator Replacement\02-Bldg-A-DDI-Con.docx general G102.00a - BUILDING 'A' EAST WING SECOND FLOOR PLAN.dwg Last Modified: Jan 25, 2023 - 10:48am Plotted on: Jan 30, 2023 - 2:28pm By: nrc04

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-	02-03-23	FINAL BID DOCUMENT

STATE OF NEW YORK
JAMES A. CASARELLI
LICENSED PROFESSIONAL ENGINEER
099167

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PROJECT NO.: WPSD2110

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CHECKED BY: CWP
SCALE: AS SHOWN

REVIEWED BY: -

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White Plains City School District

WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS

White Plains Public Schools
WP
REAL LIFE LEARNING

550 North Street
White Plains, NY 10605

SED No. 66-22-00-01-0-16-028

CONTRACT

ALL CONTRACTS

STATUS

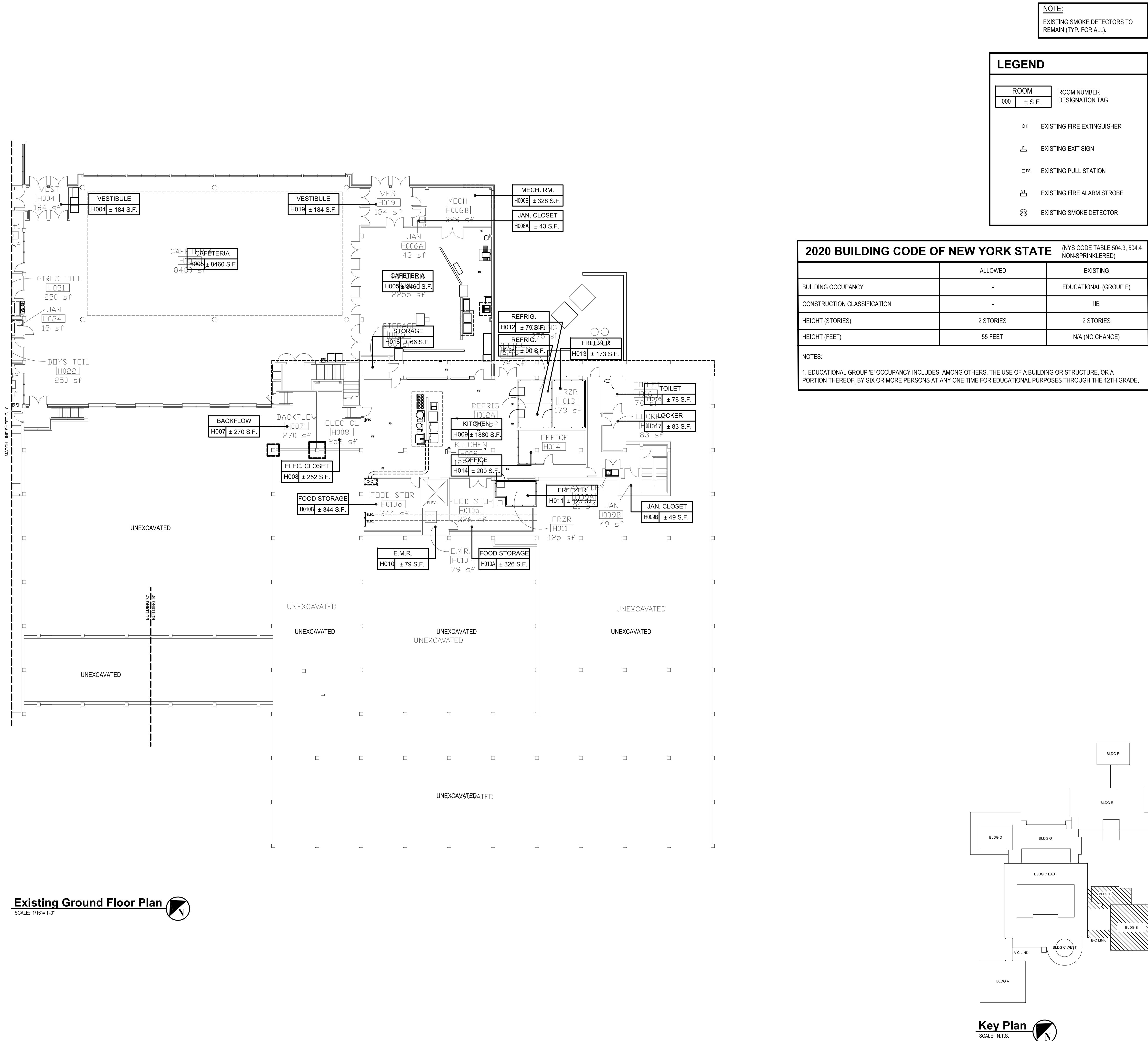
FINAL BID DOCUMENT

SHEET TITLE

BUILDING 'B'
EXISTING GROUND
FLOOR PLAN

DRAWING No.

G100.00b



EXISTING GROUND FLOOR PLAN

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

Key Plan

SCALE: N.T.S.

\\nyc02\shared\proj\WPSD\White Plains Central School District - 105\WPSD 2110 - White Plains PS Unit Ventilator Replacements\02-Bldg-B-DD Con.docx general G100.00b - BUILDING - EXISTING GROUND FLOOR PLAN.dwg Last Modified: Dec 09, 2021 - 4:21pm Plotter: cpl-j30, 2023 - 2:44pm By: nseah1

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-	02-03-23	FINAL BID DOCUMENT



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White Plains City School District

WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS



550 North Street
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SED No. 66-22-00-01-0-16-028

CONTRACT

ALL CONTRACTS

STATUS

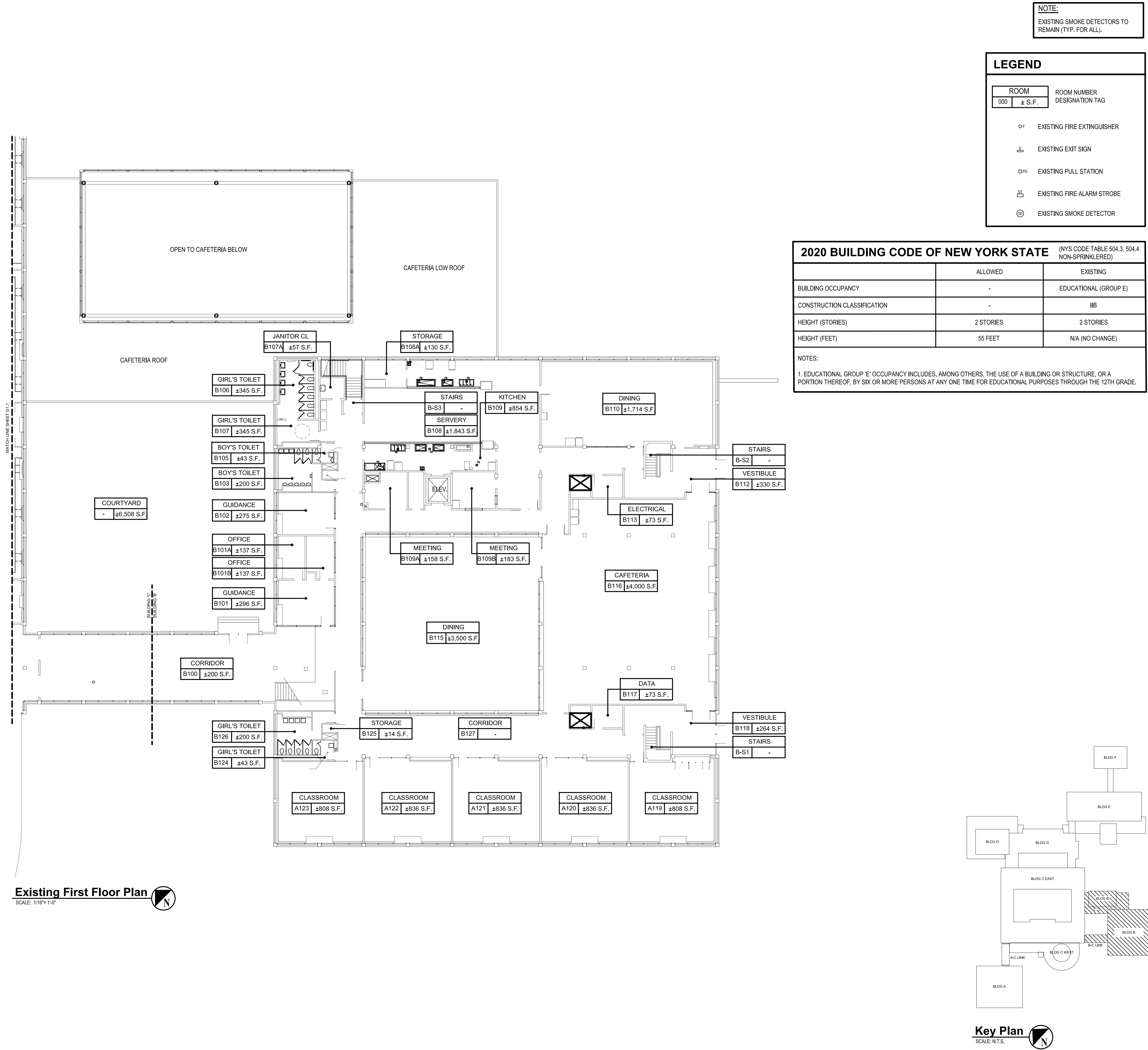
FINAL BID DOCUMENT

SHEET TITLE

BUILDING 'B'
EXISTING FIRST FLOOR PLAN

DRAWING No.

G101.00b



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PROJECT NO.: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

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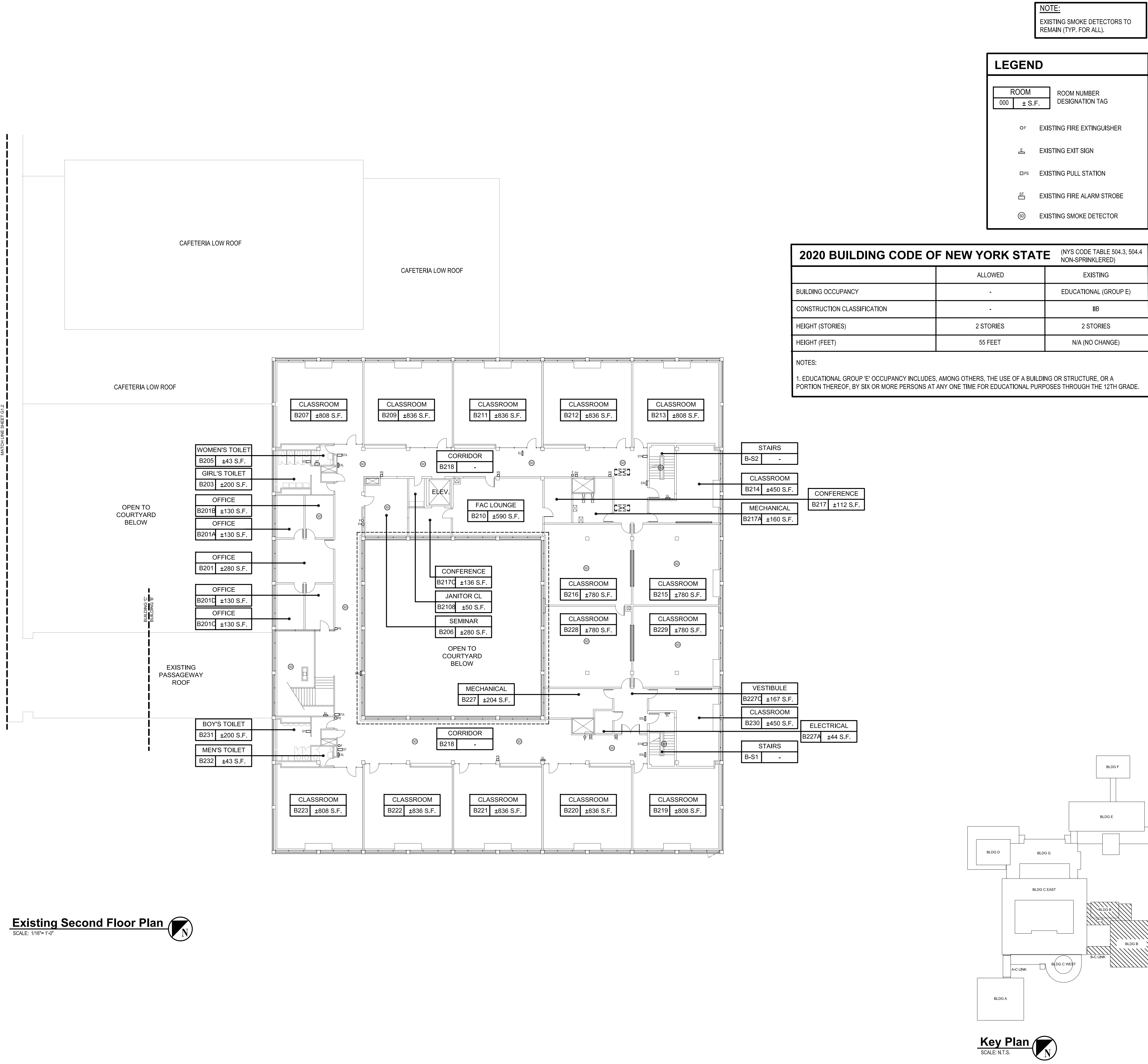
White Plains City School District

WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS

550 North Street
White Plains, NY 10605

SED No. 66-22-00-01-0-16-028

CONTRACT	ALL CONTRACTS
STATUS	FINAL BID DOCUMENT
SHEET TITLE	BUILDING 'B' EXISTING SECOND FLOOR PLAN
DRAWING No.	G102.00b



\\h2m\shared\projects\WPSD\White Plains Central School District - 1055\WPSD 2110 - White Plains PS Unit Ventilator Replacements\02-Bldg-B\Bldg-B Existing Second Floor Plan.dwg last modified: Dec 09, 2021 - 4:21pm Plotted on: Jan 30, 2023 - 2:46pm By: ncorral

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PROJECT NO.: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

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White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

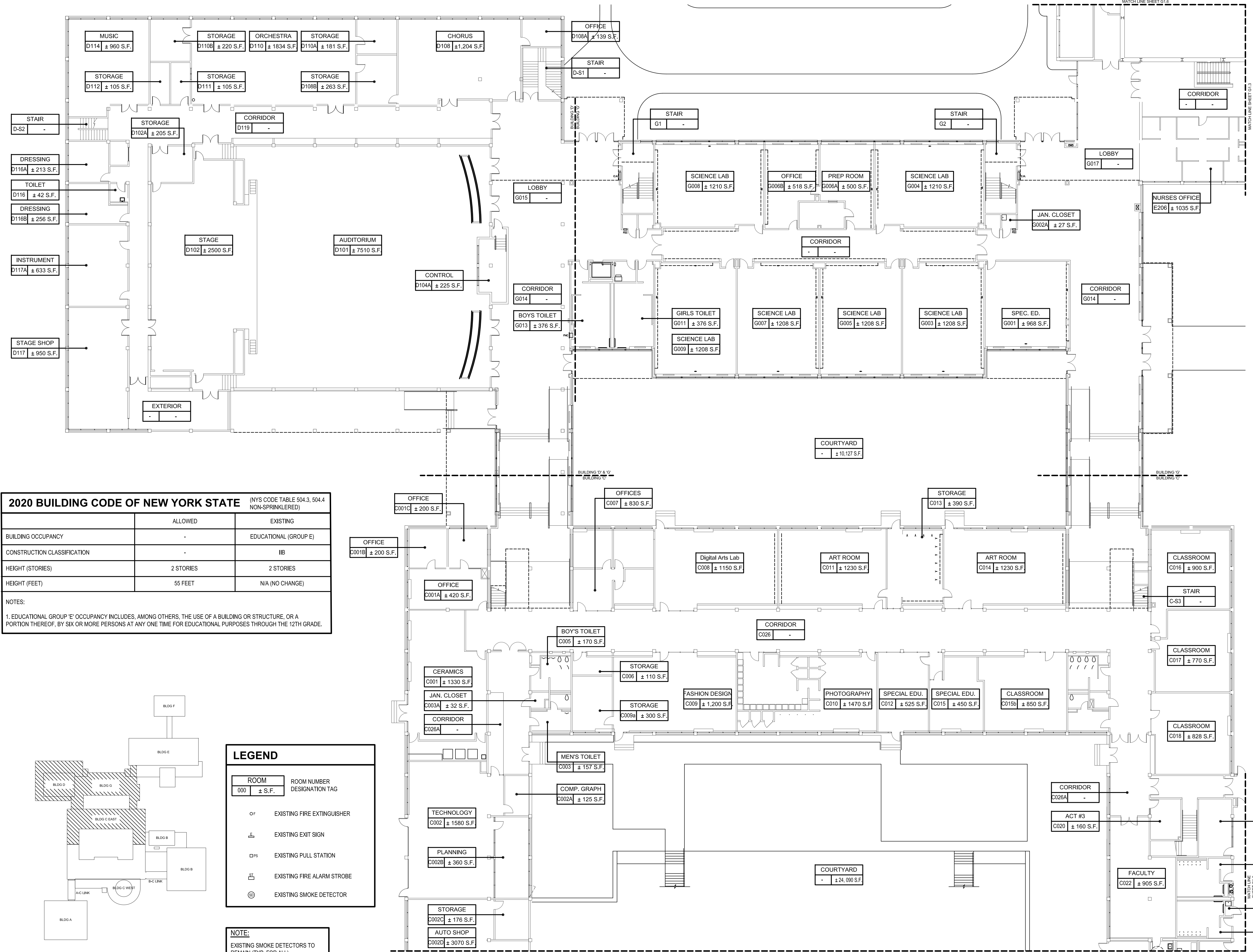
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CONTRACT
ALL CONTRACTS

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**BUILDING 'C', BUILDING 'D' &
BUILDING 'G'
EXISTING GROUND FLOOR PLAN**

DRAWING No.
G102.00a



2020 BUILDING CODE OF NEW YORK STATE (NYS CODE TABLE 504.3, 504.4 NON-SPRINKLERED)		
	ALLOWED	EXISTING
BUILDING OCCUPANCY	-	EDUCATIONAL (GROUP E)
CONSTRUCTION CLASSIFICATION	-	IIB
HEIGHT (STORIES)	2 STORIES	2 STORIES
HEIGHT (FEET)	55 FEET	N/A (NO CHANGE)
NOTES: 1. EDUCATIONAL GROUP 'E' OCCUPANCY INCLUDES, AMONG OTHERS, THE USE OF A BUILDING OR STRUCTURE, OR A PORTION THEREOF, BY SIX OR MORE PERSONS AT ANY ONE TIME FOR EDUCATIONAL PURPOSES THROUGH THE 12TH GRADE.		

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

Key Plan
SCALE: N.T.S.

CONSULTANTS:		

MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT



DESIGNED BY:	CWP	DRAWN BY:	RLB	CHECKED BY:	CWP	REVIEWED BY:	-
PROJECT NO.:	WP5D2110	DATE:	FEBRUARY 2023	SCALE:	AS SHOWN		

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White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

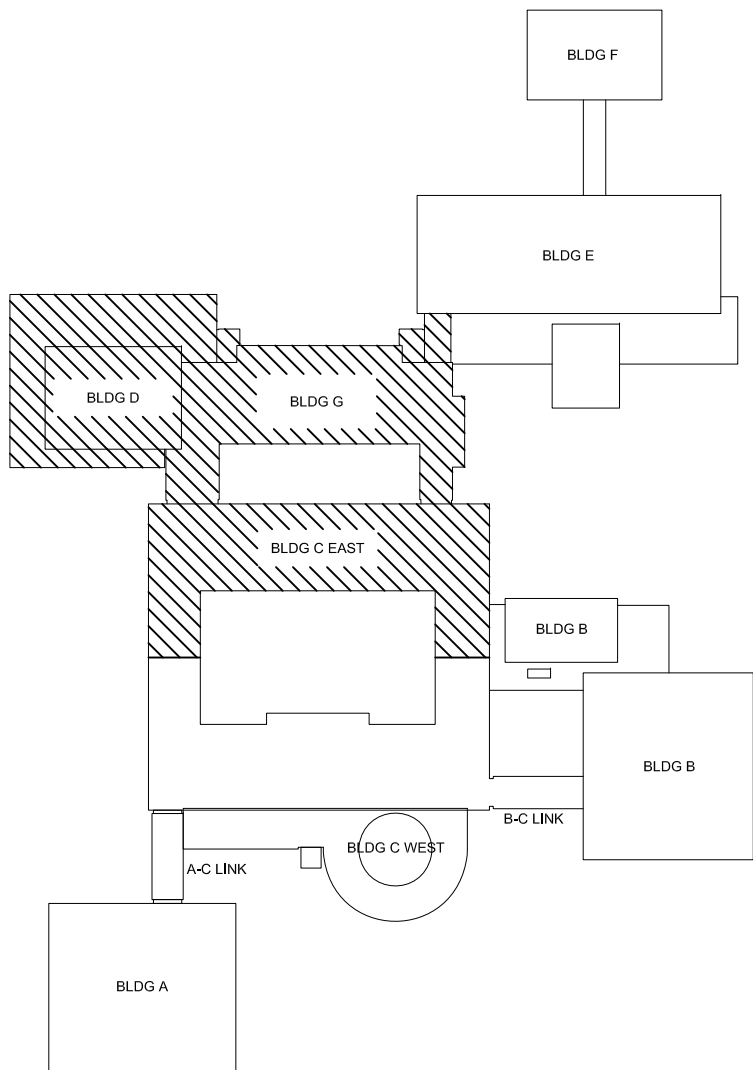
CONTRACT
ALL CONTRACTS

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**BUILDING 'C' & BUILDING 'G'
EXISTING FIRST FLOOR PLAN**

DRAWING NO.
G101.00c

2020 BUILDING CODE OF NEW YORK STATE			(NYS CODE TABLE 504.3, 504.4 NON-SPRINKLERED)
BUILDING OCCUPANCY	ALLOWED	EXISTING	
CONSTRUCTION CLASSIFICATION	-	EDUCATIONAL (GROUP E)	
HEIGHT (STORIES)	2 STORIES	2 STORIES	
HEIGHT (FEET)	55 FEET	N/A (NO CHANGE)	
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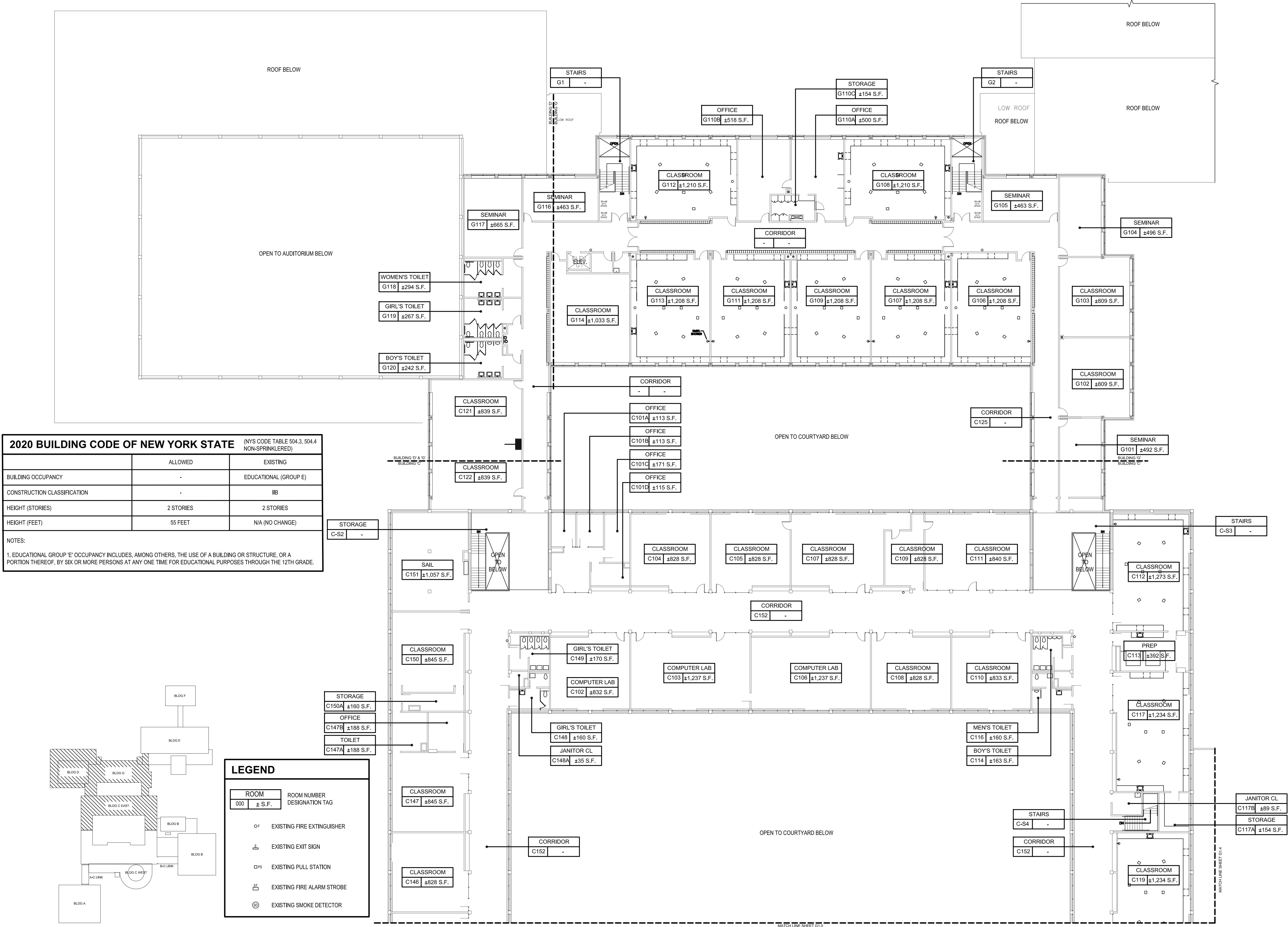


Key Plan
SCALE: N.T.S.

LEGEND	
ROOM 000 ± S.F.	ROOM NUMBER DESIGNATION TAG
OF	EXISTING FIRE EXTINGUISHER
EXIT	EXISTING EXIT SIGN
PS	EXISTING PULL STATION
ST	EXISTING FIRE ALARM STROBE
SD	EXISTING SMOKE DETECTOR


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

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



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White Plains City School District

WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS



550 North Street
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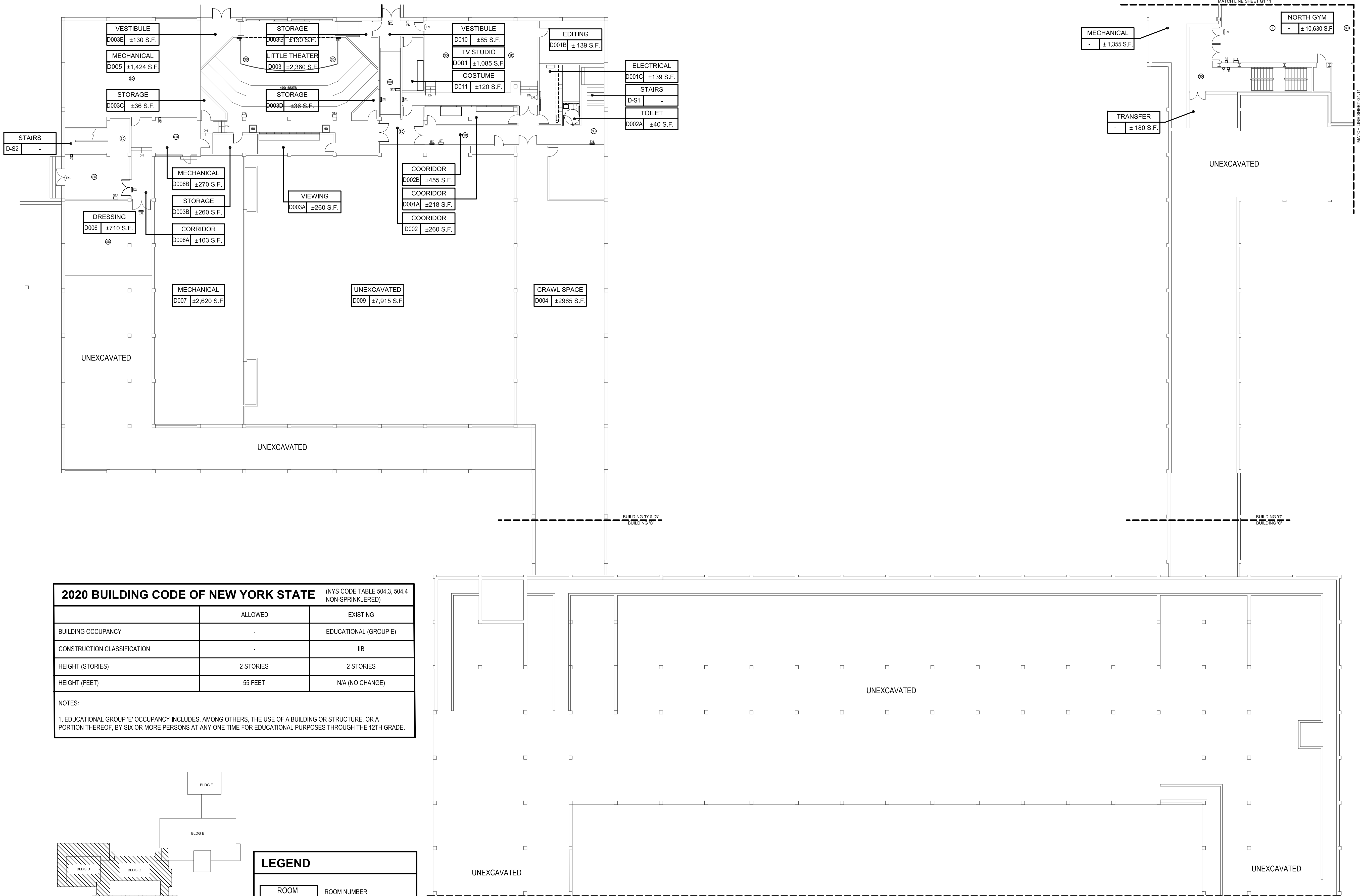
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CONTRACT
ALL CONTRACTS

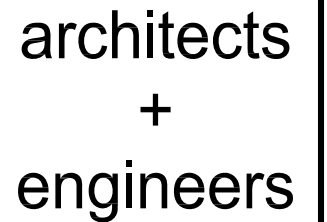
STATUS
FINAL BID DOCUMENT

SHEET TITLE
BUILDING 'D' EXISTING LOWER FLOOR PLAN

DRAWING No.
G102.00c



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CLIENT **White Plains City School District**

WHITE PLAINS HIGH SCHOOL UNIT VENTILATOR REPLACEMENTS



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT

ALL CONTRACTS

STATUS

FINAL BID DOCUMENT

SHEET TITLE

BUILDING 'E'
EXISTING GROUND FLOOR
PLAN

DRAWING No.


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2020 BUILDING CODE OF NEW YORK STATE		(NYS CODE TABLE 504.3, 504.4 NON-SPRINKLERED)
	ALLOWED	EXISTING
BUILDING OCCUPANCY	-	EDUCATIONAL (GROUP E)
CONSTRUCTION CLASSIFICATION	-	IIB
HEIGHT (STORIES)	2 STORIES	2 STORIES
HEIGHT (FEET)	55 FEET	N/A (NO CHANGE)
NOTES:		
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LEGEND


ROOM		ROOM NUMBER
000	± S.F.	DESIGNATION TAG

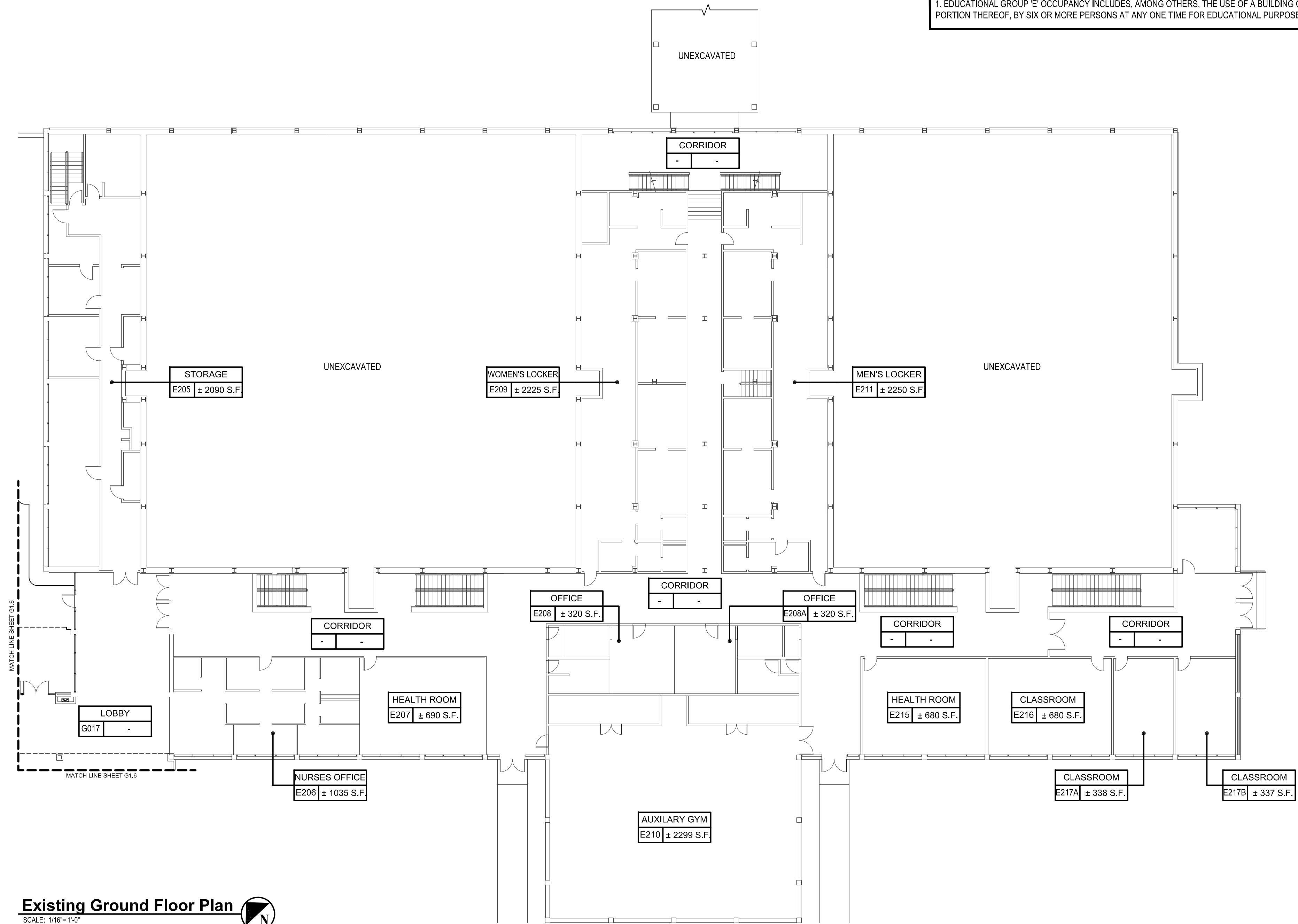
OF EXISTING FIRE EXTINGUISHER

 EXISTING EXIT SIGN

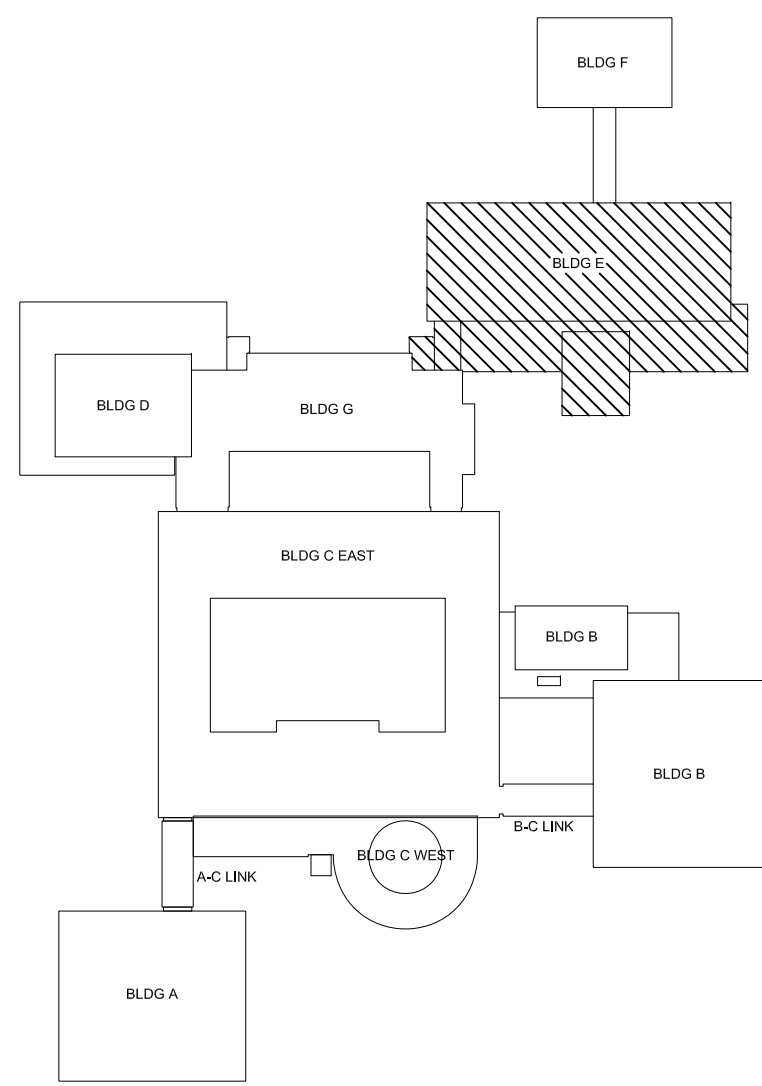
 EXISTING PULL STATION

 EXISTING FIRE ALARM STROBE

 EXISTING SMOKE DETECTOR



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



Key Plan 
SCALE: N.T.S.

CONSULTANTS:		

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-	02-03-23	FINAL BID DOCUMENT

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PROJECT NO.: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

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White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT
ALL CONTRACTS

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**BUILDING 'E' & BUILDING 'F'
EXISTING POOL FLOOR
PLAN AND PARTIAL
BASEMENT FLOOR PLAN**

DRAWING No.
G103.00b

2020 BUILDING CODE OF NEW YORK STATE (NYS CODE TABLE 504.3, 504.4 NON-SPRINKLERED)		
	ALLOWED	EXISTING
BUILDING OCCUPANCY	-	EDUCATIONAL (GROUP E)
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LEGEND

ROOM
000 ± S.F.

EXISTING FIRE EXTINGUISHER

EXISTING EXIT SIGN

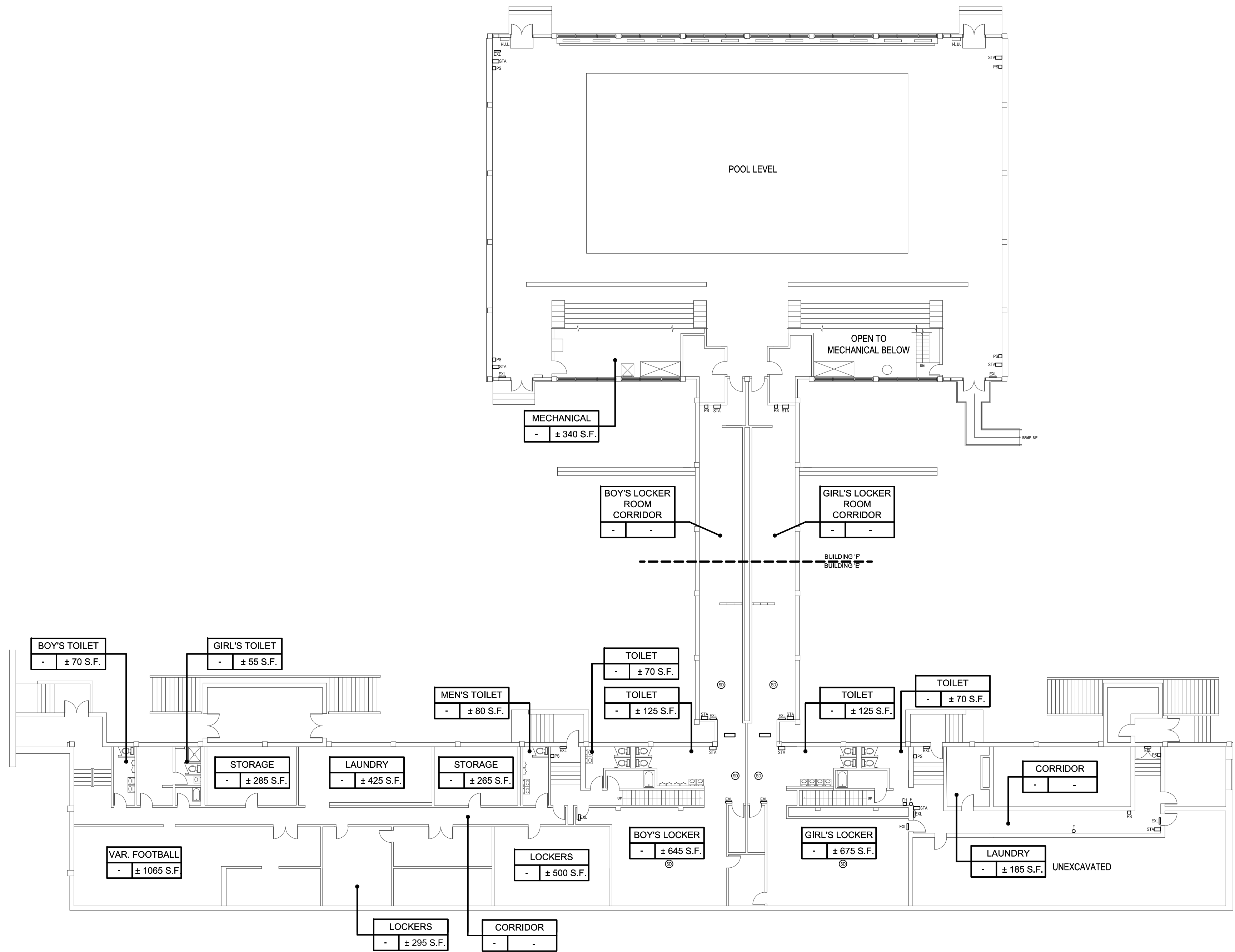
EXISTING PULL STATION

EXISTING FIRE ALARM STROBE

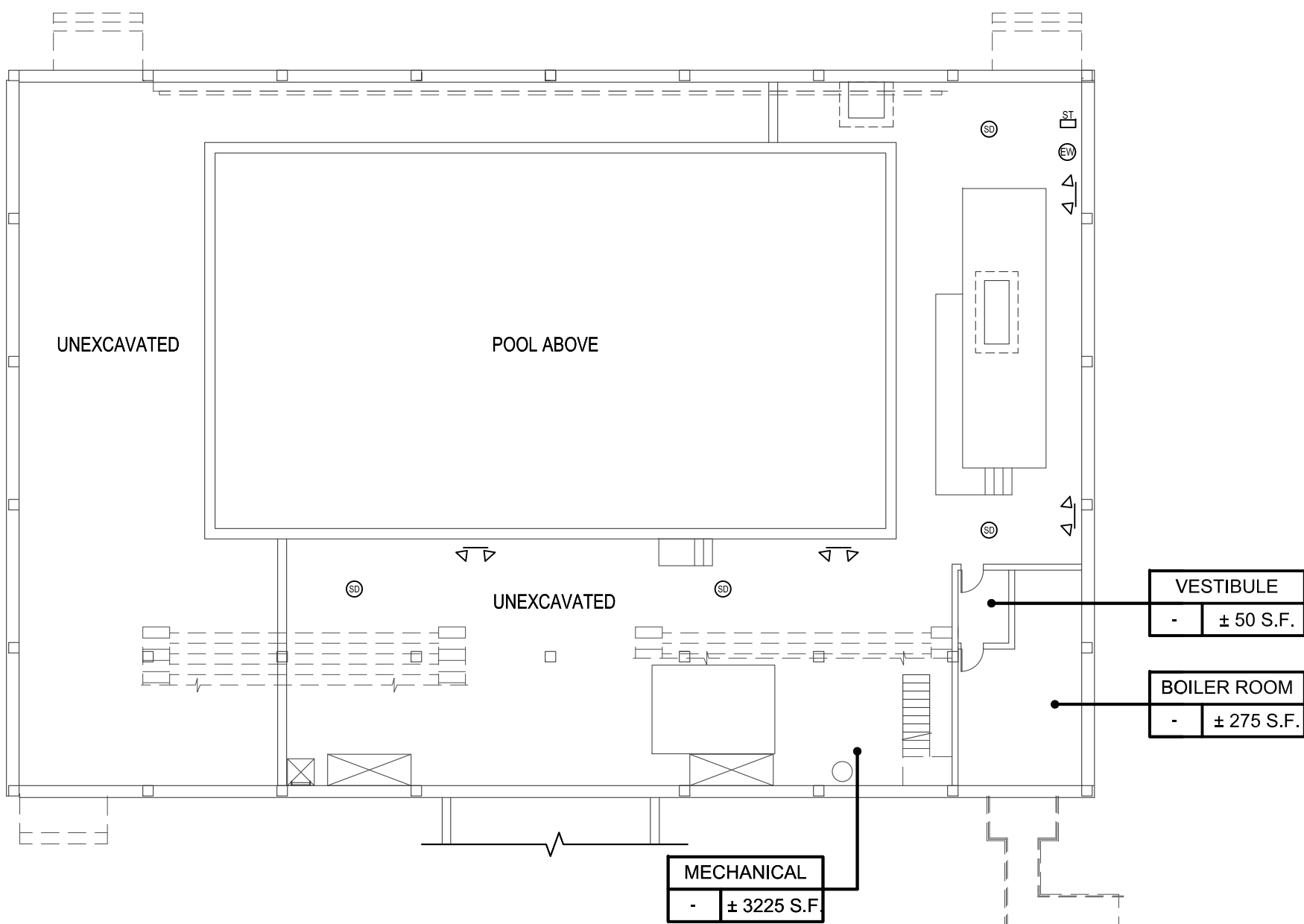
EXISTING SMOKE DETECTOR

EYE WASH STATION

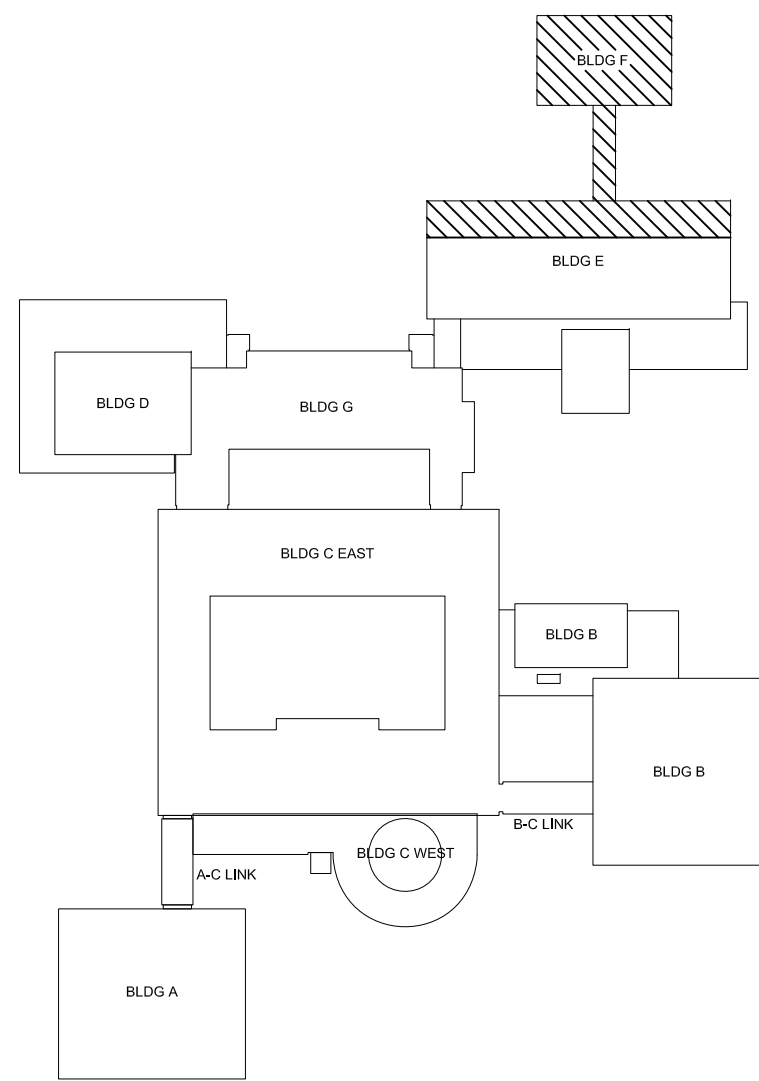
EMERGENCY LIGHTING



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



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



Key Plan
SCALE: N.T.S.

CONSULTANTS:		

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White Plains City School District

WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS

550 North Street
White Plains, NY 10605

SED No. 66-22-00-01-0-16-028

CONTRACT

ALL CONTRACTS

STATUS

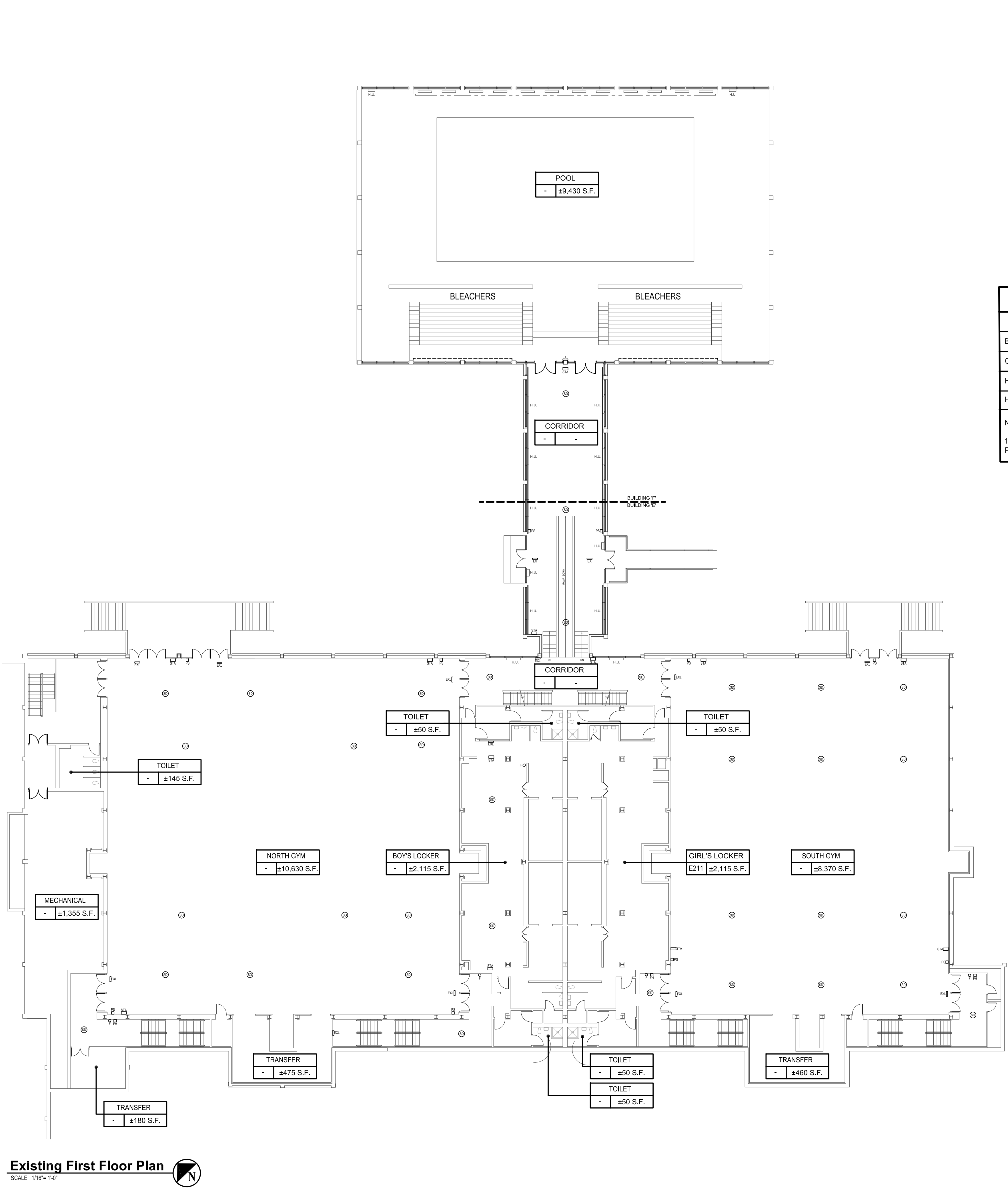
FINAL BID DOCUMENT

SHEET TITLE

BUILDING 'E' & BUILDING 'F'
EXISTING GYM FLOOR PLAN

DRAWING No.

G103.00c



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

LEGEND

ROOM	ROOM NUMBER	DESIGNATION TAG
000	± S.F.	

OF

EXISTING FIRE EXTINGUISHER

EXIT

EXISTING EXIT SIGN

PULL

EXISTING PULL STATION

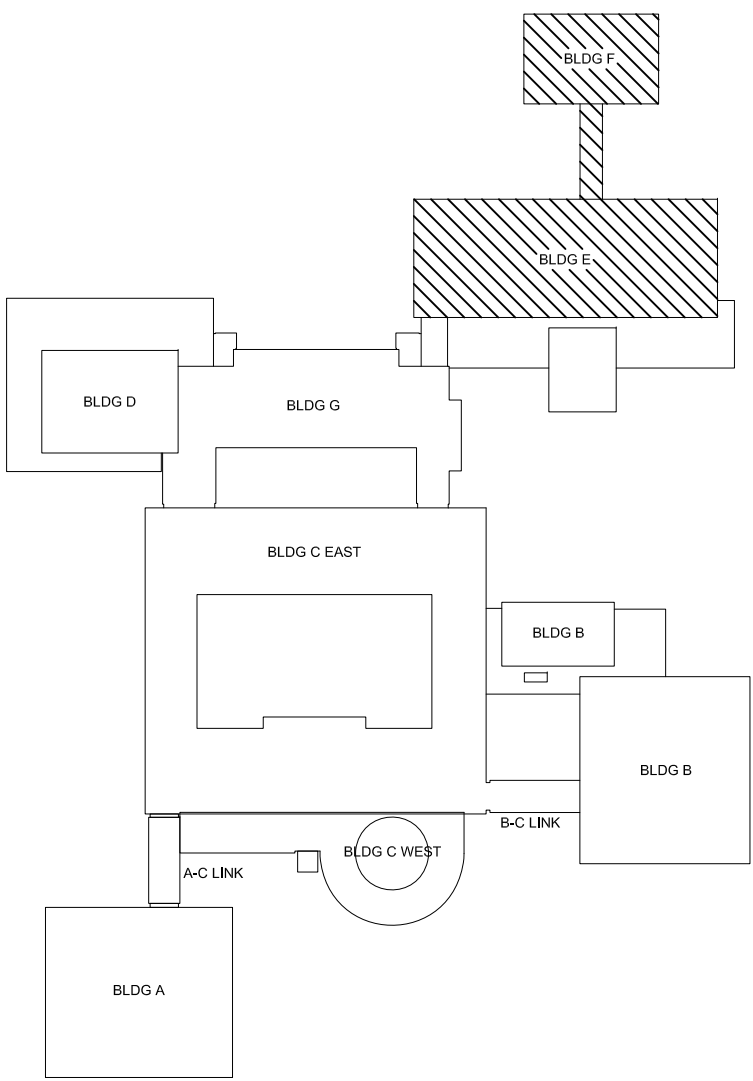
STROBE

EXISTING FIRE ALARM STROBE

SMOKE

EXISTING SMOKE DETECTOR








2020 BUILDING CODE OF NEW YORK STATE (NYS CODE TABLE 504.3, 504.4 NON-SPRINKLERED)		
	ALLOWED	EXISTING
BUILDING OCCUPANCY	-	EDUCATIONAL (GROUP E)
CONSTRUCTION CLASSIFICATION	-	IIB
HEIGHT (STORIES)	2 STORIES	2 STORIES
HEIGHT (FEET)	55 FEET	N/A (NO CHANGE)
NOTES: 1. EDUCATIONAL GROUP 'E' OCCUPANCY INCLUDES, AMONG OTHERS, THE USE OF A BUILDING OR STRUCTURE, OR A PORTION THEREOF, BY SIX OR MORE PERSONS AT ANY ONE TIME FOR EDUCATIONAL PURPOSES THROUGH THE 12TH GRADE.		



Key Plan
SCALE: N.T.S.

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
MMF	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

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

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

- 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 THE 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. PROVIDE THE CLEARANCE FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTORS' INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTORS' 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, 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

1. 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.
2. 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.
3. WHERE THEY ARE REQUIRED TO BE REMOVED FOR THE EXECUTION OF NEW UNIT VENTILATOR WORK, EXISTING FIN TUBE RADIATION COVERS ARE TO BE RETAINED TO BE REUSED TO COVER EXPOSED PIPING IN THE CLASSROOMS.

LEGENDS/ABBREVIATIONS NOTES

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

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CONSULTANTS:

[illegible]

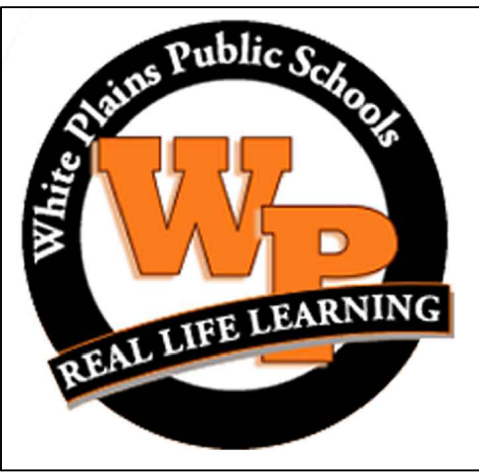
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PROJECT No.: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

WHITE PLAINS HIGH SCHOOL UNIT VENTILATOR REPLACEMENTS



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL GENERAL NOTES AND LEGENDS

DRAWING No.

M 001.00

CONSULTANTS:

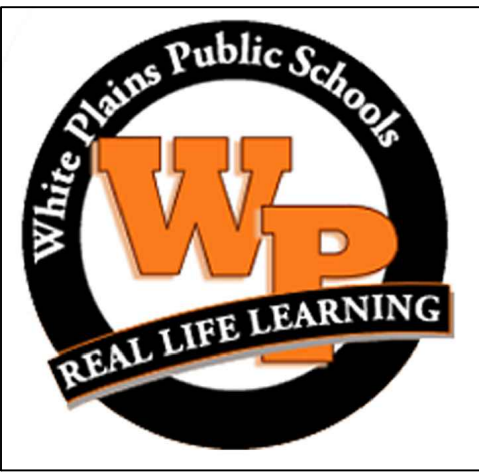
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PROJECT NO.: WPSPD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

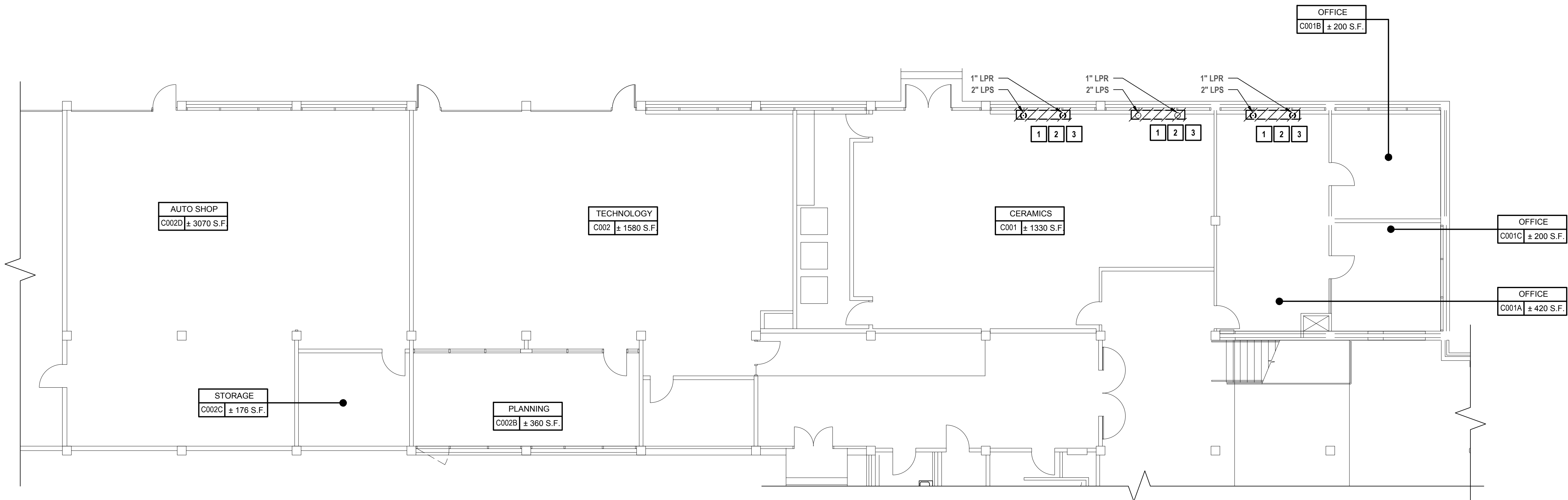
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CONTRACT
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

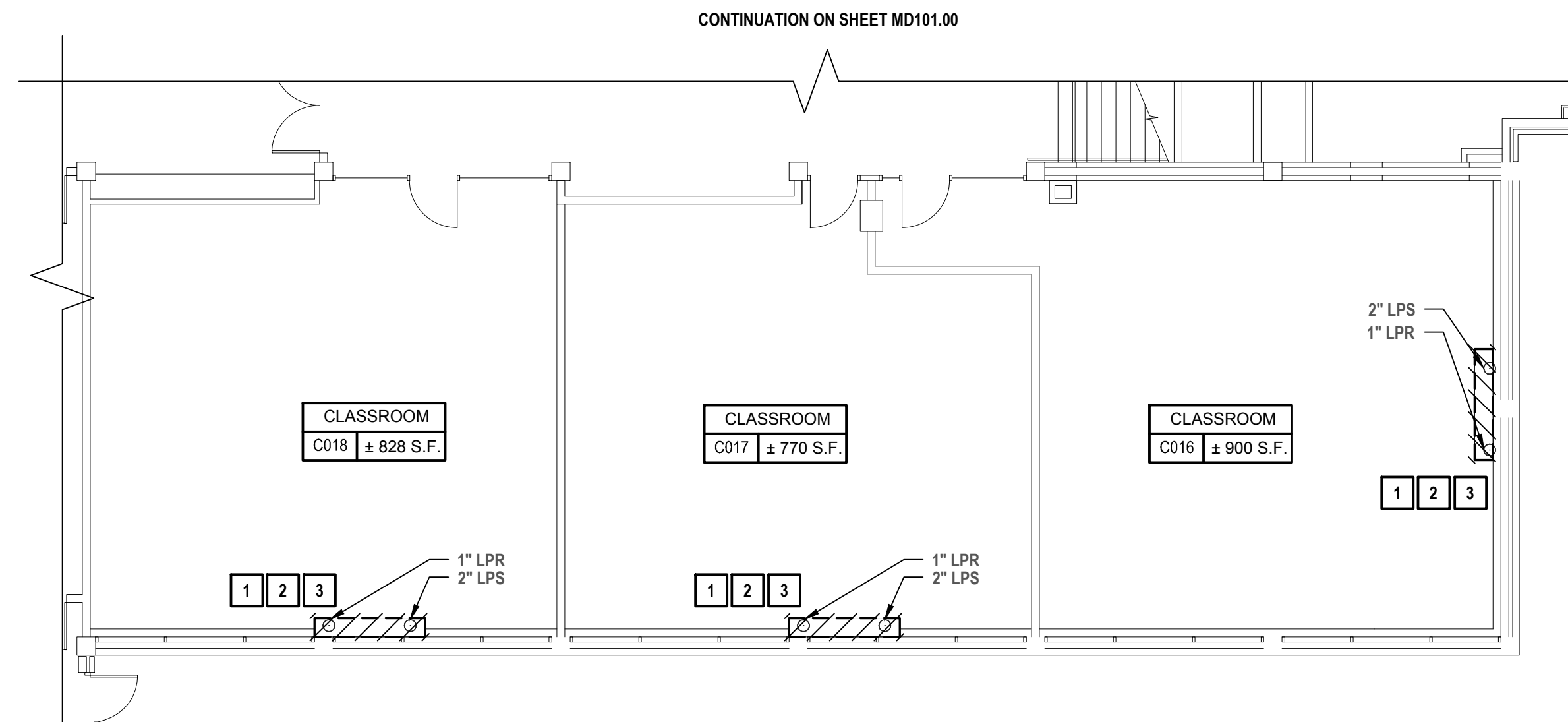
STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL DEMOLITION
GROUND FLOOR PLAN
BUILDING C PARTS A & C**

DRAWING No.
MD 100.00



1 Ground Floor Plan Building C Part A
SCALE: 1/8"=1'-0"



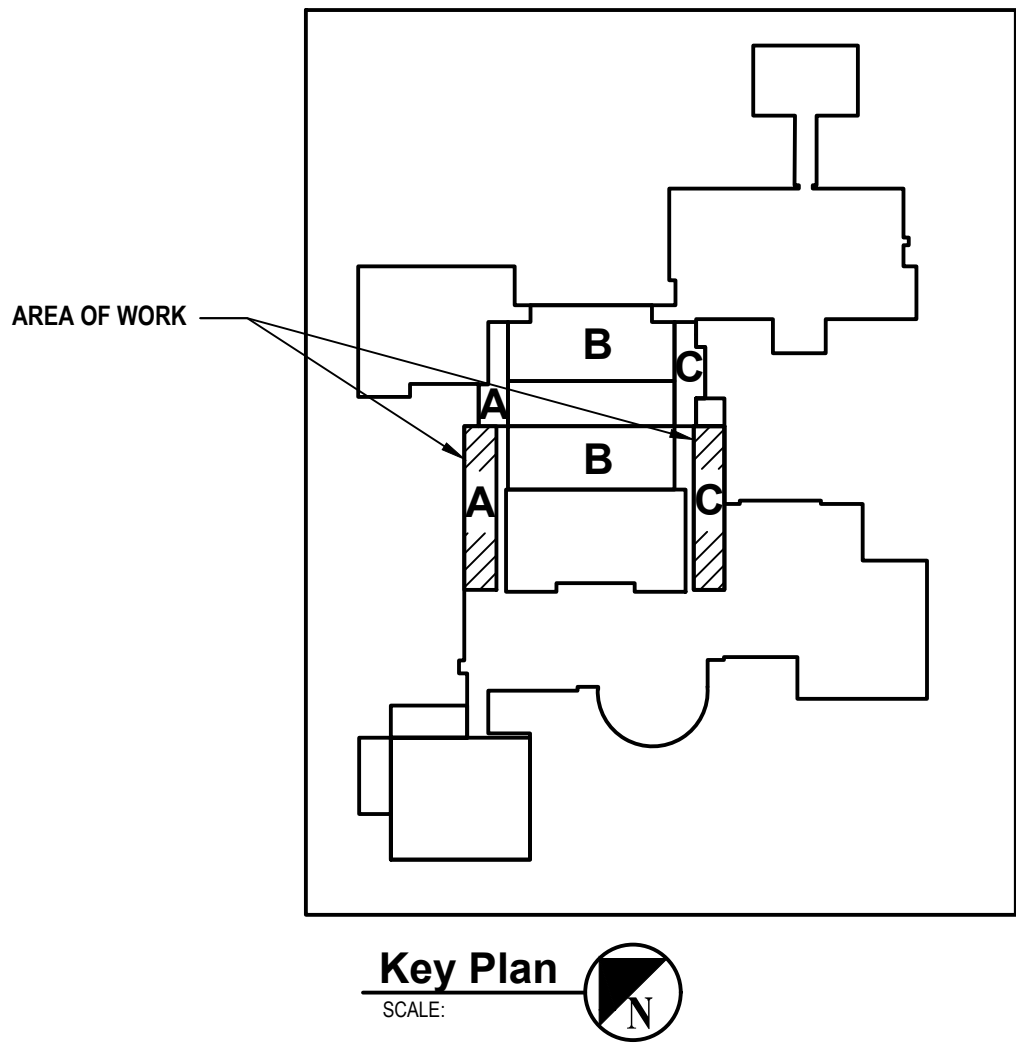
2 Ground Floor Plan Building C Part C
SCALE: 1/8"=1'-0"

GENERAL NOTES:

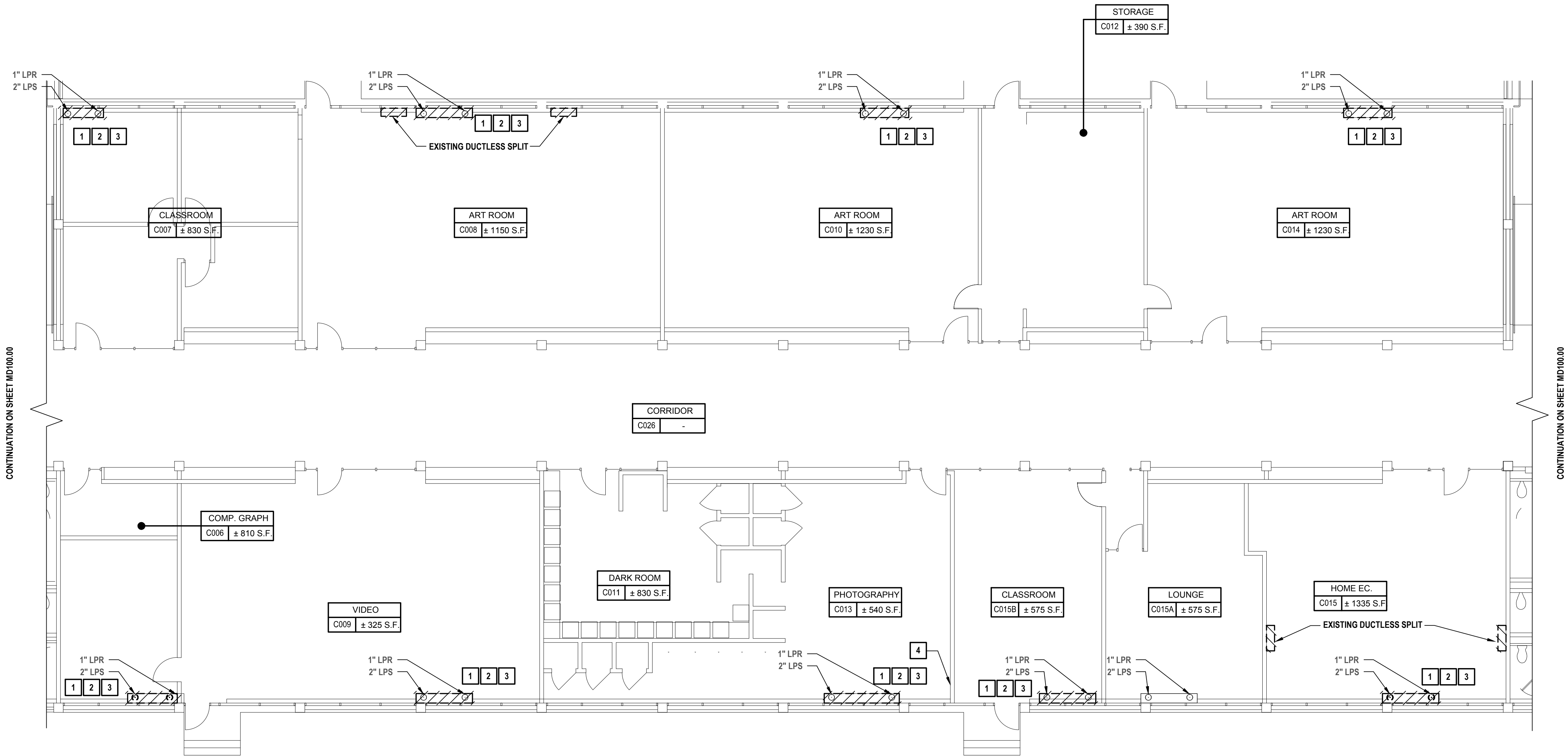
- EXISTING CONDITIONS ARE BASED ON A LIMITED FIELD SURVEY. CONTRACT IS RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS FOR ALL CONFLICTS AND SHALL ALERT ENGINEER PRIOR TO COMMENCEMENT OF NEW WORK AND PURCHASE OF EQUIPMENT.
- DO NOT SCALE DRAWINGS. LINE WORK SHOWN IS SCHEMATIC. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS BASED ON DESIGN INTENT, SURVEY OF EXISTING CONDITIONS, AND COORDINATION WITH OTHER TRADES.
- CONTRACTOR SHALL REMOVE WINDOW ACs AND WALL-MOUNTED SPLIT UNITS IN AREAS WHERE UNIT VENTILATORS ARE BEING REMOVED / REPLACED.
- PATCH/SEAL ALL OPENINGS AND PENETRATIONS AND RESTORE TO MATCH ADJACENT CONSTRUCTION FINISHES.

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 HYDRONIC 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.
- DEMOLISH AND DISPOSE OF EXISTING FIN-TUBE ENCLOSURE AND SURROUNDING CABINETRY AS REQUIRED FOR NEW WORK. CUT AND CAP EXISTING HYDRONIC PIPING IN PREPARATION FOR NEW WORK.



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



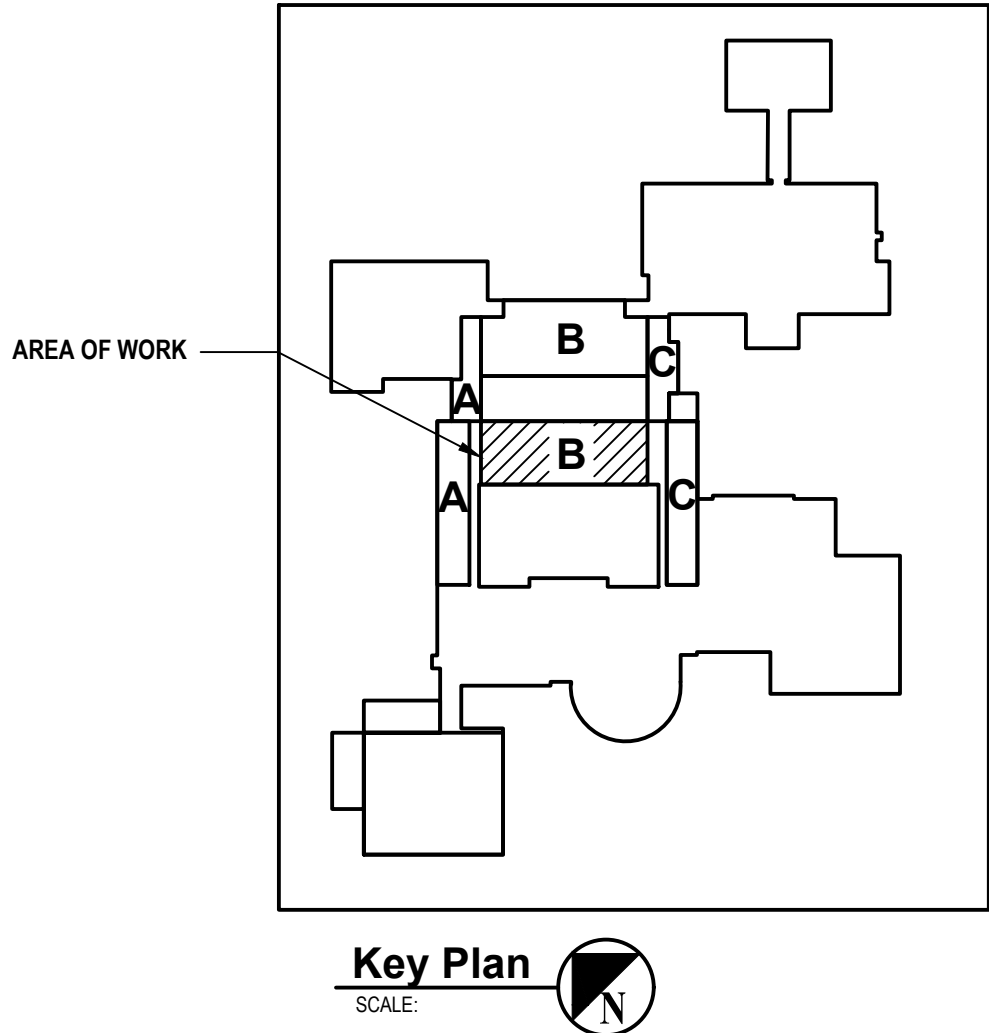
1 Ground Floor Plan Building C Part B
SCALE: 1/8"=1'-0"

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.
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- DEMOLISH AND DISPOSE OF EXISTING FIN-TUBE ENCLOSURE AND SURROUNDING CABINETRY AS REQUIRED FOR NEW WORK. CUT AND CAP EXISTING HYDRONIC PIPING IN PREPARATION FOR NEW WORK.
- REMOVE EXISTING SINK AND RELOCATE ALONG THE SAME WALL AS NEEDED TO ALLOW ROOM FOR NEW UNIT INSTALLATION. DEMOLISH EXISTING CASEWORK AS NECESSARY. CUT BACK ASSOCIATED PIPING AS NECESSARY AND PROVIDE NEW PIPING TO CONNECT TO NEW SINK LOCATION.



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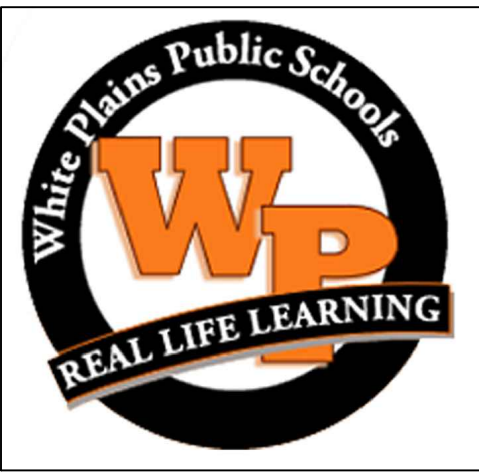
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PROJECT NO.: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

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

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL DEMOLITION
GROUND FLOOR PLAN
BUILDING C PART B**

DRAWING No.
MD 101.00

CONSULTANTS:

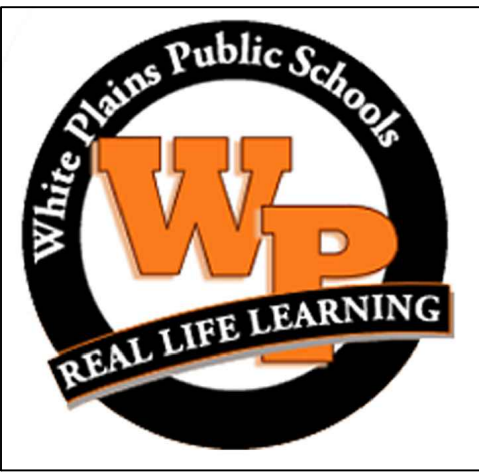
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CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

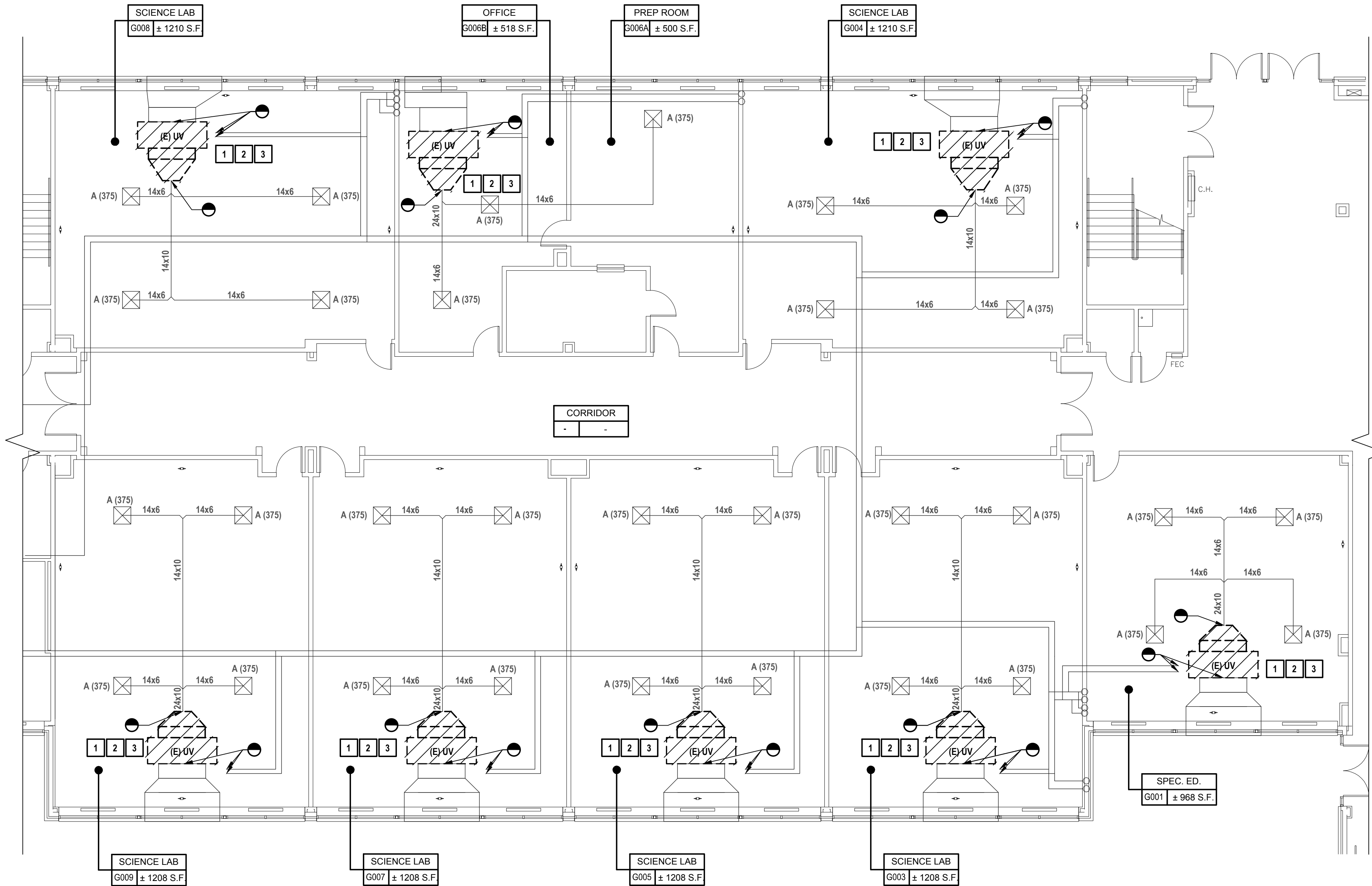
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CONTRACT
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL DEMOLITION
GROUND FLOOR PLAN
BUILDING G**

DRAWING No.
MD 102.00



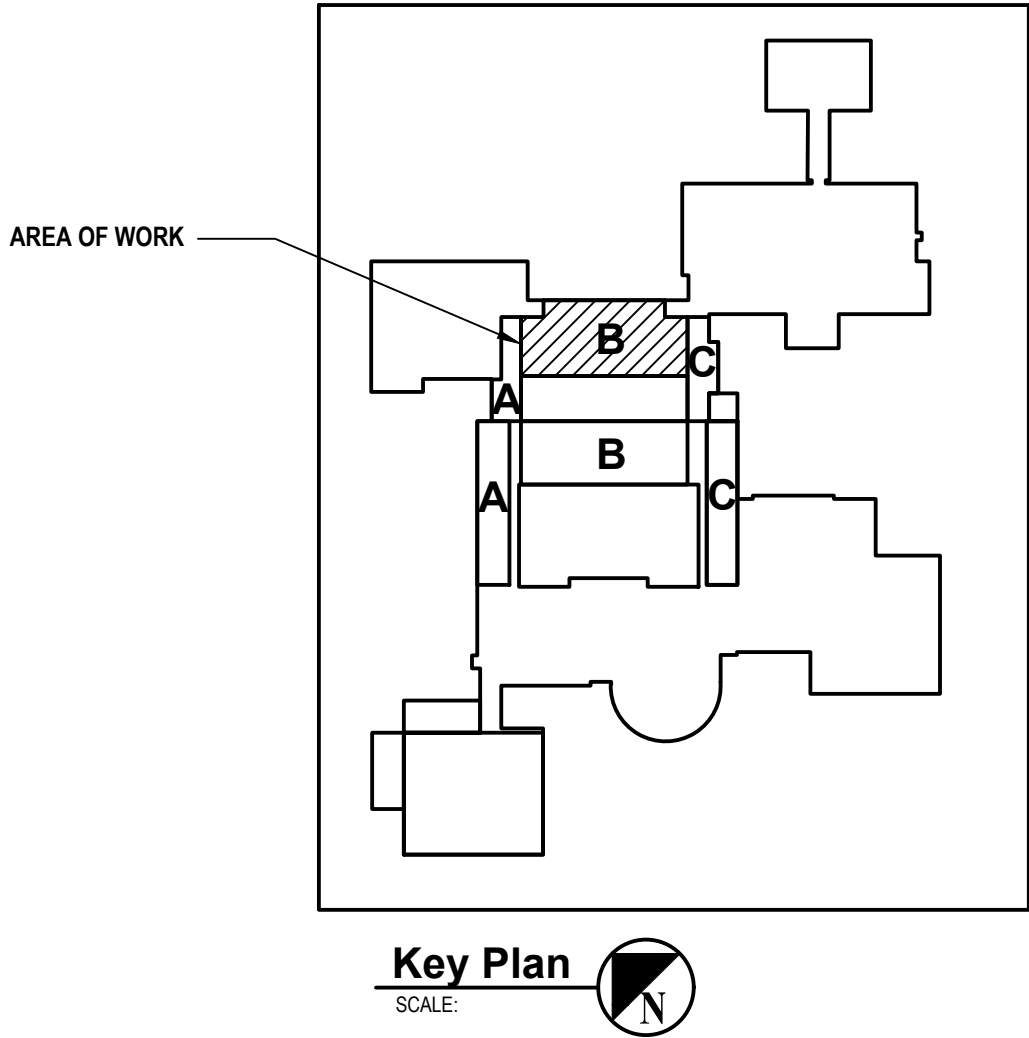
1 Ground Floor Building G Plan
SCALE: 1/8"=1'-0"

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 AND WALL-MOUNTED SPLIT UNITS IN AREAS WHERE UNIT VENTILATORS ARE BEING REMOVED / REPLACED.

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 HYDRONIC PIPING AND DEMOLISH PIPING AS REQUIRED TO COMPLETE NEW WORK. TEMPORARILY CAP PIPING WHERE REQUIRED TO PREPARE FOR NEW WORK.
- EXISTING FRESH AIR INTAKE LOUVER(S) AND INTAKE DUCTWORK TO REMAIN. CUT BACK EXISTING INTAKE DUCTWORK AS NECESSARY FOR REMOVAL OF EXISTING UV'S.
- CUT AND CAP EXISTING HYDRONIC PIPING IN PREPARATION FOR NEW WORK.



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

CONSULTANTS:

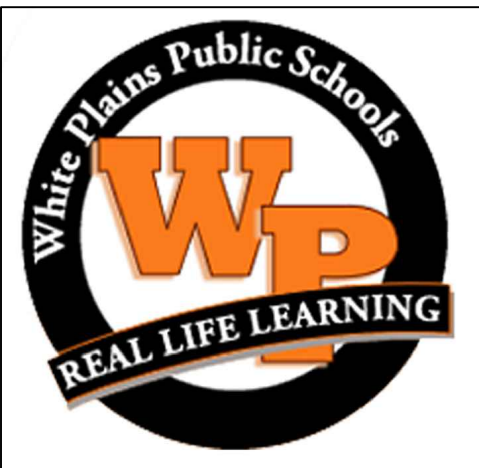
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PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

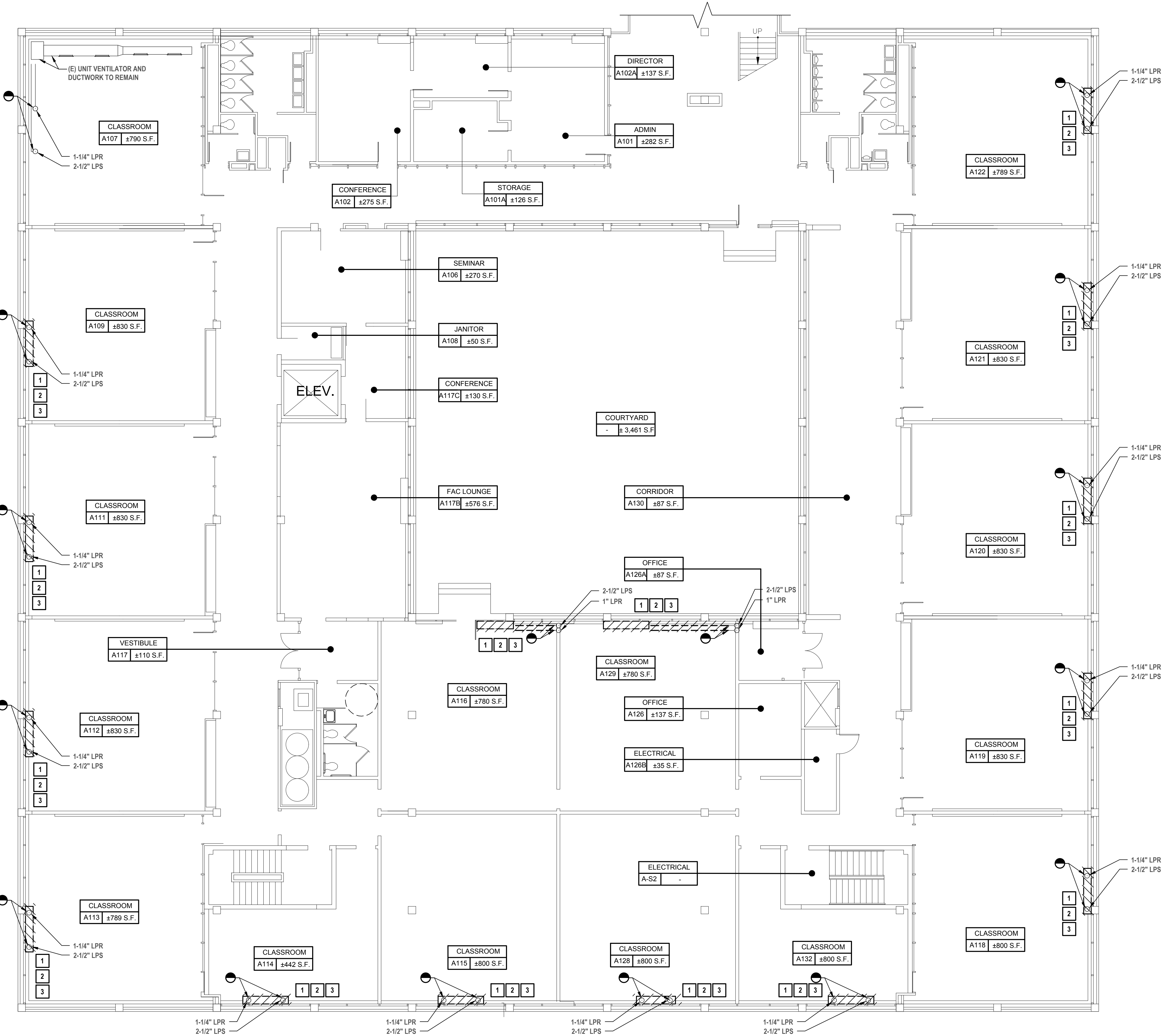
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CONTRACT
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS
FINAL BID DOCUMENT

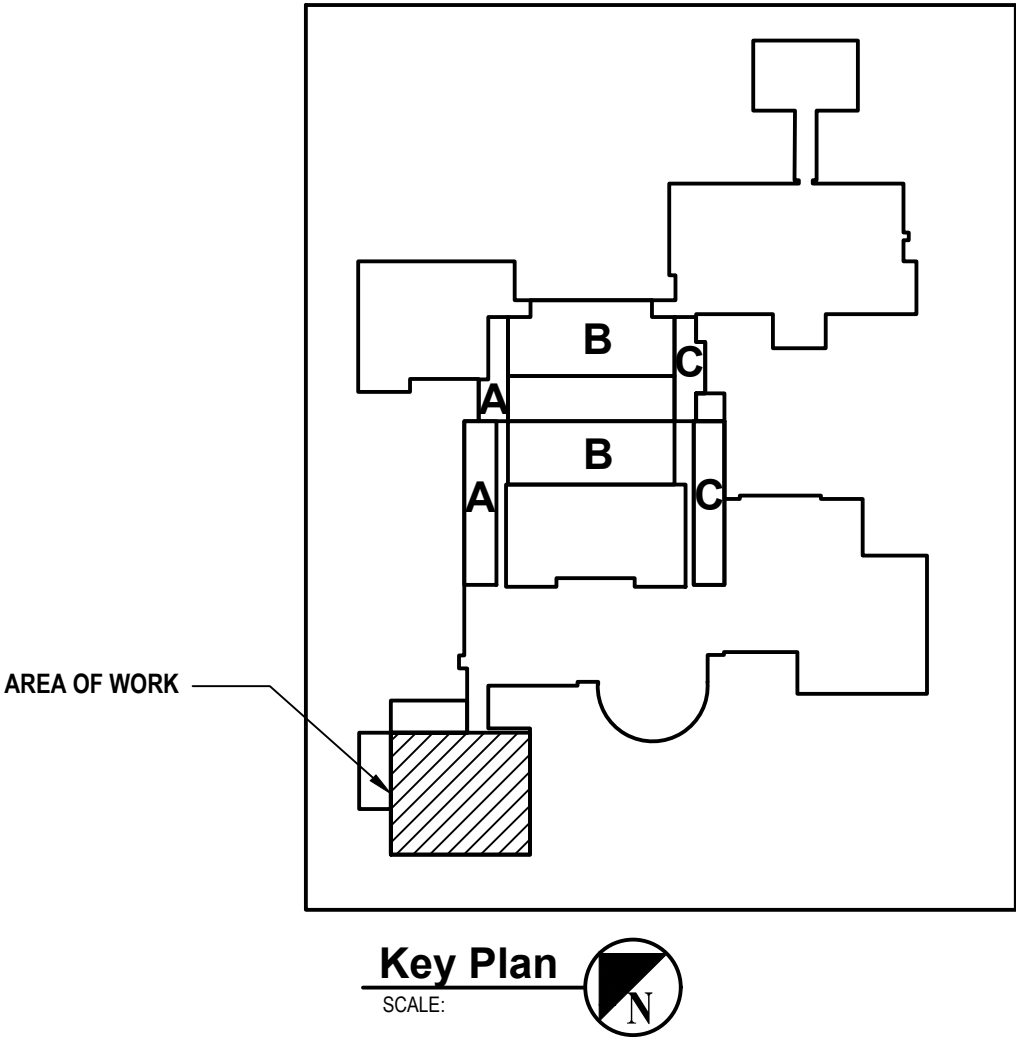
SHEET TITLE
**MECHANICAL DEMOLITION
FIRST FLOOR PLAN
BUILDING A**

DRAWING No.
MD 110.00



- 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.
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 - CONTRACTOR SHALL DEMOLISH AND REMOVE WINDOW ACs AND WALL-MOUNTED SPLIT UNITS IN AREAS WHERE UNIT VENTILATORS ARE BEING REMOVED / REPLACED.
 - PATCH/SEAL ALL OPENINGS AND PENETRATIONS AND RESTORE TO MATCH ADJACENT CONSTRUCTION FINISHES.

- 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 HYDRONIC 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.
 - DEMOLISH AND DISPOSE OF EXISTING FIN-TUBE ENCLOSURE AND SURROUNDING CABINETRY AS REQUIRED FOR NEW WORK. CUT AND CAP EXISTING HYDRONIC PIPING IN PREPARATION FOR NEW WORK.



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

CONSULTANTS:

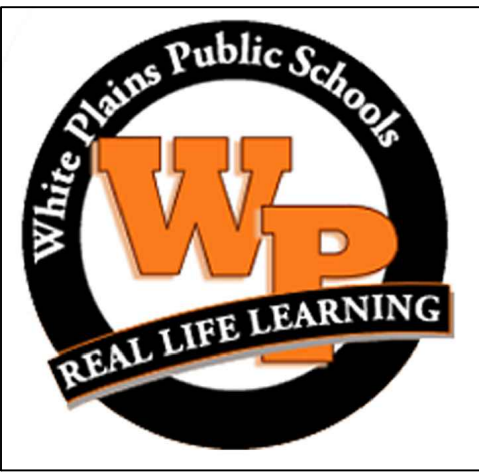
MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT



DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO.: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

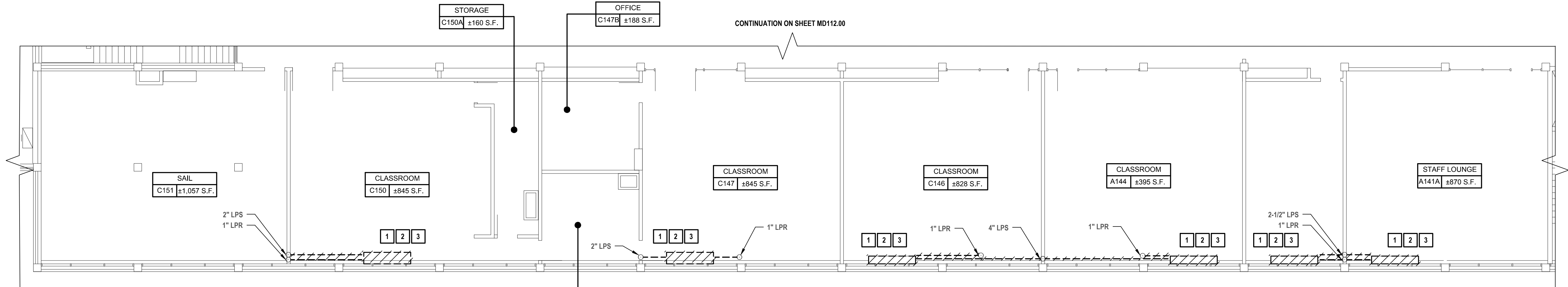
SED No. 66-22-00-01-0-16-028

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

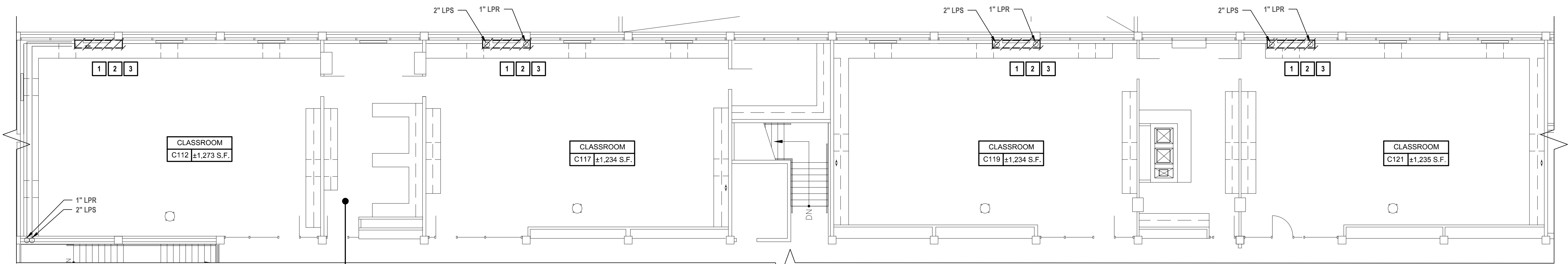
STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL DEMOLITION
FIRST FLOOR PLAN
BUILDING C PARTS A & C**

DRAWING No.
MD 111.00



1 First Floor Plan Building C Part A
SCALE: 1/8"=1'-0"



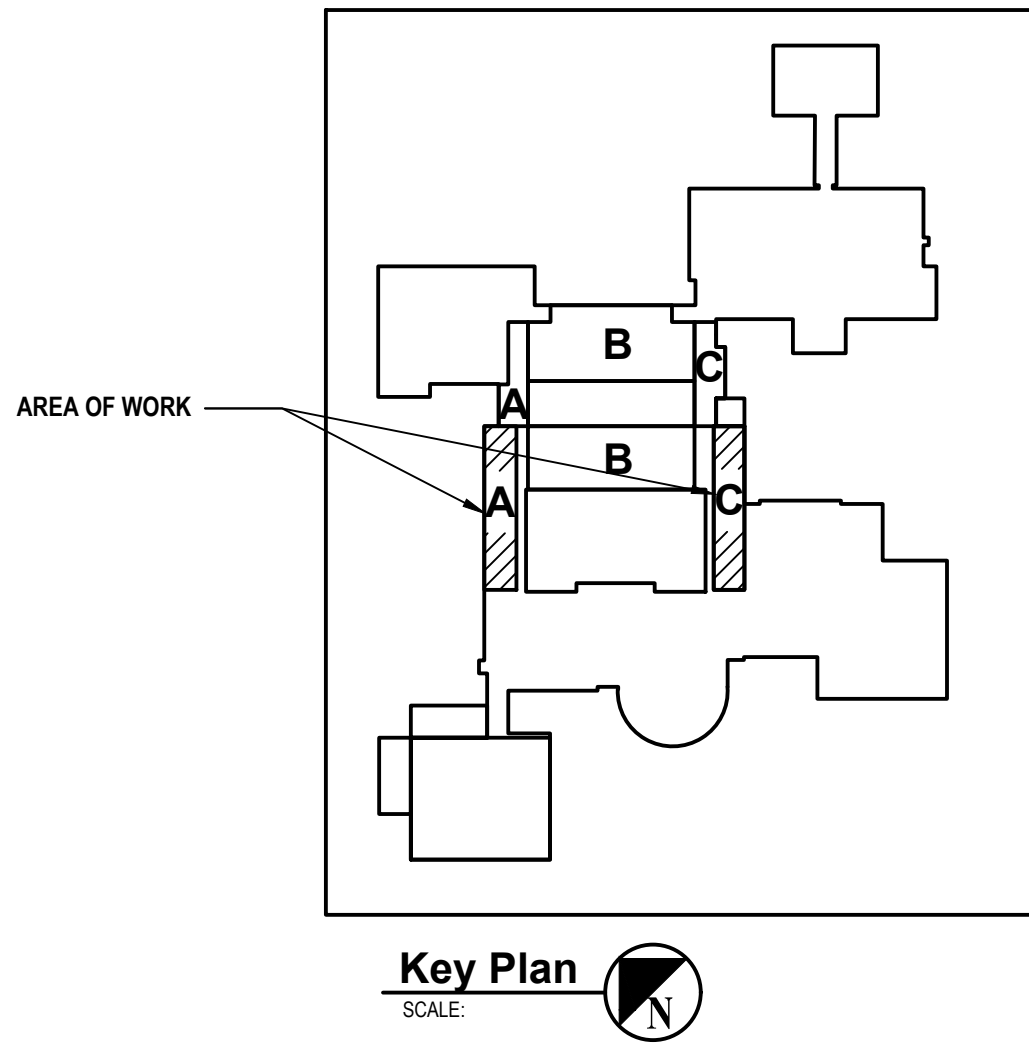
2 First Floor Plan Building C Part C
SCALE: 1/8"=1'-0"

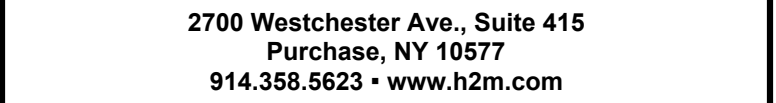
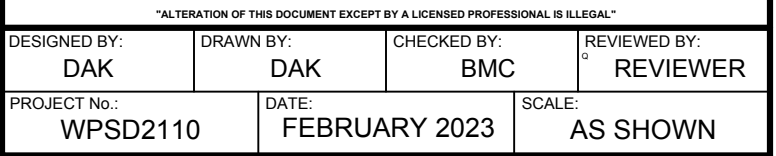
GENERAL NOTES:

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KEYED DEMOLITION NOTES:

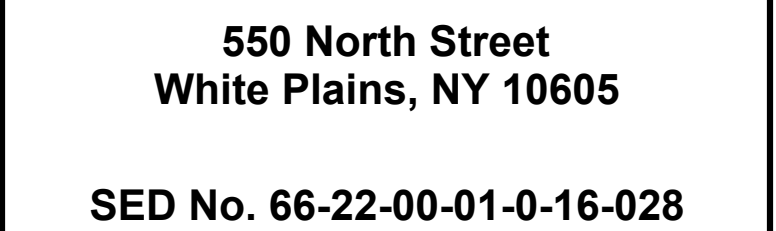
- REMOVE AND DISPOSE OF EXISTING UNIT VENTILATOR(S), EXISTING ASSOCIATED CONTROLS, AND CONTROL WIRING. COORDINATE DEMOLITION OF UNIT VENTILATOR(S) WITH EXISTING SURROUNDING CASEWORK. DISCONNECT EXISTING HEATING COIL FROM EXISTING HYDRONIC PIPING AND DEMOLISH PIPING AS REQUIRED TO COMPLETE NEW WORK. TEMPORARILY CAP PIPING WHERE REQUIRED TO PREPARE FOR NEW WORK.
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- DEMOLISH AND DISPOSE OF EXISTING FIN-TUBE ENCLOSURE AND SURROUNDING CABINETRY AS REQUIRED FOR NEW WORK. CUT AND CAP EXISTING HYDRONIC PIPING IN PREPARATION FOR NEW WORK.



[illegible]

CLIENT **White Plains City School District**

WHITE PLAINS HIGH SCHOOL UNIT VENTILATOR REPLACEMENTS



**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS **FINAL BID DOCUMENT**

**MECHANICAL DEMOLITION
FIRST FLOOR PLAN
BUILDING C PART B**

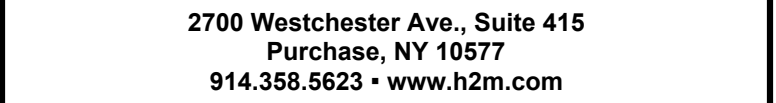
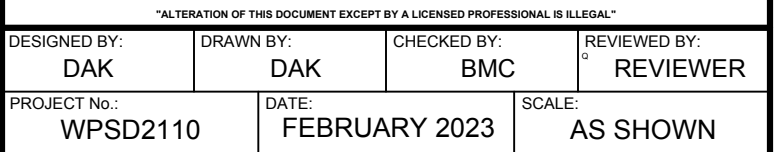
DRAWING No. **MD 112.00**



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[illegible]

WHITE PLAINS HIGH SCHOOL UNIT VENTILATOR REPLACEMENTS



CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS **FINAL BID DOCUMENT**

SHEET TITLE

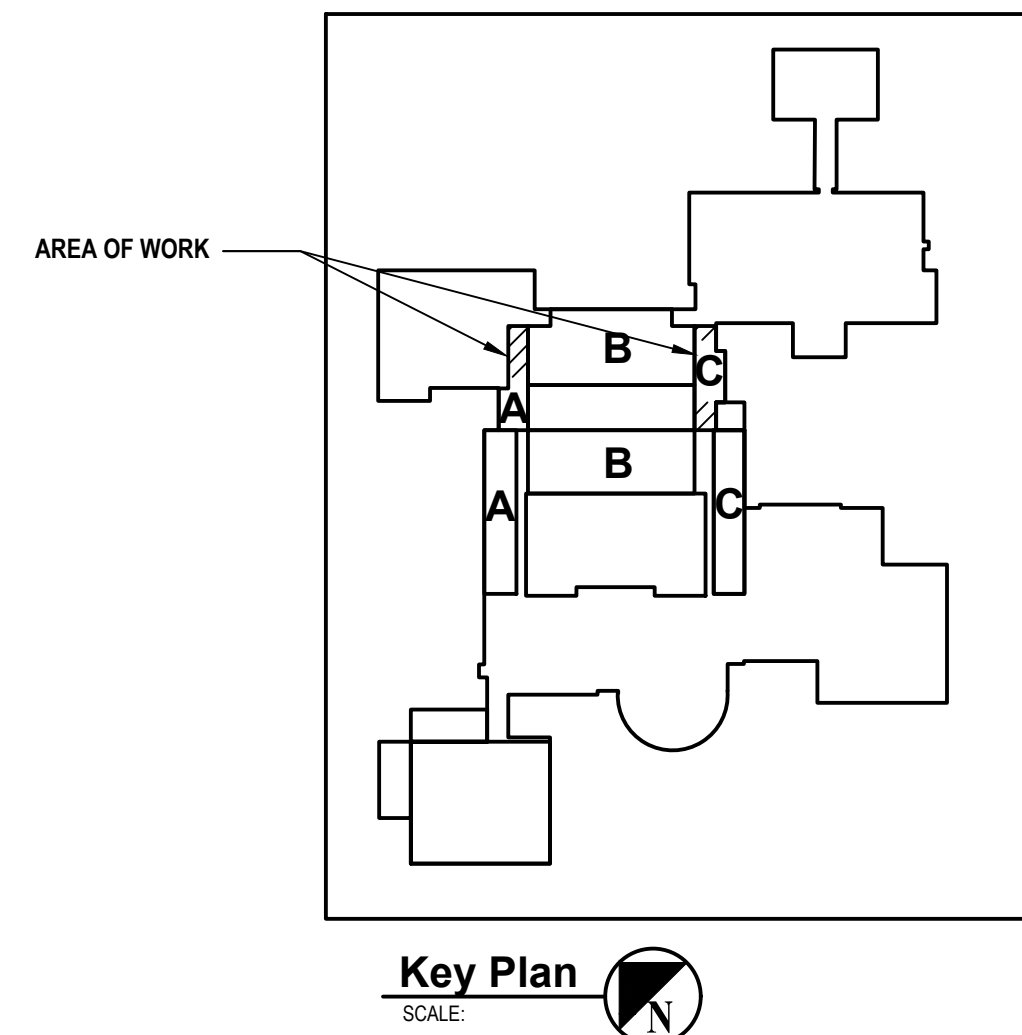
**MECHANICAL DEMOLITION
FIRST FLOOR PLAN
BUILDING G PARTS A & C**

DRAWING No. **MD 113.00**



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- 3 CUT AND CAP EXISTING HYDRONIC PIPING IN PREPARATION FOR NEW WORK.



CONSULTANTS:		

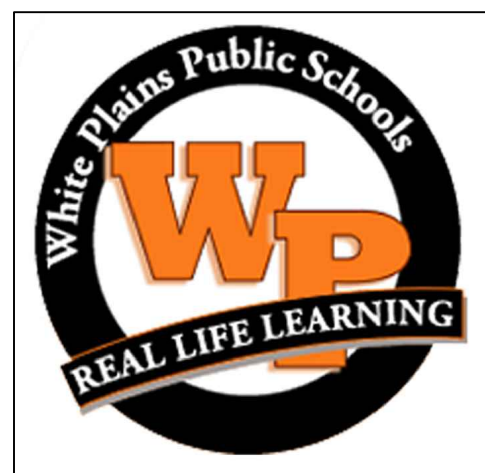
MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT



DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

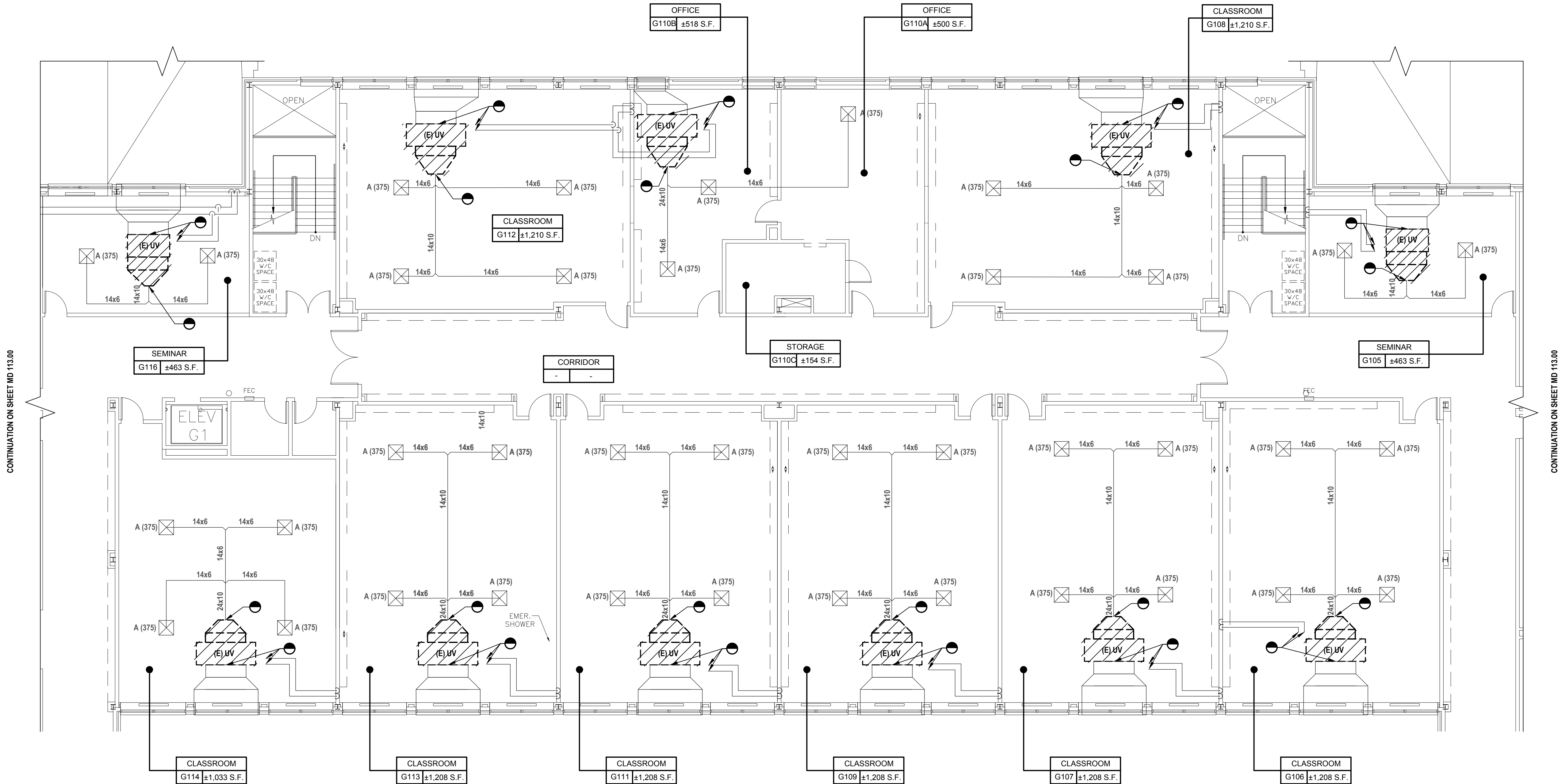
SED No. 66-22-00-01-0-16-028

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

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL DEMOLITION
FIRST FLOOR PLAN
BUILDING G PART B**

DRAWING No.
MD 114.00



CONTINUATION ON SHEET MD 113.00

CONTINUATION ON SHEET MD 113.00

1 First Floor Plan Building G Part B
SCALE: 1/8"=1'-0"

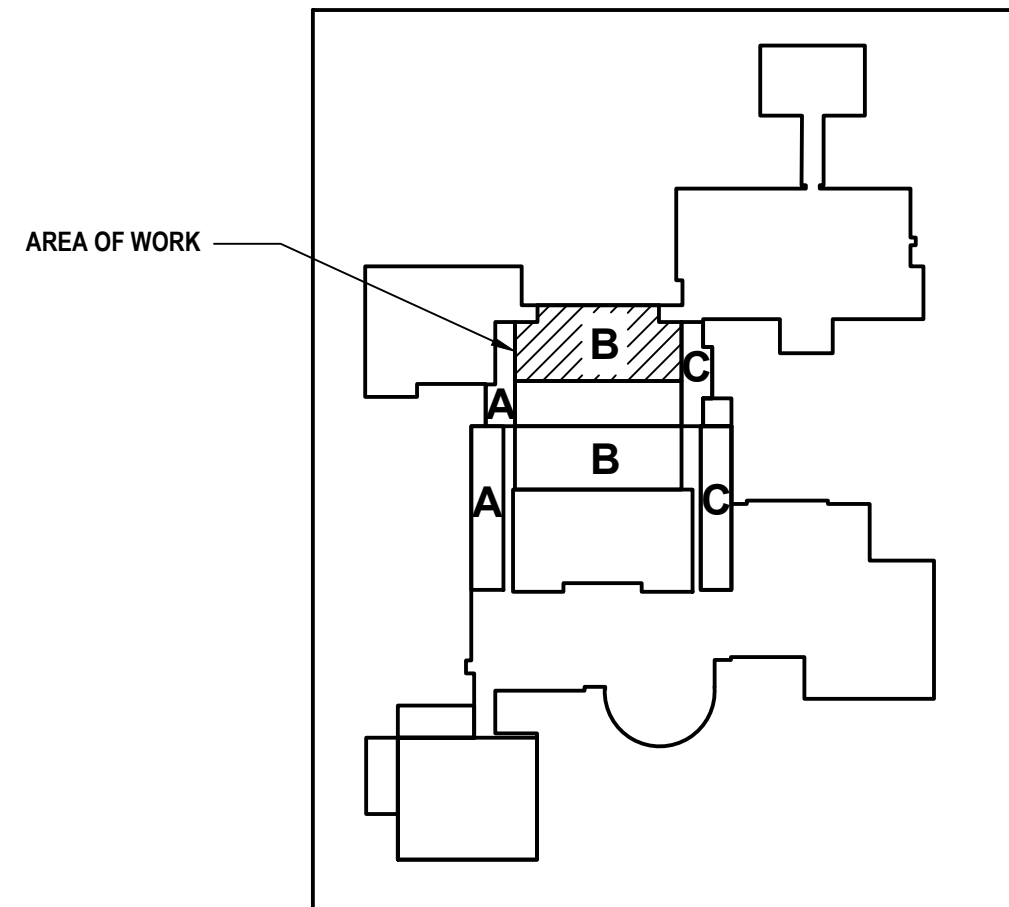
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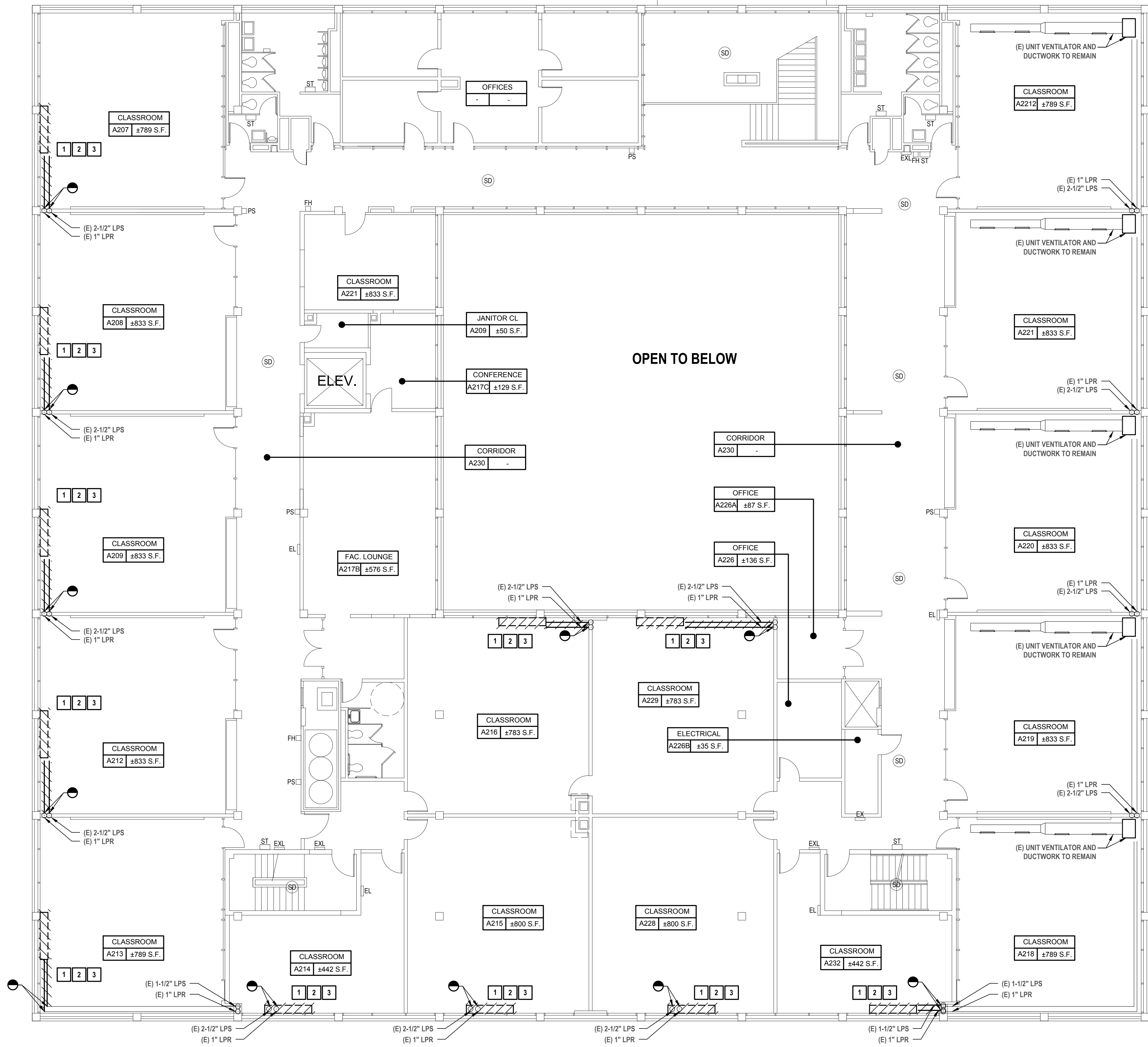
1 2 3

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 HYDRONIC PIPING AND DEMOLISH PIPING AS REQUIRED TO COMPLETE NEW WORK. TEMPORARILY CAP PIPING WHERE REQUIRED TO PREPARE FOR NEW WORK.
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- CUT AND CAP EXISTING HYDRONIC PIPING IN PREPARATION FOR NEW WORK.



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



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

NOTES:

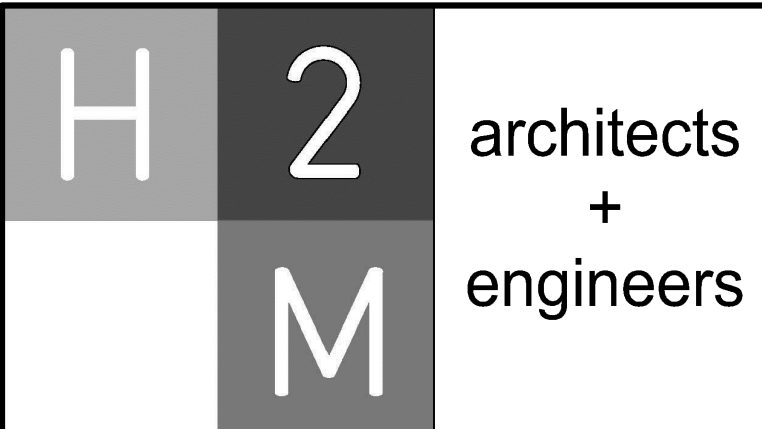
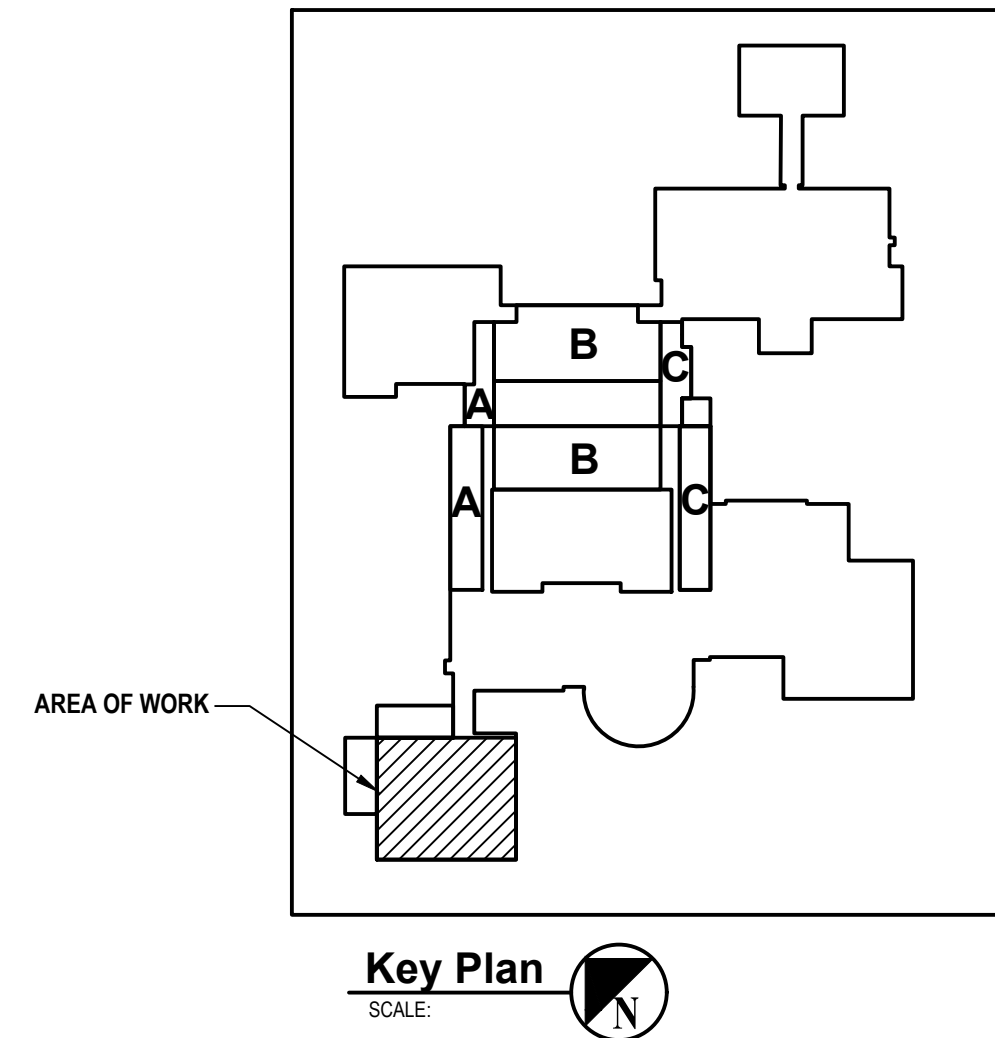
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GENERAL NOTES:

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KEYED DEMOLITION NOTES:

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

CONSULTANTS:

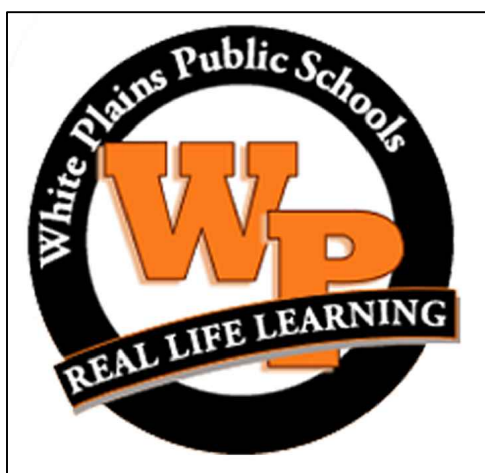
MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT



DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO.: WPSPD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

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

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL DEMOLITION
SECOND FLOOR PLAN
BUILDING A**

DRAWING No.
MD 120.00

CONSULTANTS:

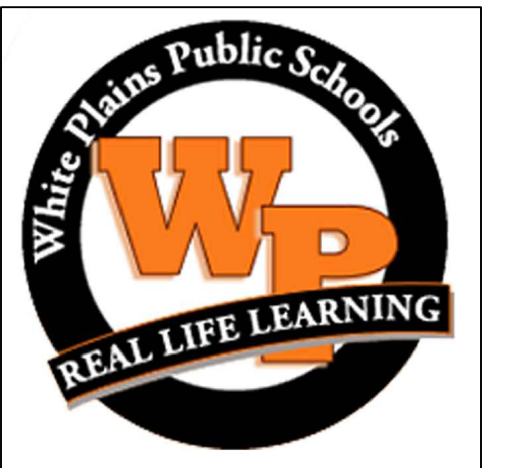
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PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

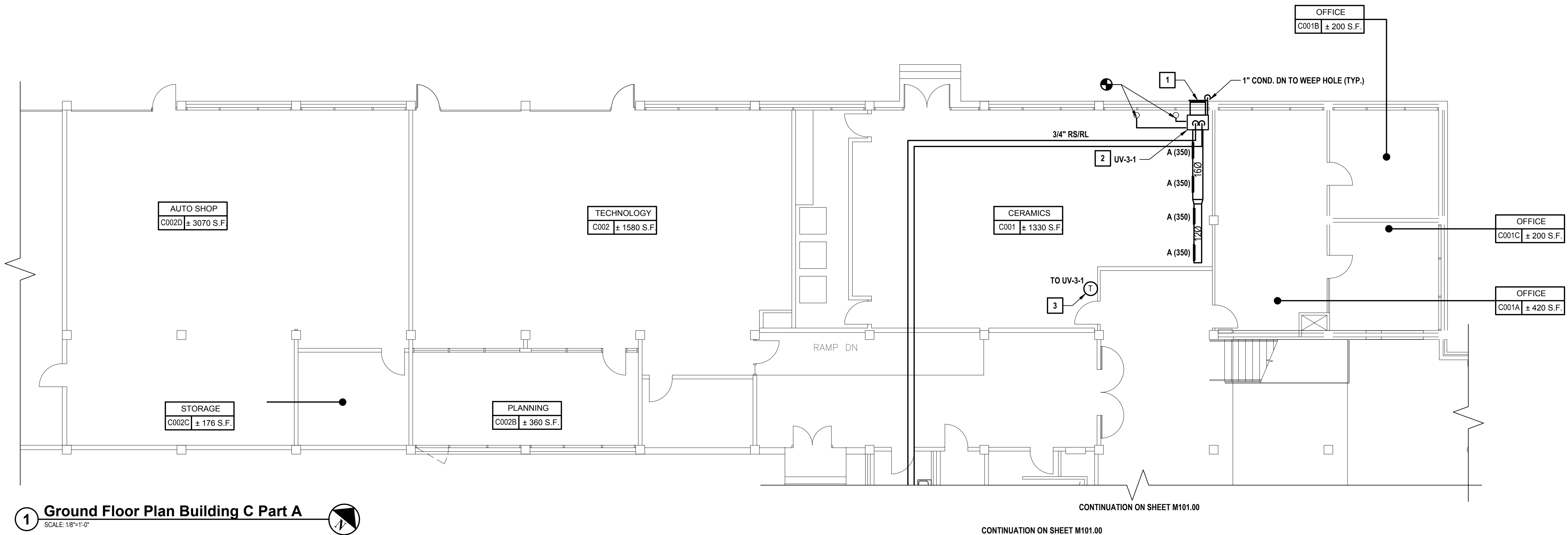
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CONTRACT
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

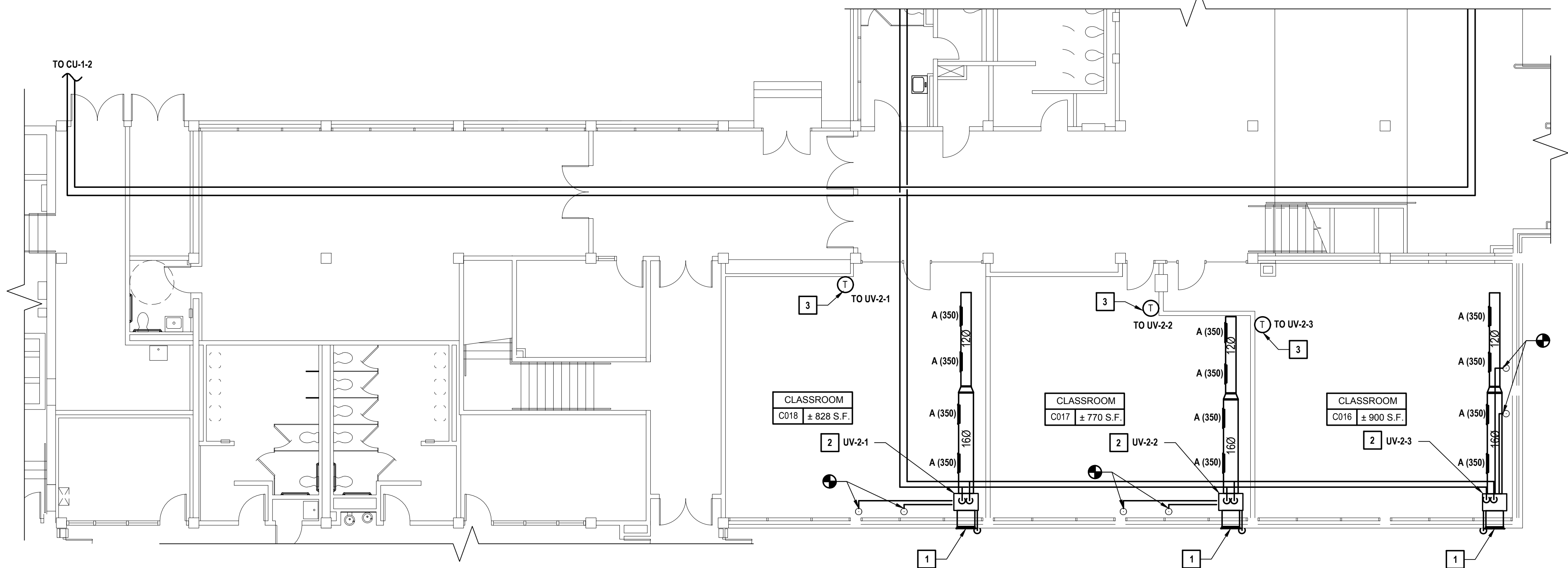
STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL GROUND
FLOOR PLAN BUILDING C
PARTS A & C**

DRAWING No.
M 100.00



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



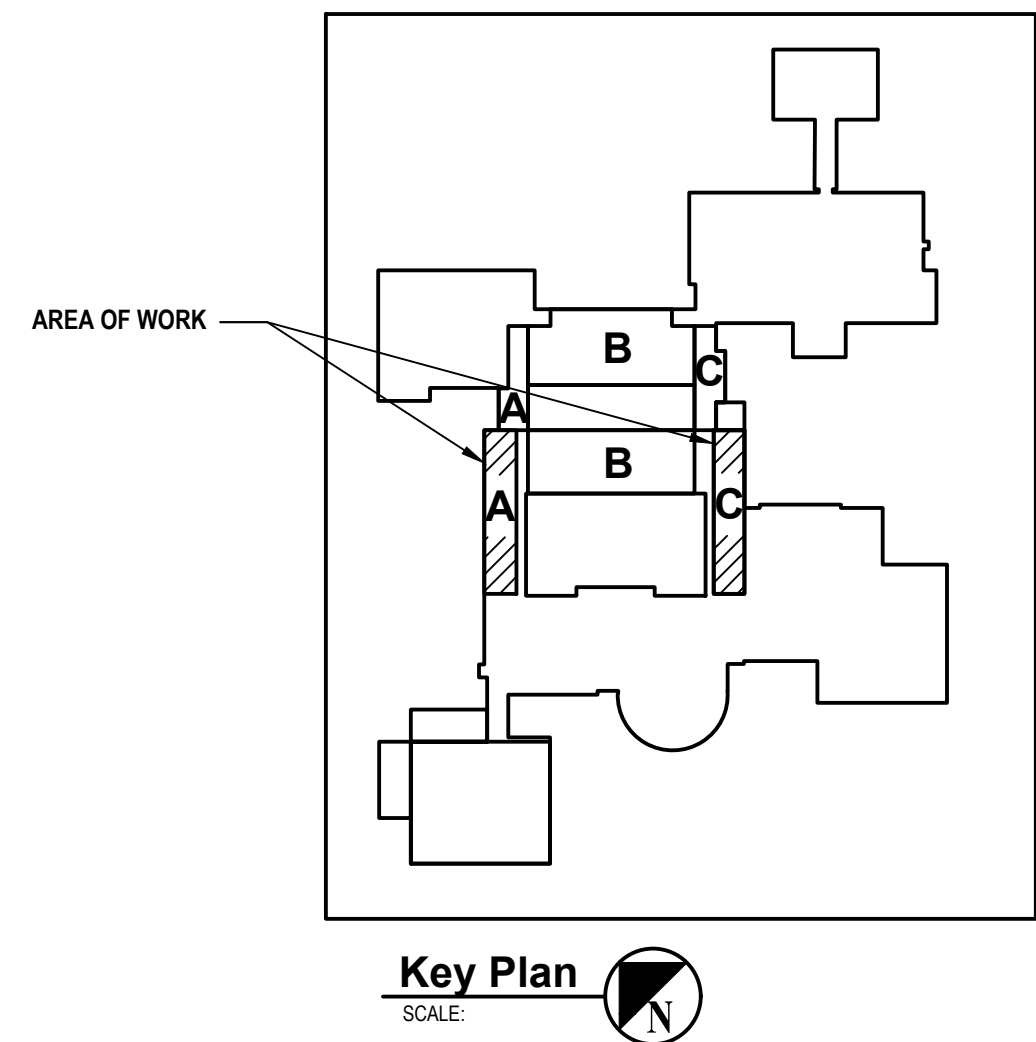
2 Ground Floor Plan Building C Part C
SCALE: 1/8"=1'-0"

KEYED NOTES:

- 1 PROVIDE NEW FULL-WINDOW-WIDTH INTAKE LOUVER AND ASSOCIATED PLENUM BOX AND INTAKE DUCTWORK IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. DEMOLISH EXISTING GLAZING PANEL WHERE NEW LOUVER IS TO BE INSTALLED AND REPLACE REMAINING WINDOW AREA WITH SPANDREL GLAZING - REFER TO SPECIFICATION "088000 - GLAZING".
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- 3 PROVIDE AND INSTALL MANUFACTURER SPECIFIED LOW VOLTAGE WALL MOUNTED THERMOSTATS SERVING NEW VERTICAL UNIT VENTILATOR

GENERAL NOTES:

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3. EXISTING UV RELIEF AIR PATH IS THROUGH TOILET 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. SEE SPECIFICATION "099123 - INTERIOR PAINTING" FOR INSTRUCTION REGARDING DUCTWORK PAINTING AND FINISH.
10. INSTALL ALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.



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

CONSULTANTS:

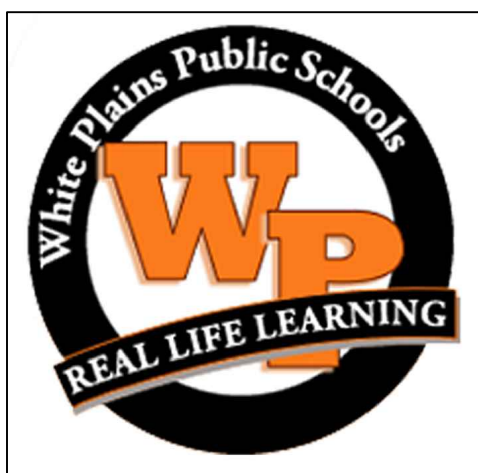
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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
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CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

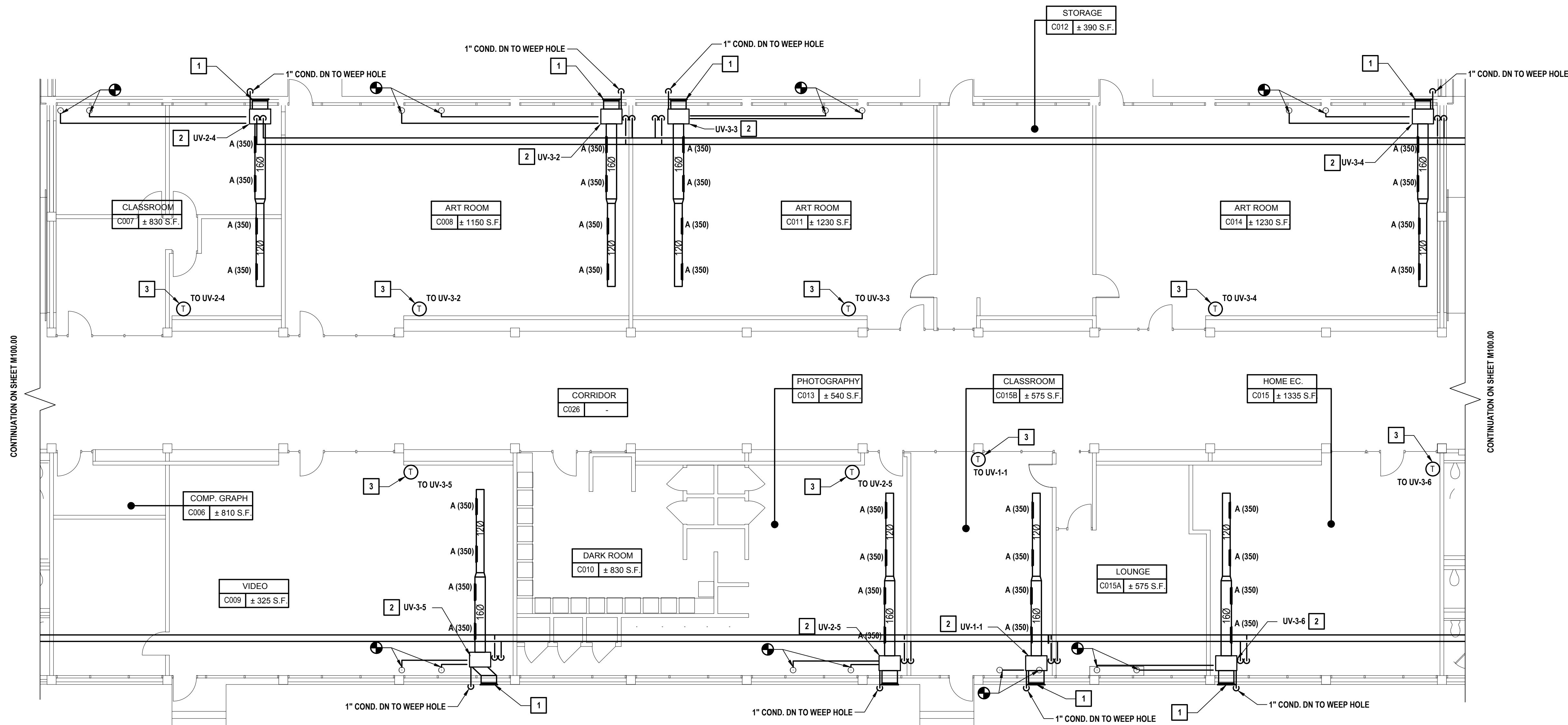
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CONTRACT
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL GROUND
FLOOR PLAN BUILDING C
PART B**

DRAWING No.
M 101.00



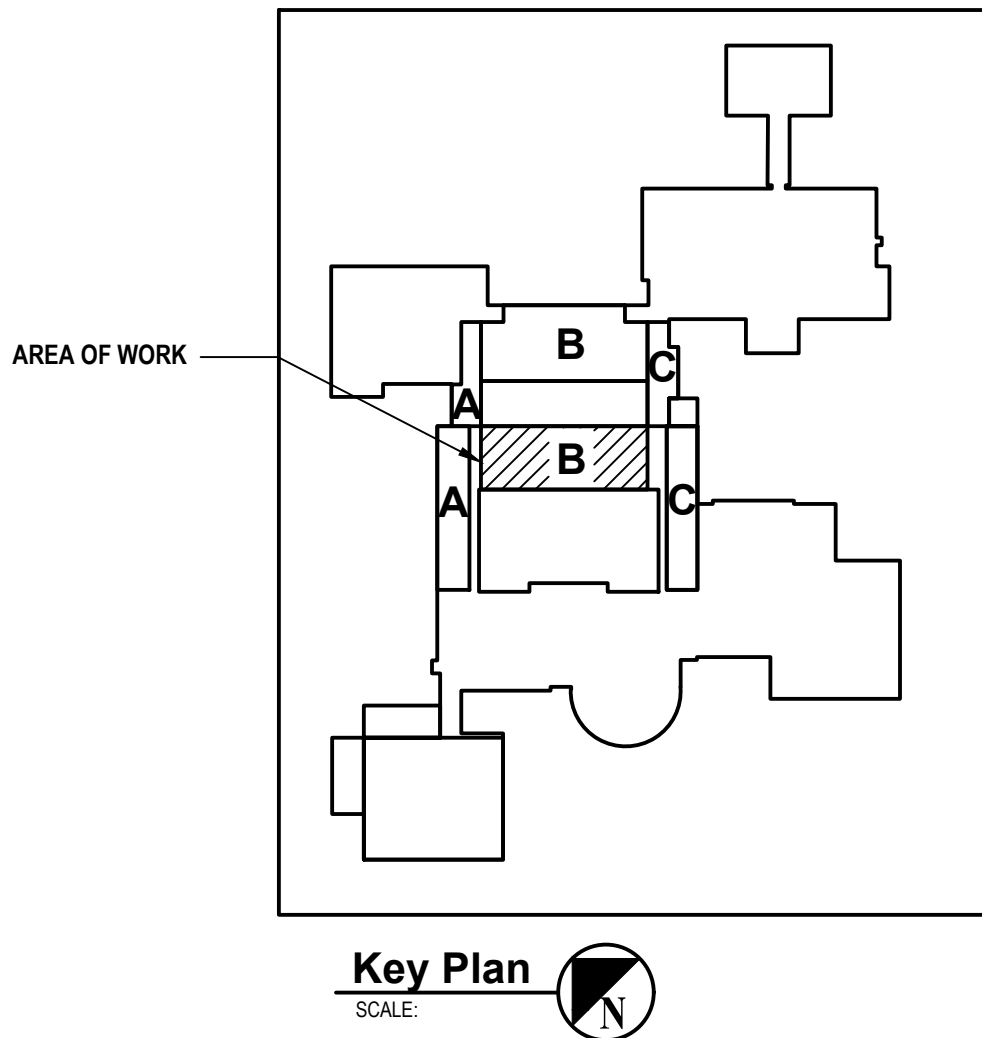
1 Ground Floor Plan Building C Part B
SCALE: 1/8"=1'-0"

KEYED NOTES:

- 1 PROVIDE NEW FULL-WINDOW-WIDTH INTAKE LOUVER AND ASSOCIATED PLENUM BOX AND INTAKE DUCTWORK IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. DEMOLISH EXISTING GLAZING PANEL WHERE NEW LOUVER IS TO BE INSTALLED AND REPLACE REMAINING WINDOW AREA WITH SPANDREL GLAZING - REFER TO SPECIFICATION "088000 - GLAZING".
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CONSULTANTS:		

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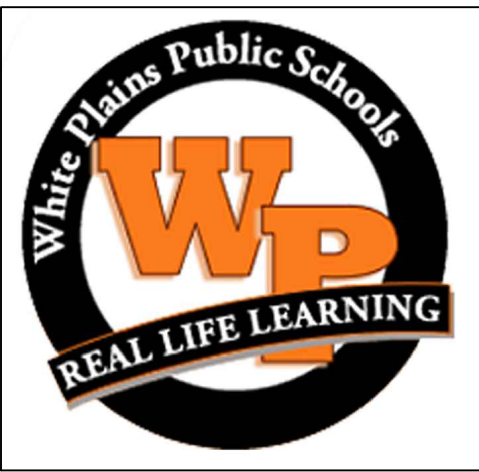


"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL."

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CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

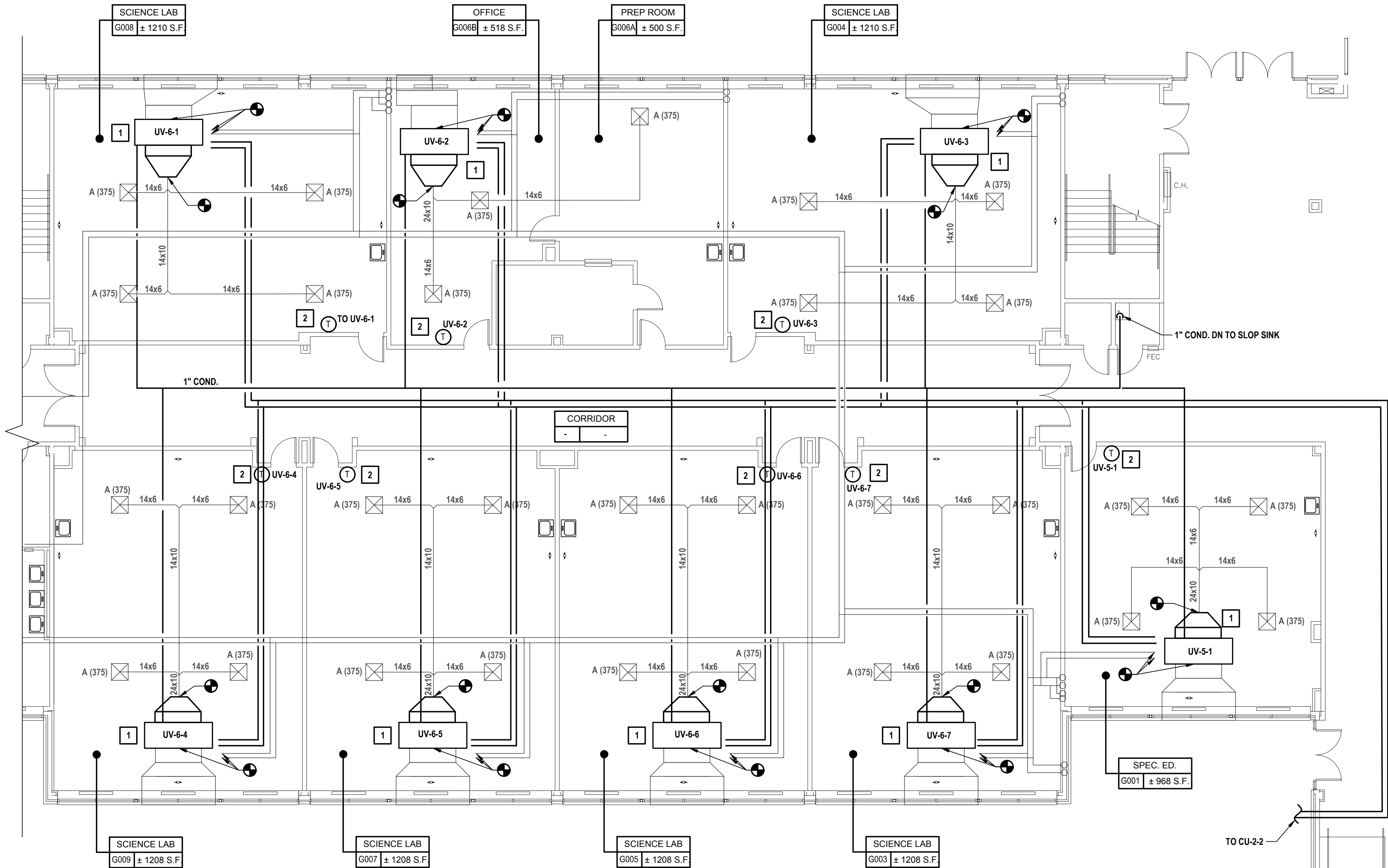
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CONTRACT
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL GROUND
FLOOR PLAN BUILDING G**

DRAWING No.
M 102.00



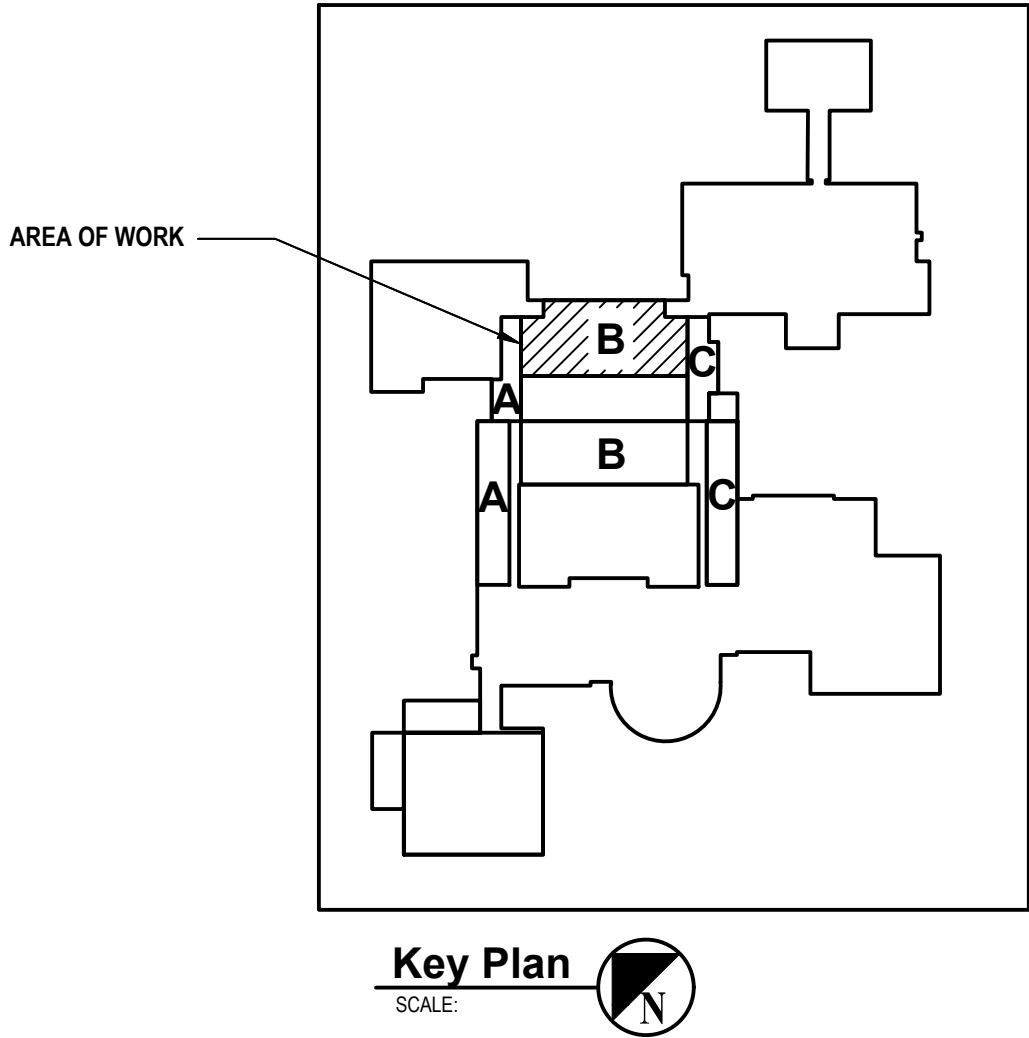
1 Ground Floor Building G Plan
SCALE: 1/8"=1'-0"

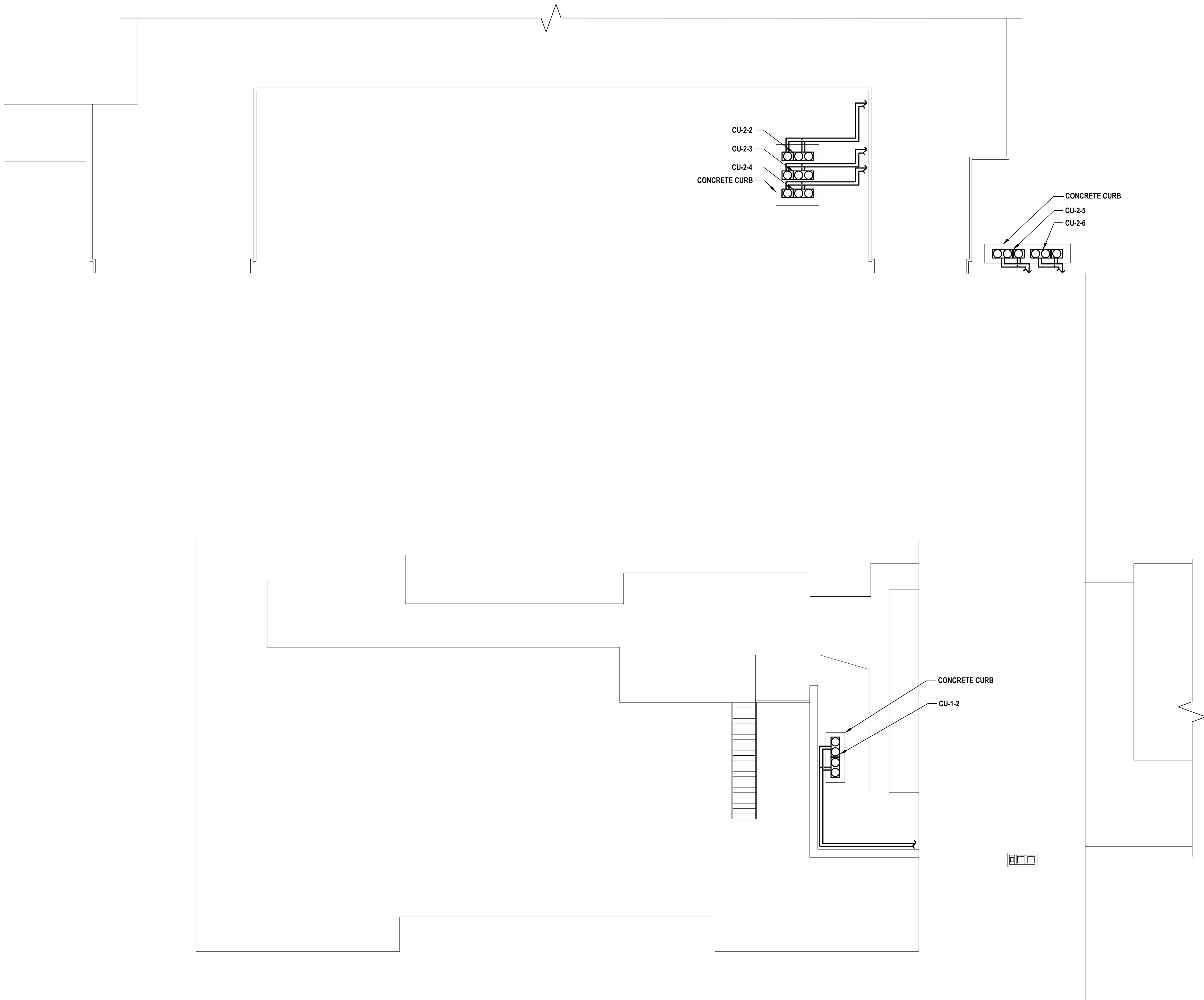
KEYED NOTES:

- 1 PROVIDE AND INSTALL PIPING, FITTINGS, VALVES, ETC AS REQUIRED TO COMPLETE RECONNECTION TO EXISTING LOOP. CONNECT NEW UNIT VENTILATOR HEATING COIL TO EXISTING HYDRONIC LOOP.
- 2 PROVIDE AND INSTALL MANUFACTURER SPECIFIED LOW VOLTAGE WALL MOUNTED THERMOSTATS SERVING NEW VERTICAL UNIT VENTILATOR

GENERAL NOTES:

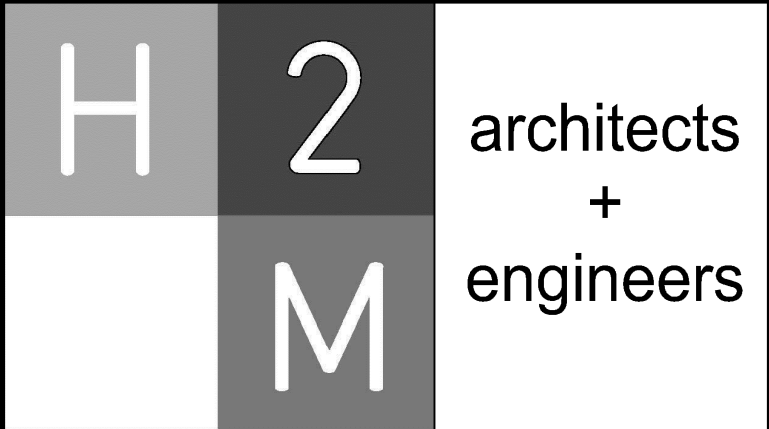
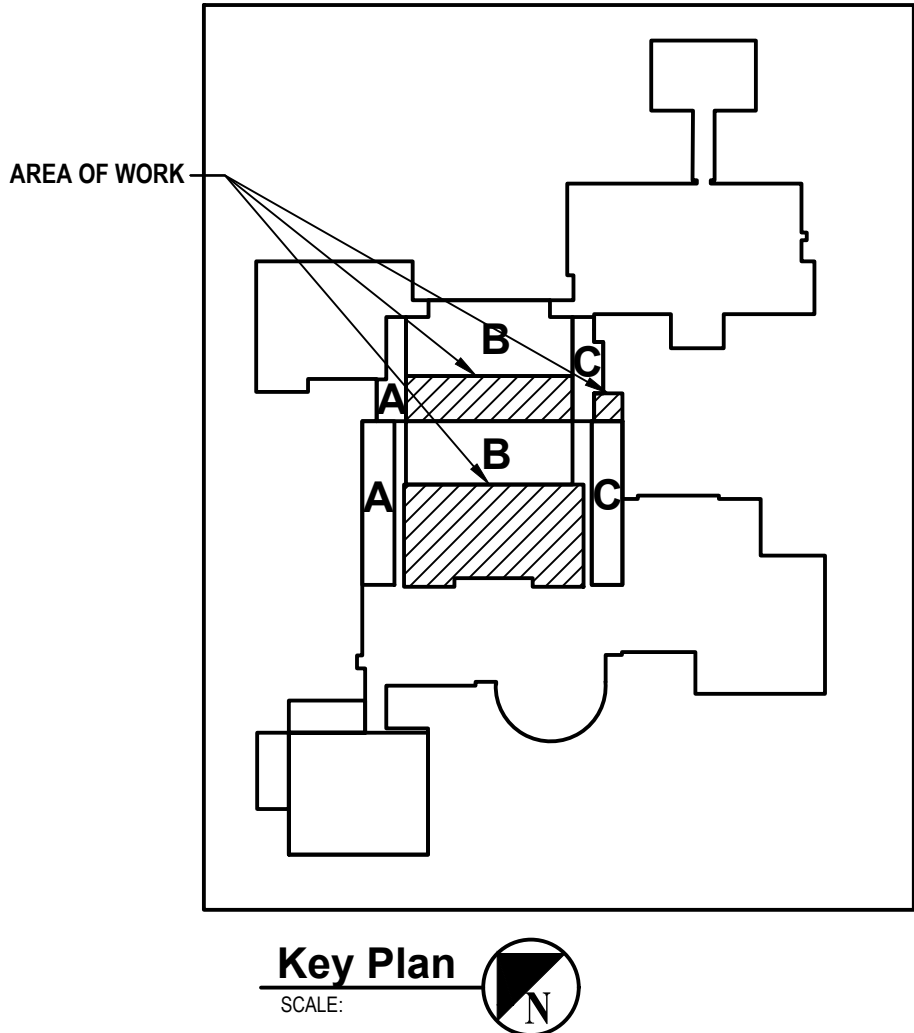
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2. DO NOT SCALE DRAWINGS. LINE WORK SHOWN IS SCHEMATIC. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS BASED ON DESIGN INTENT, SURVEY OF EXISTING CONDITIONS, AND COORDINATION WITH OTHER TRADES.
3. EXISTING UV RELIEF AIR PATH IS THROUGH TOILET EXHAUST FANS.
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 CEILING GRID (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. ROUTE CONDENSATE LINE TO NEAREST JANITORS CLOSET SLOP SINK.
10. INSTALL ALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.





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1 Ground Floor Building G Courtyard
SCALE: 1/16"=1'-0"



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Purchase, NY 10577
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CONSULTANTS:

MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT

DESIGNED BY: DAK
PROJECT NO.: WPSD2110

DRAWN BY: DAK
DATE: FEBRUARY 2023

CHECKED BY: BMC
SCALE: AS SHOWN

REVIEWED BY: REVIEWER

CLIENT

White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**

**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

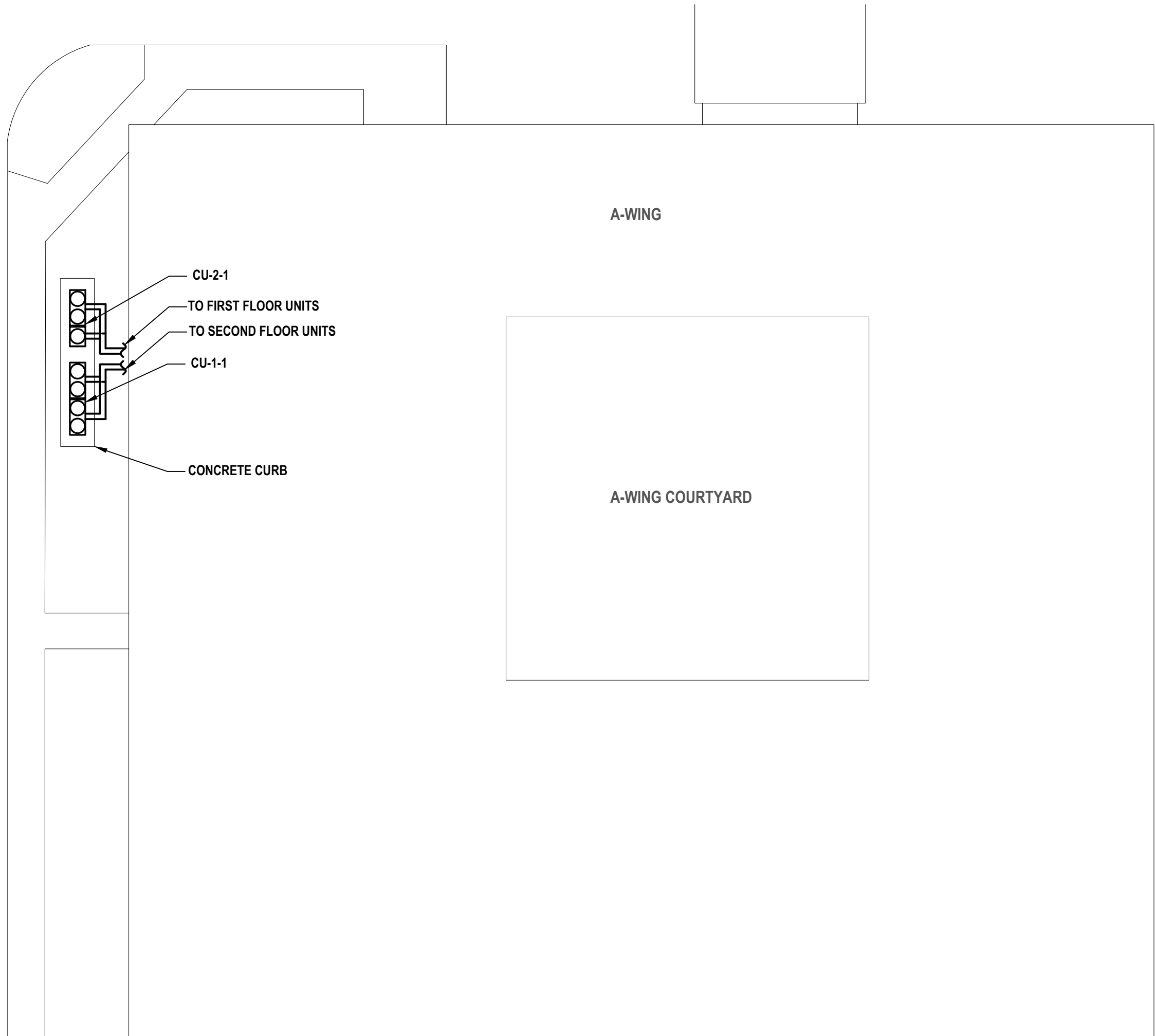
FINAL BID DOCUMENT

SHEET TITLE

**MECHANICAL GROUND
FLOOR PLAN BUILDINGS C &
G COURTYARD AREAS**

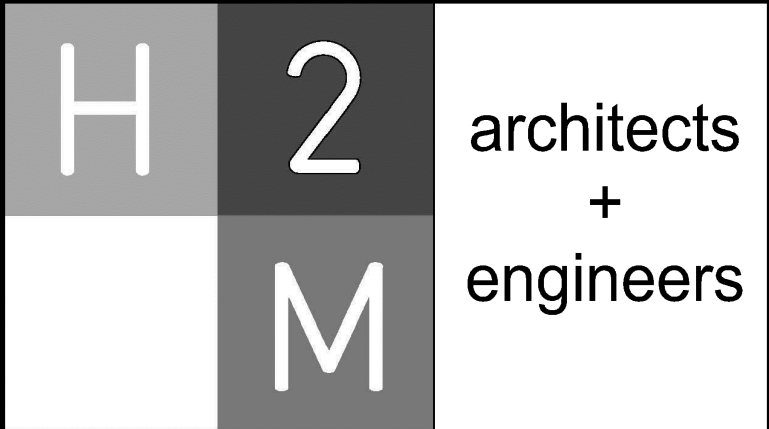
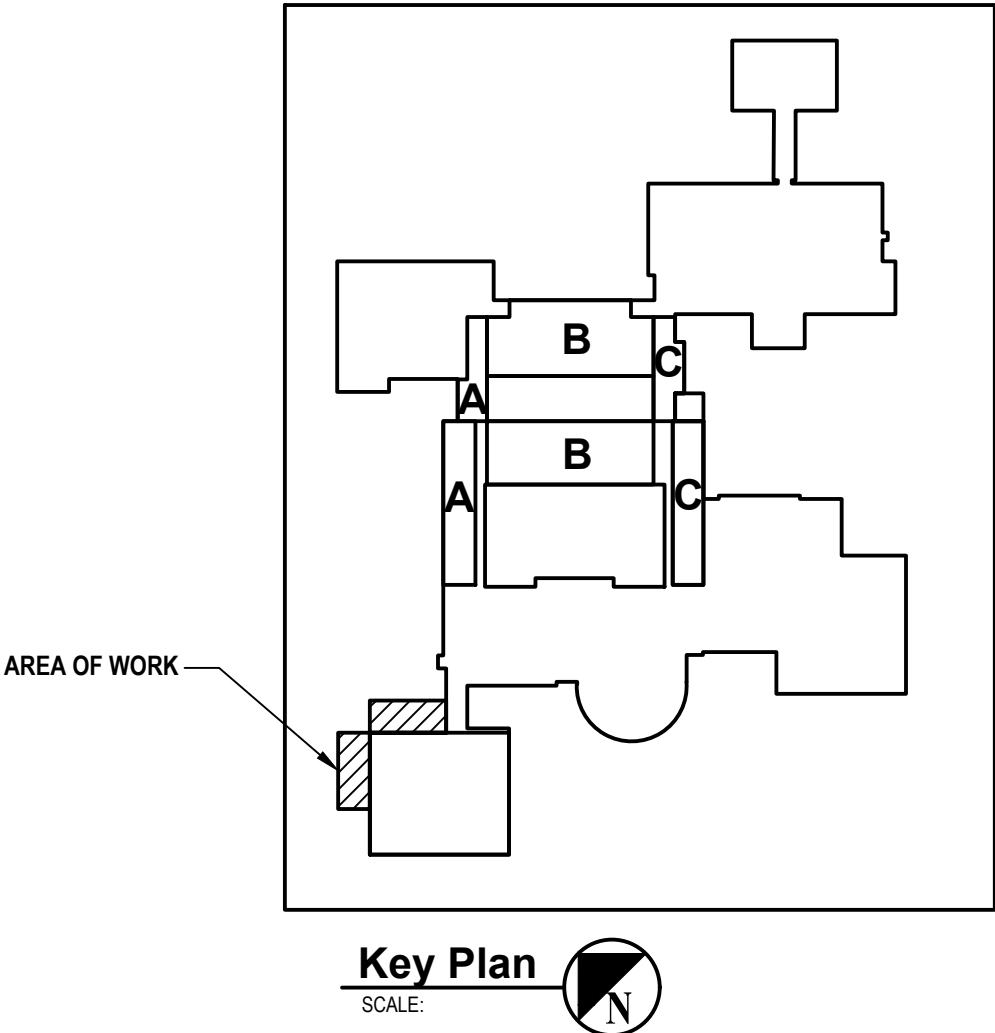
DRAWING No.

M 103.00



1 Ground Floor Building A Plan
SCALE: 1/16"=1'-0"

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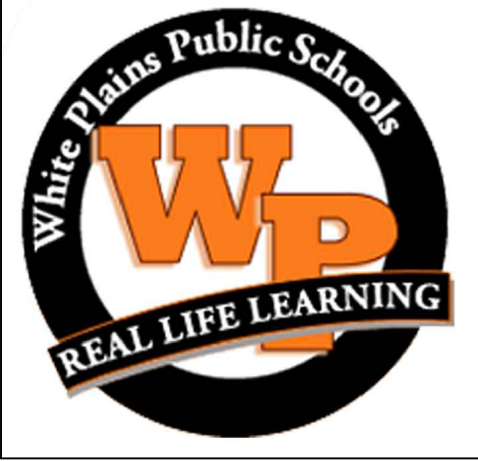


DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

**MECHANICAL GROUND
FLOOR PLAN BUILDING A
COURTYARD AREAS**

DRAWING No.

M 104.00

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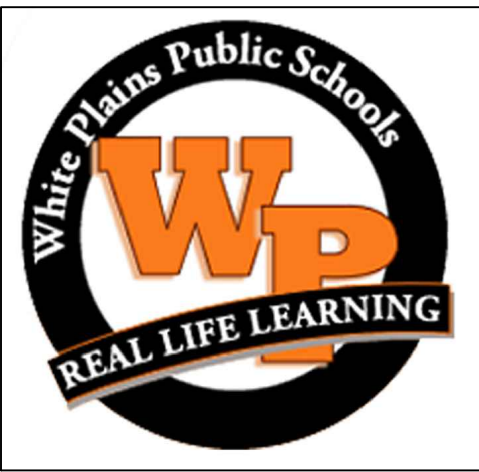
MARK	DATE	DESCRIPTION
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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO: WPSPD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

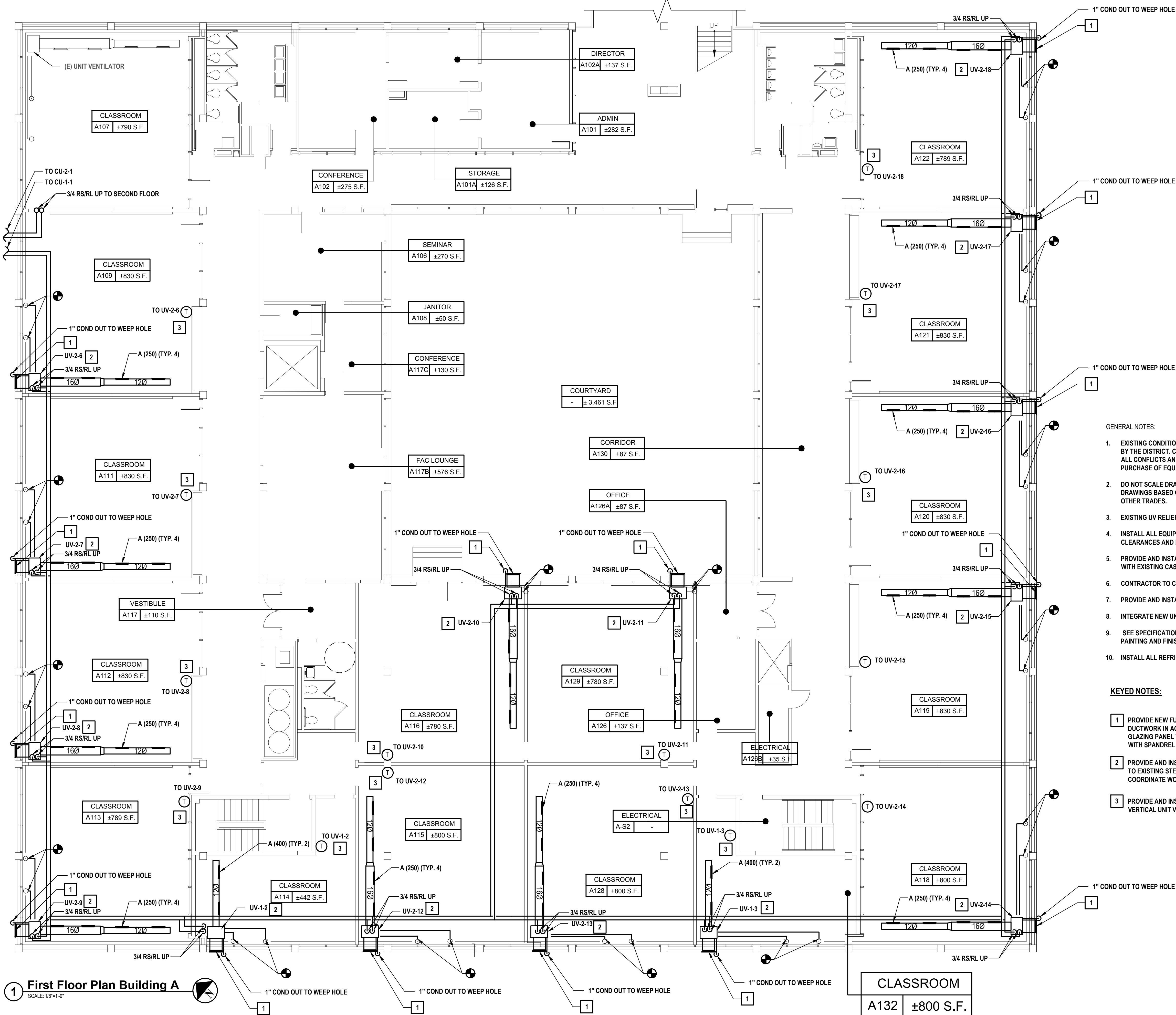
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CONTRACT
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS
FINAL BID DOCUMENT

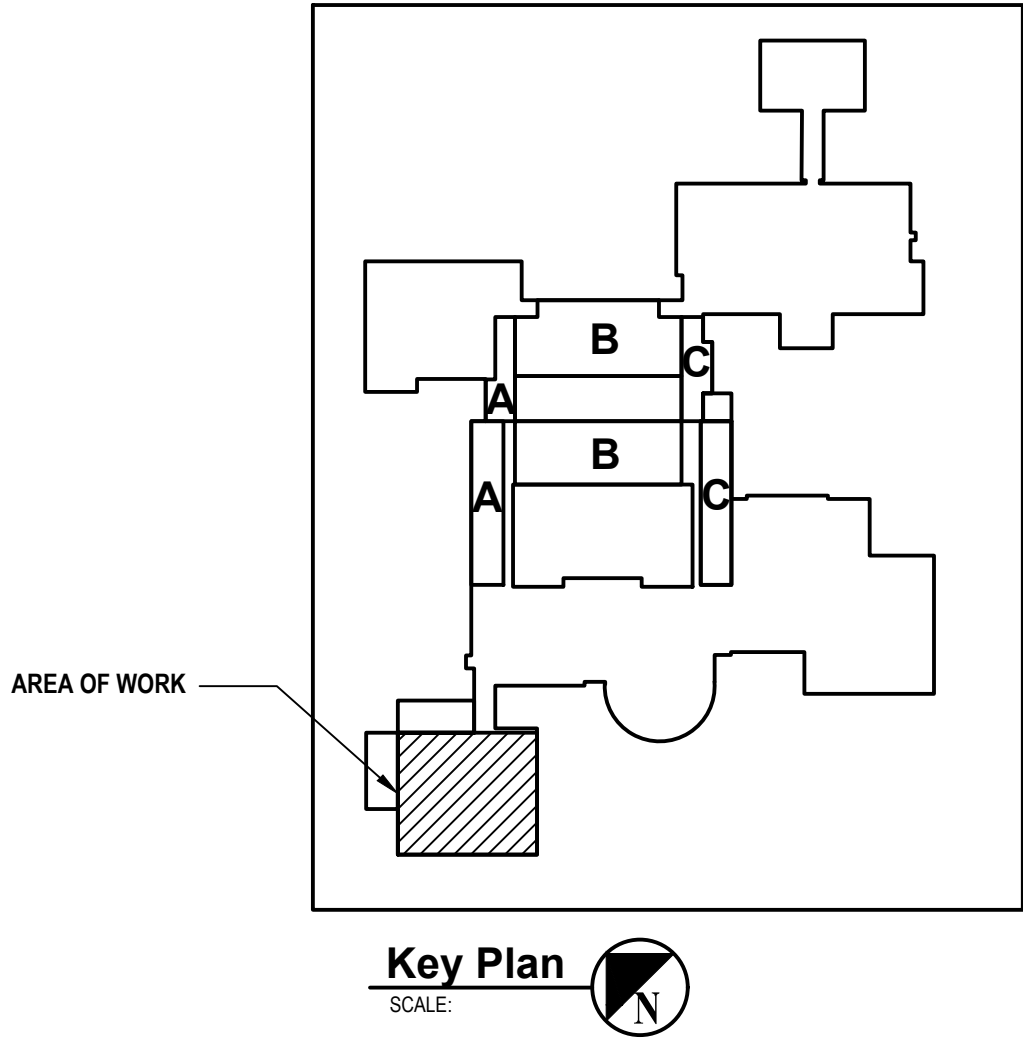
SHEET TITLE
**MECHANICAL FIRST FLOOR
PLAN BUILDING A**

DRAWING No.
M 110.00

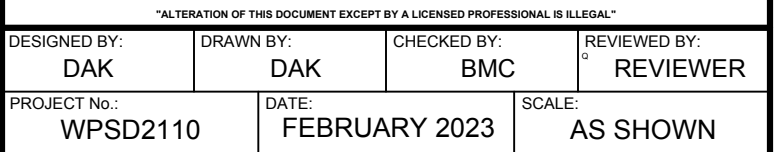


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 - SEE SPECIFICATION "099123 - INTERIOR PAINTING" FOR INSTRUCTION REGARDING DUCTWORK PAINTING AND FINISH.
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- KEYED NOTES:
- PROVIDE NEW FULL-WINDOW-WIDTH INTAKE LOUVER AND ASSOCIATED PLENUM BOX AND INTAKE DUCTWORK IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. DEMOLISH EXISTING GLAZING PANEL WHERE NEW LOUVER IS TO BE INSTALLED AND REPLACE REMAINING WINDOW AREA WITH SPANDREL GLAZING - REFER TO SPECIFICATION "088000 - GLAZING".
 - PROVIDE AND INSTALL PIPING, FITTINGS, STEAM TRAPS, VALVES, ETC AS REQUIRED TO COMPLETE RECONNECTION TO EXISTING STEAM SYSTEM. CONNECT NEW UNIT VENTILATOR HEATING COIL IN EXISTING STEAM SYSTEM. COORDINATE WORK WITH ANY CASEWORK RENOVATIONS.
 - PROVIDE AND INSTALL MANUFACTURER SPECIFIED LOW VOLTAGE WALL MOUNTED THERMOSTATS SERVING NEW VERTICAL UNIT VENTILATOR



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

[illegible]

CLIENT **White Plains City School District**

WHITE PLAINS HIGH SCHOOL UNIT VENTILATOR REPLACEMENTS



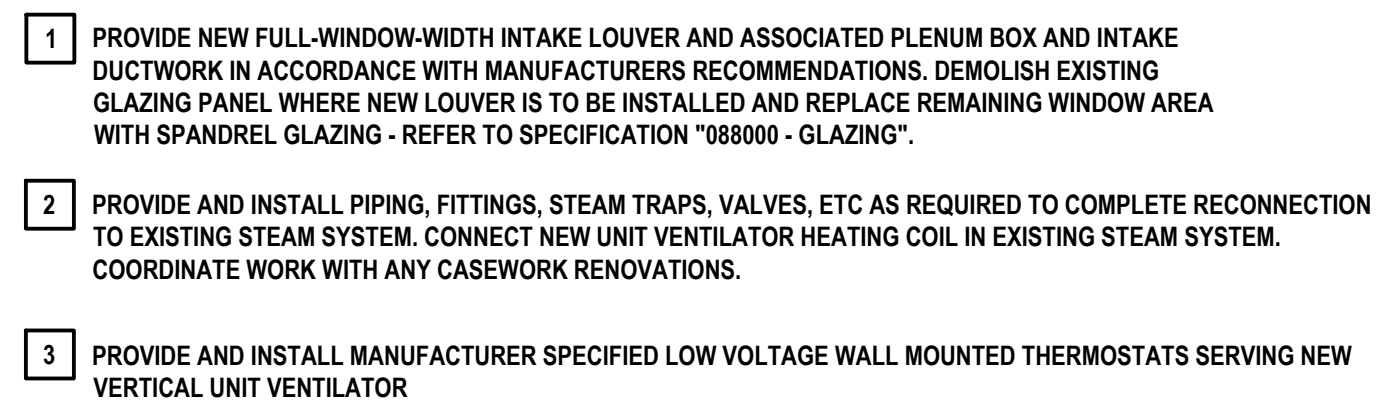
SED No. 66-22-00-01-0-16-028

CONTRACT H HEATING VENTILATION AND AIR CONDITIONING

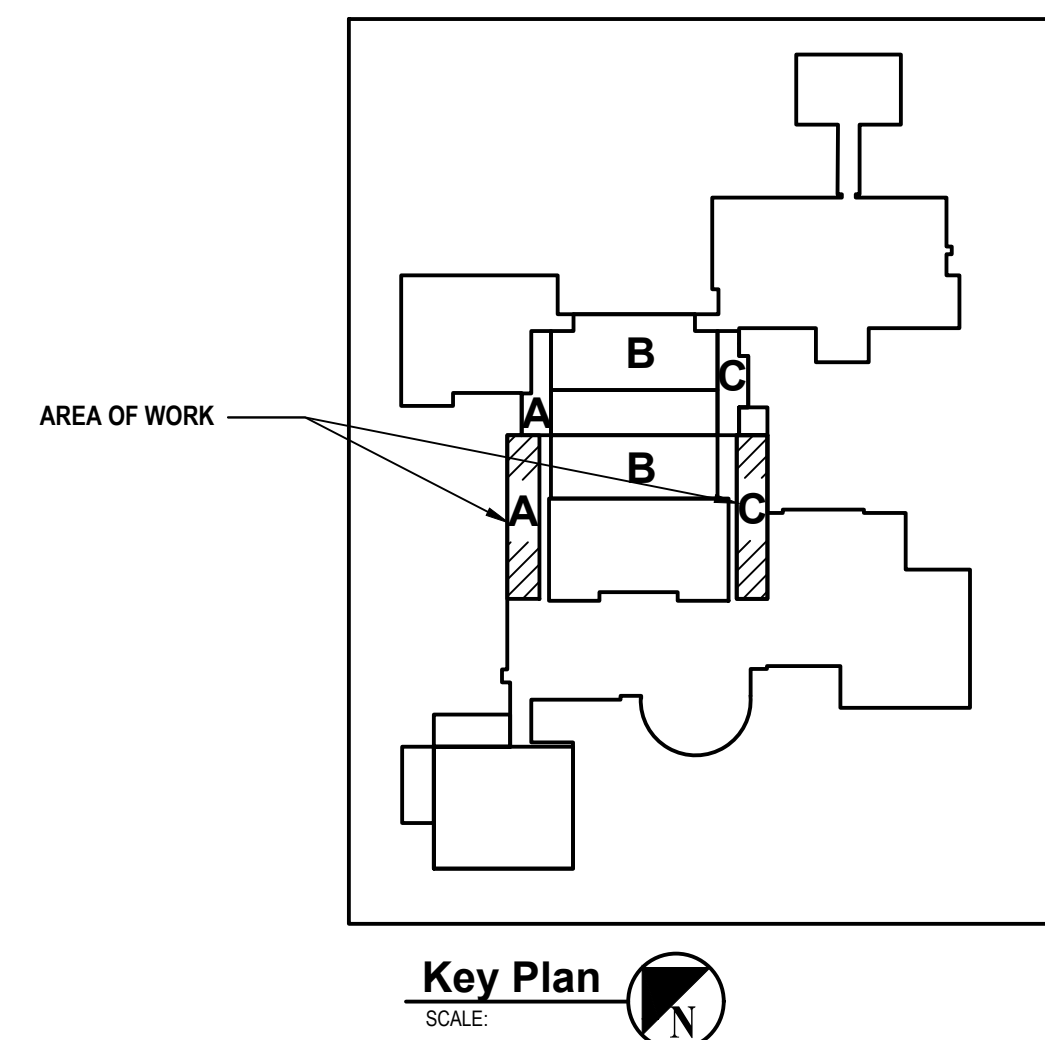
STATUS **FINAL BID DOCUMENT**

**MECHANICAL FIRST FLOOR
PLAN BUILDING C PARTS A &
C**

M 111.00



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9. SEE SPECIFICATION "099123 - INTERIOR PAINTING" FOR INSTRUCTION REGARDING DUCTWORK PAINTING AND FINISH.
10. INSTALL ALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.



CONSULTANTS:

MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT

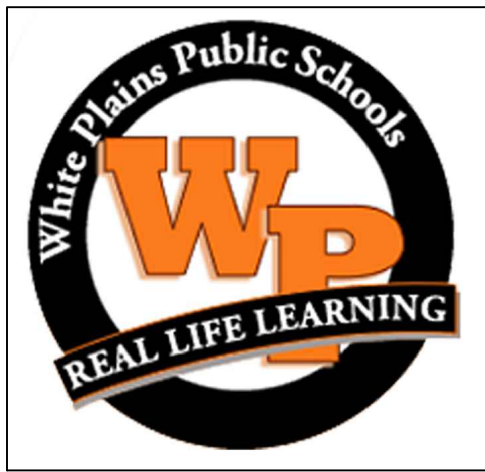


DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
DAK	DAK	BMC	REVIEWER
PROJECT NO.:	DATE:	SCALE:	
WPSD2110	FEBRUARY 2023	AS SHOWN	

CLIENT:

White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

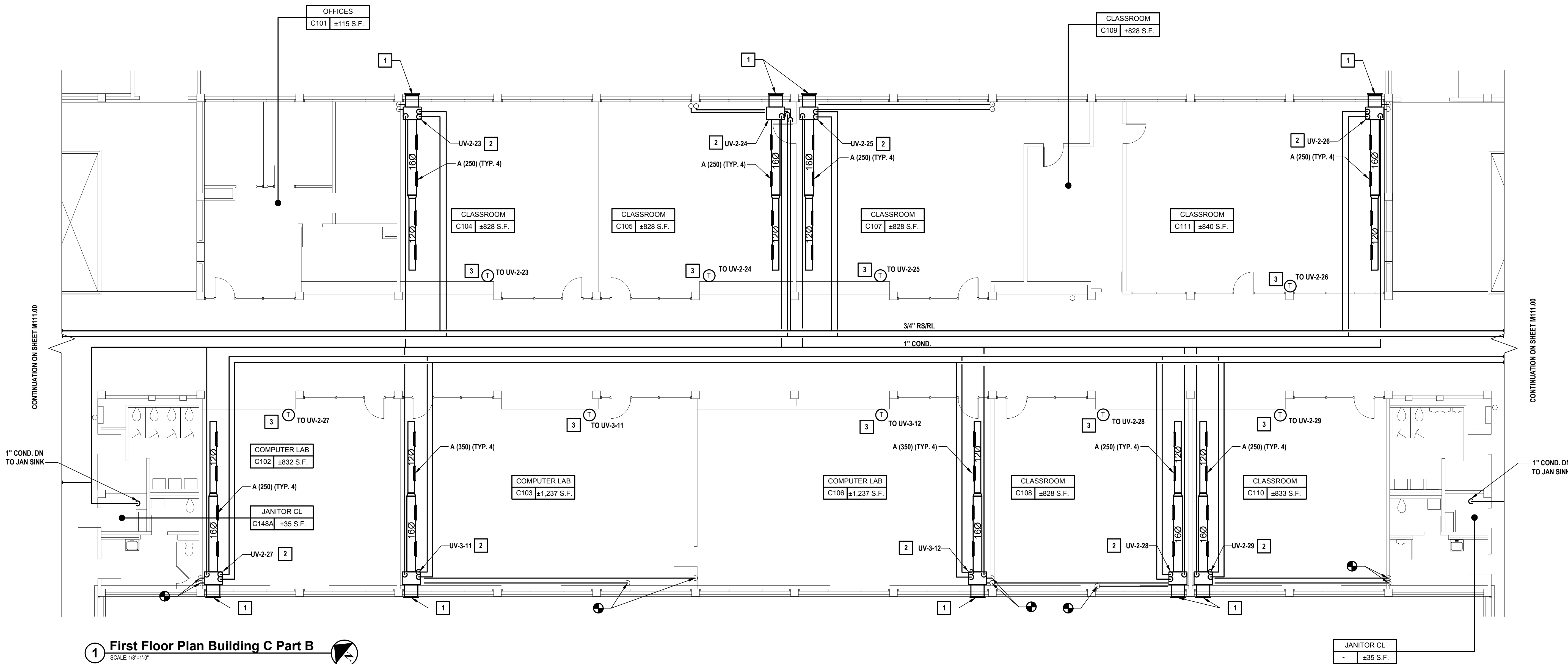
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SHEET TITLE

**MECHANICAL FIRST FLOOR
PLAN BUILDING C PART B**

DRAWING No.

M 112.00

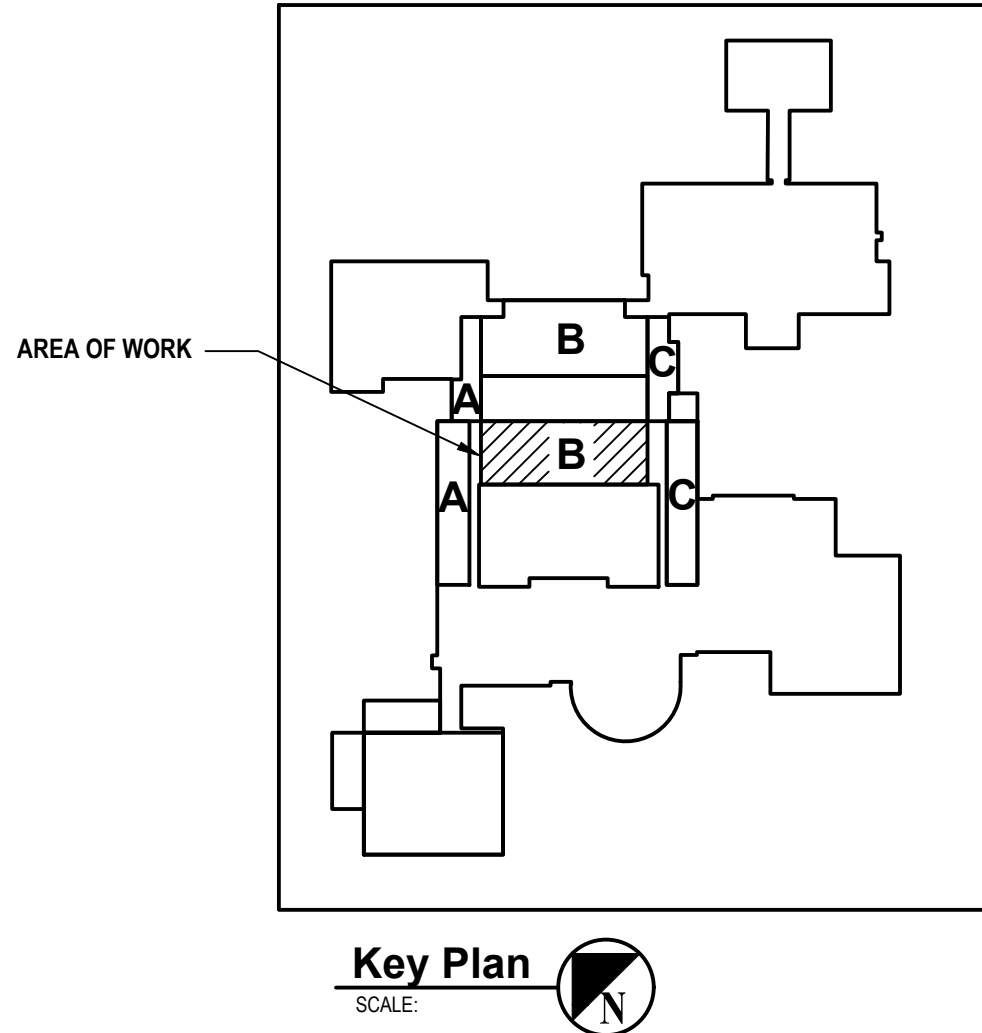


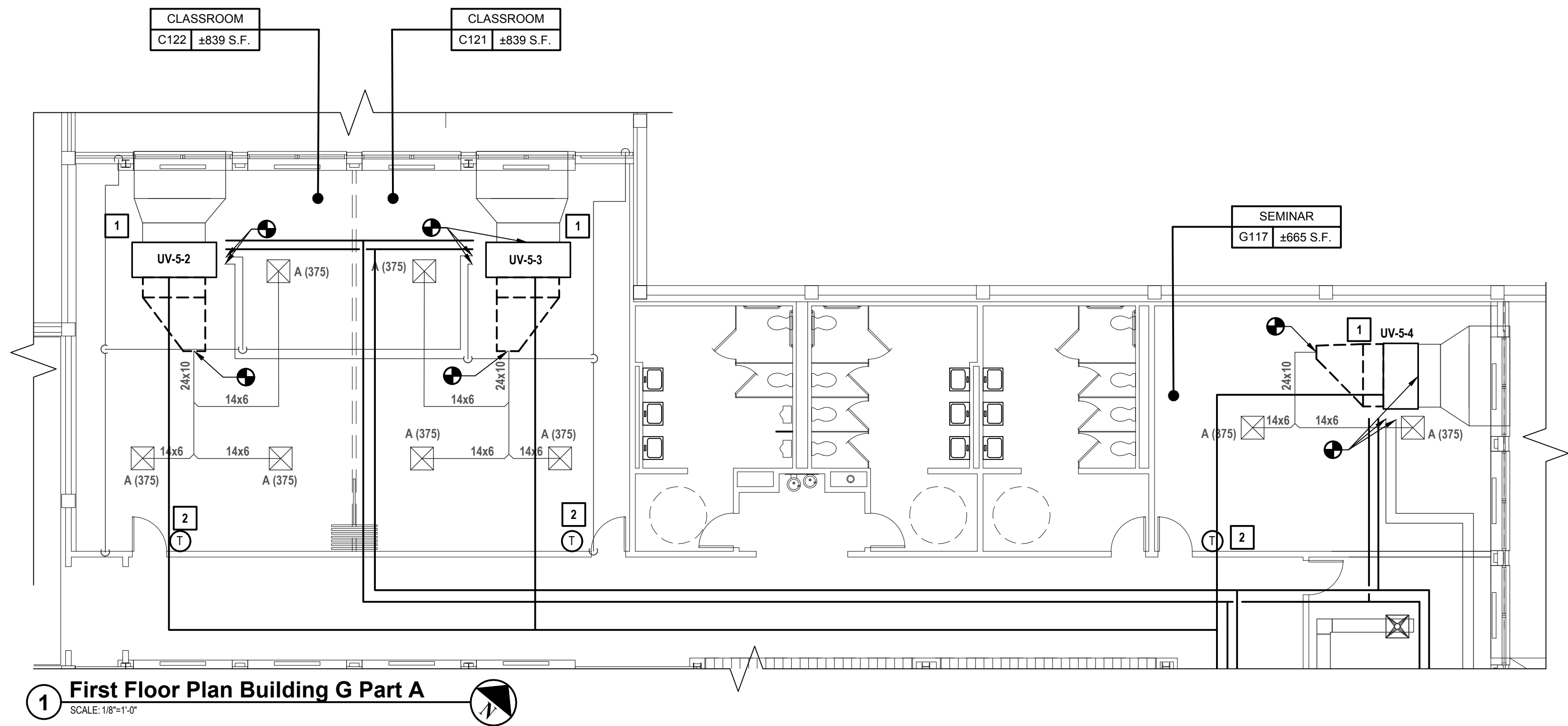
KEYED NOTES:

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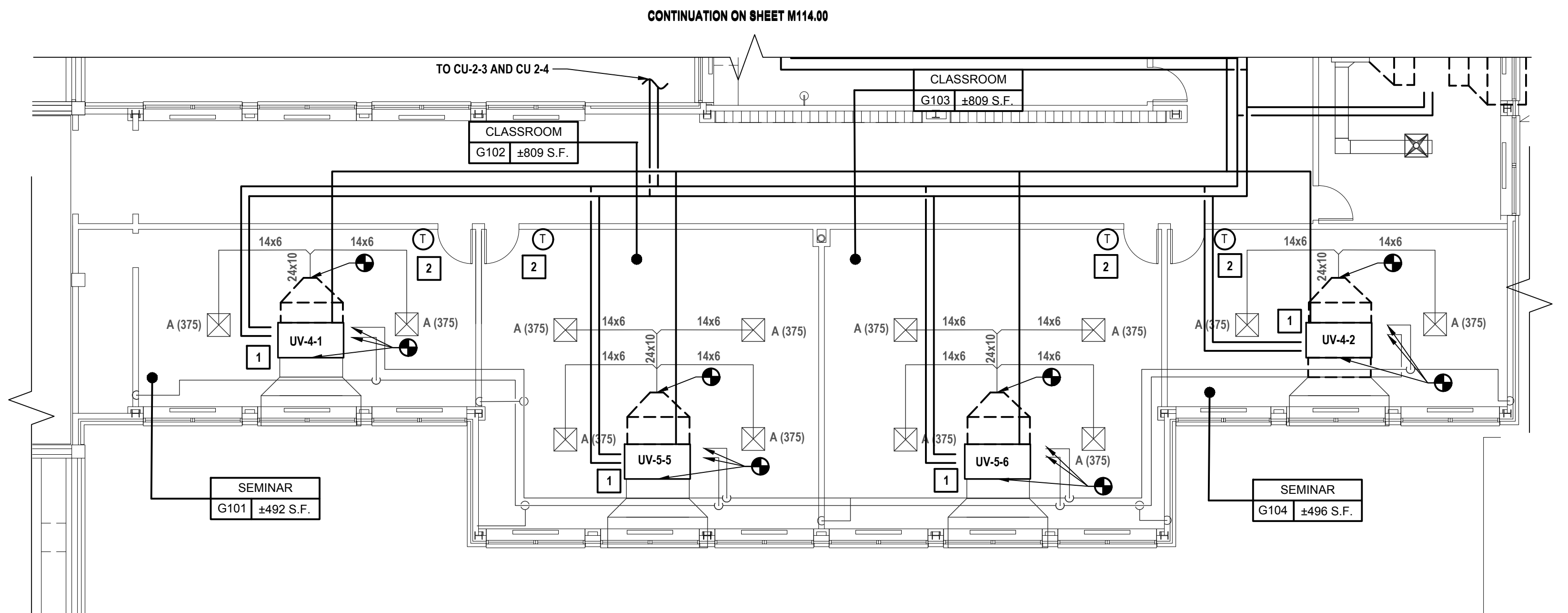
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1 First Floor Plan Building G Part A
SCALE: 1/8"=1'-0"



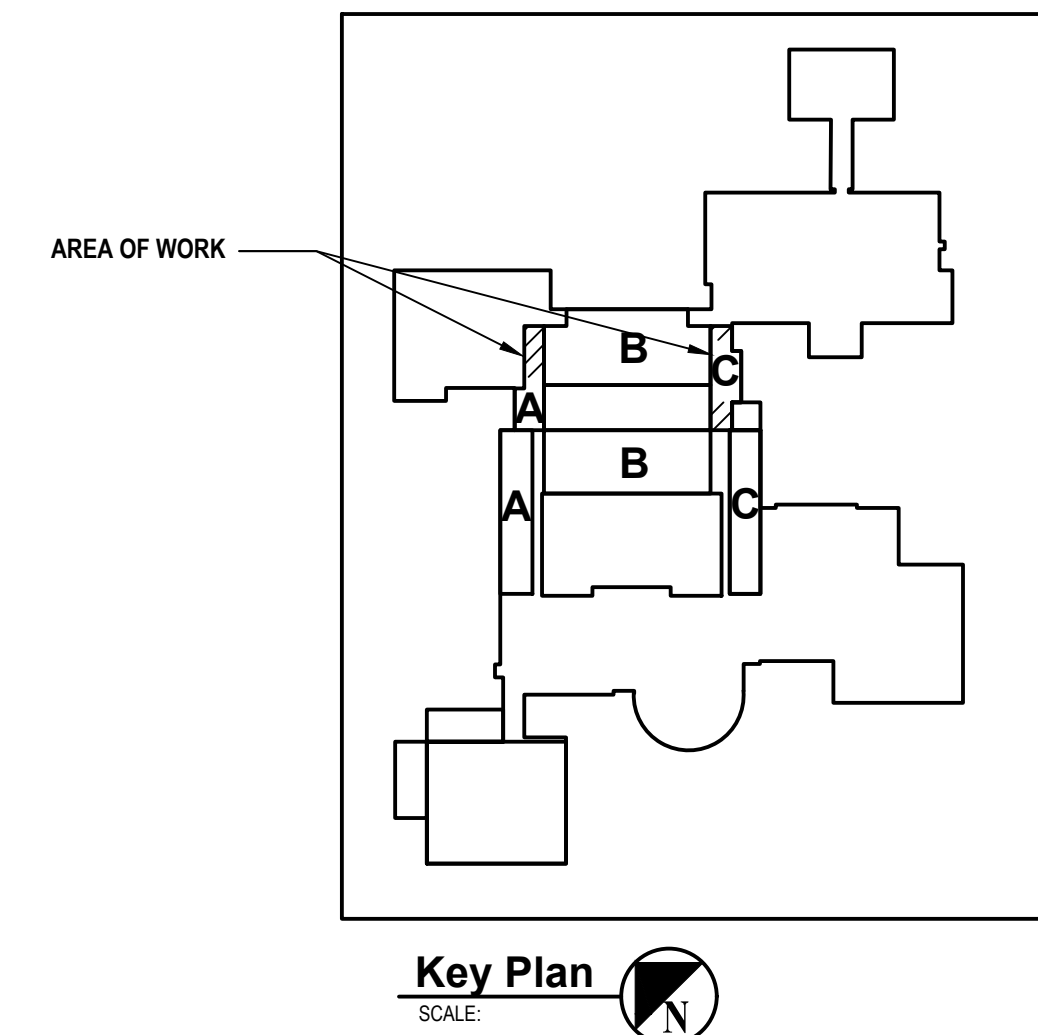
2 First Floor Plan Building G Part C
SCALE: 1/8"=1'-0"

GENERAL NOTES:

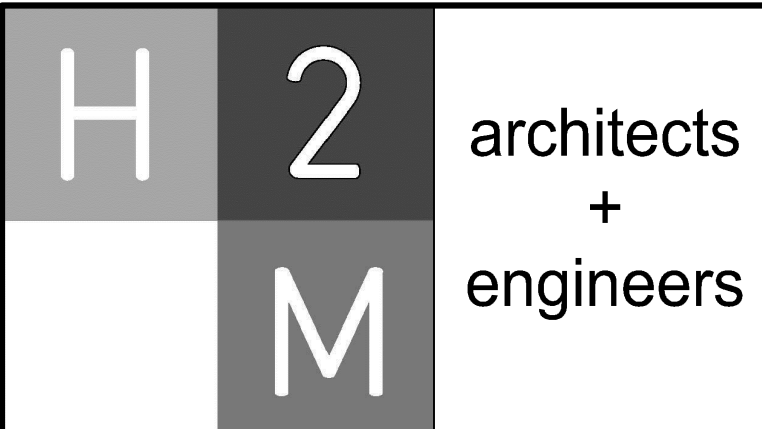
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Key Plan
SCALE: 1/8"=1'-0"



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CONSULTANTS:

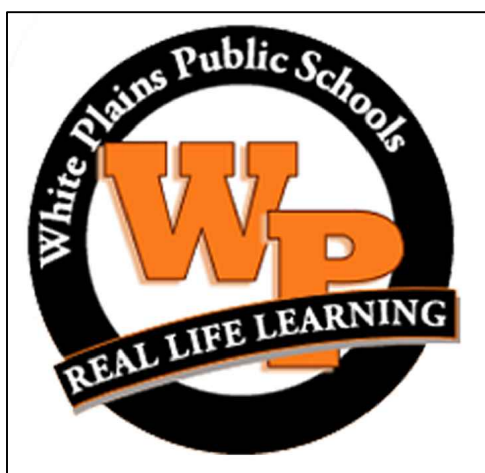
MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT



DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

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

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL FIRST FLOOR PLAN
BUILDING G PARTS A & C**

DRAWING No.
M 113.00

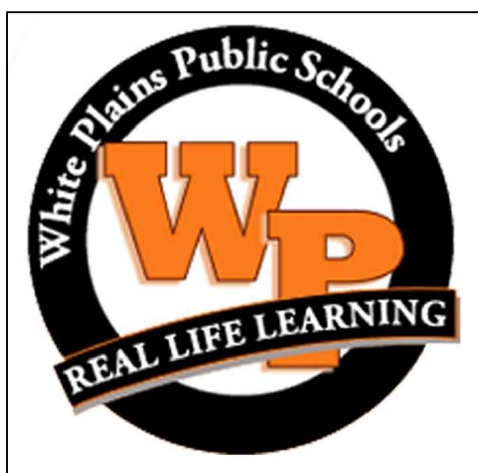
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PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

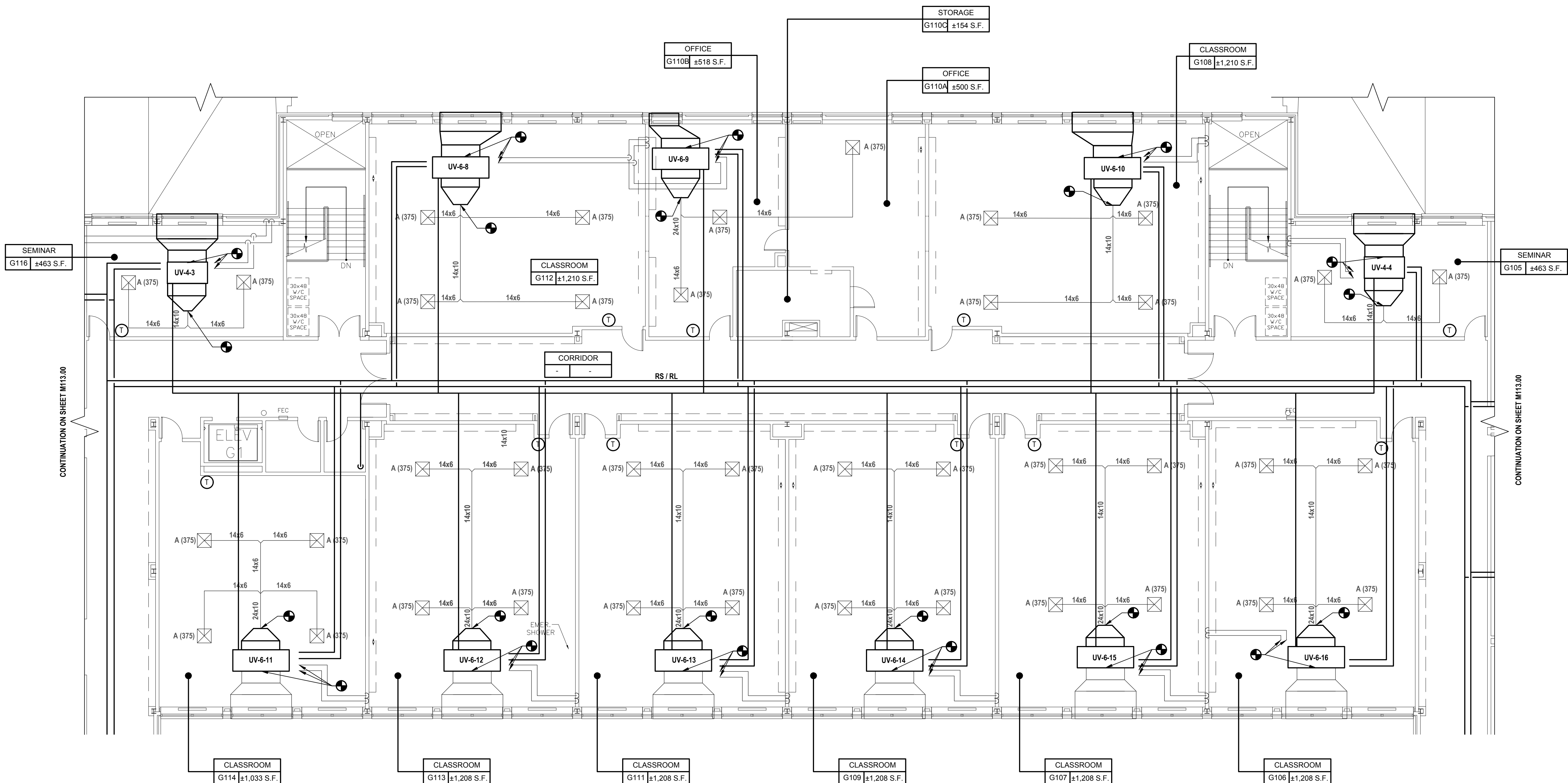
SED No. 66-22-00-01-0-16-028

CONTRACT
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STATUS
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SHEET TITLE
**MECHANICAL FIRST
FLOOR PLAN BUILDING G
PART B**

DRAWING No.
M 114.00



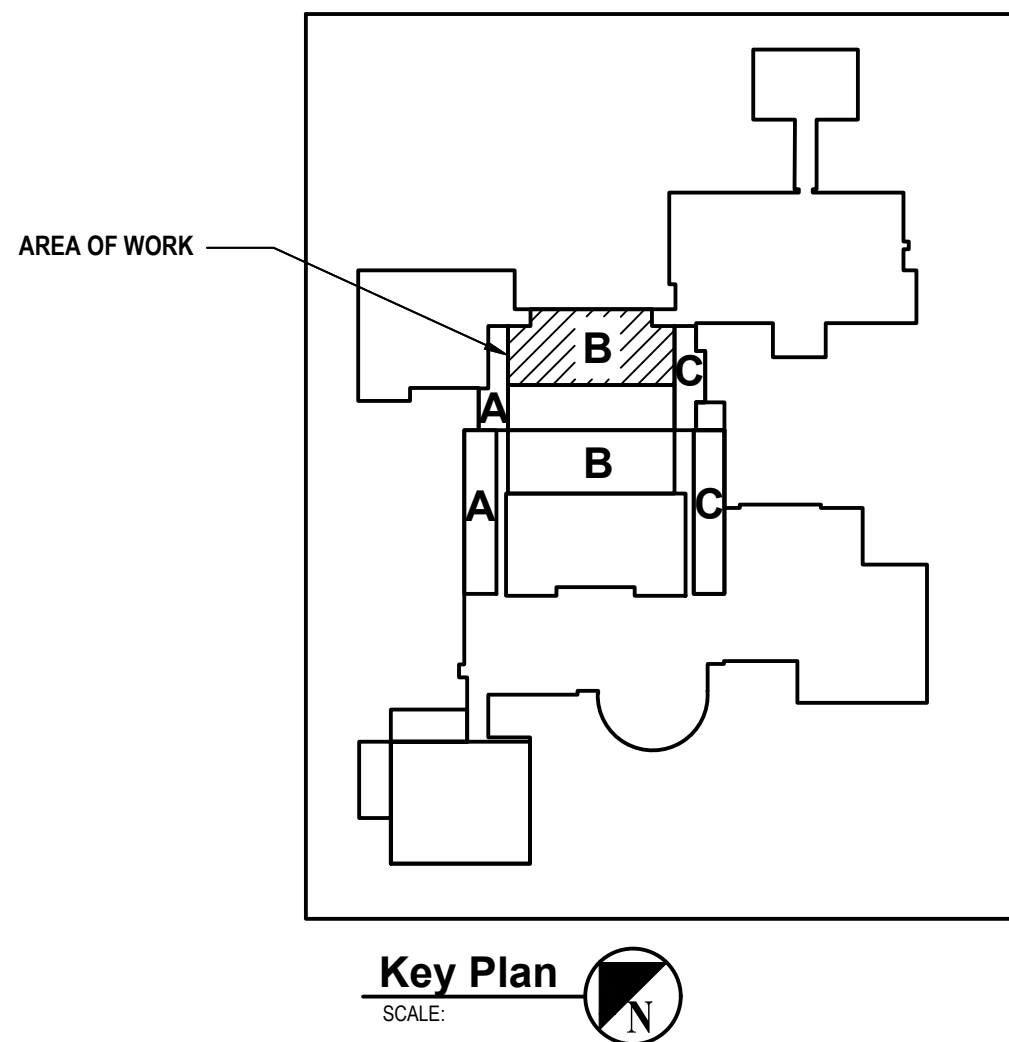
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KEYED NOTES:

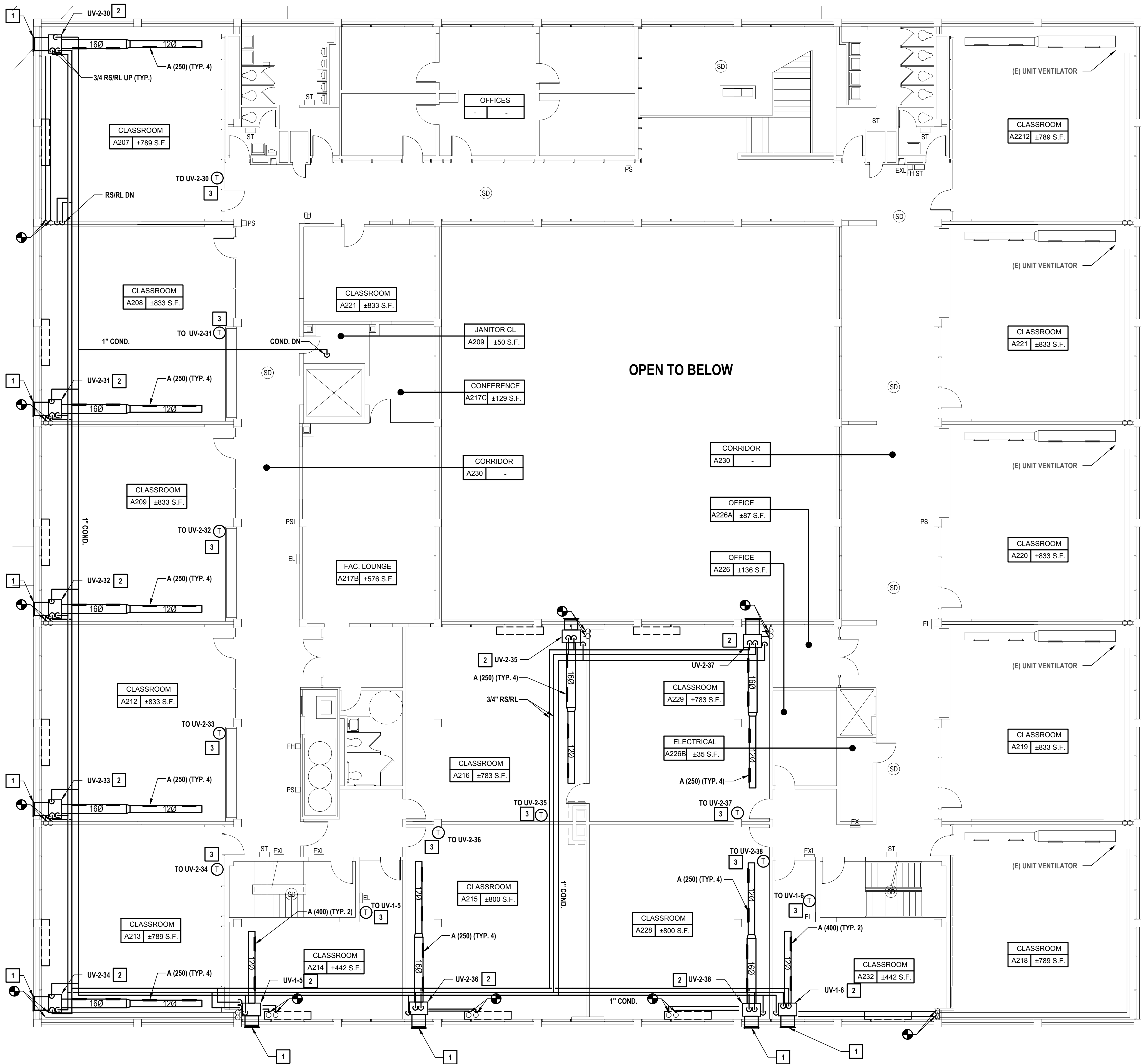
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Key Plan
SCALE: 1/8"=1'-0"



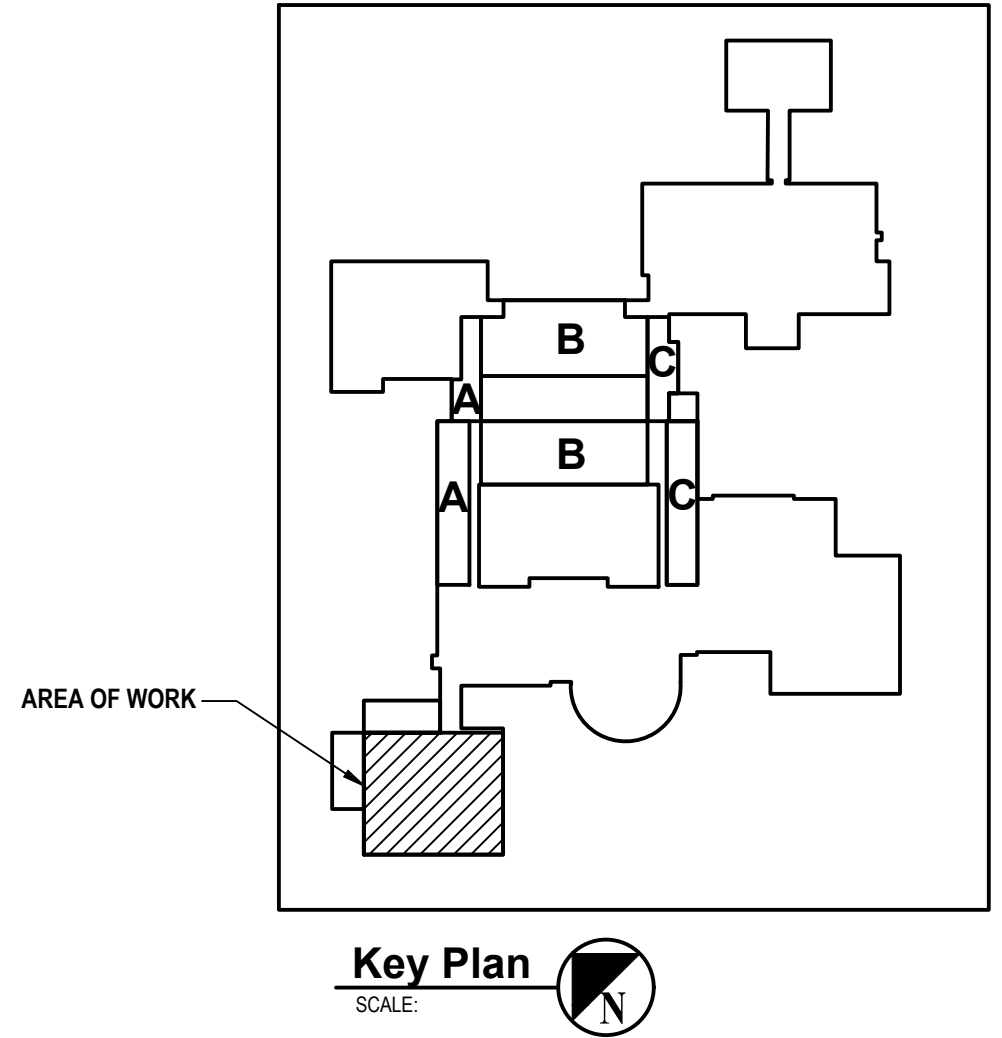
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GENERAL NOTES:

- 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.
- 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.
- EXISTING UV RELIEF AIR PATH IS THROUGH TOILET EXHAUST FANS.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S REQUIRED MAINTENANCE CLEARANCES AND PREVAILING CODE.
- PROVIDE AND INSTALL FILLER PANELS AS REQUIRED TO FILL GAPS AND FIT NEW UNIT VENTILATOR WITH EXISTING CASEWORK (IF REQUIRED).
- 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.
- SEE 'A' DRAWINGS FOR INSTRUCTION REGARDING DUCTWORK PAINTING AND FINISH.
- ROUTE CONDENSATE LINE TO NEAREST JANITORS CLOSET SLOP SINK.
- INSTALL ALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

KEYED NOTES:

- PROVIDE NEW FULL-WINDOW-WIDTH INTAKE LOUVER AND ASSOCIATED PLENUM BOX AND INTAKE DUCTWORK IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. DEMOLISH EXISTING GLAZING PANEL WHERE NEW LOUVER IS TO BE INSTALLED AND REPLACE REMAINING WINDOW AREA WITH SPANDREL GLAZING - REFER TO SPECIFICATION "088000 - GLAZING".
- 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 VERTICAL UNIT VENTILATOR



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CONSULTANTS:

MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT

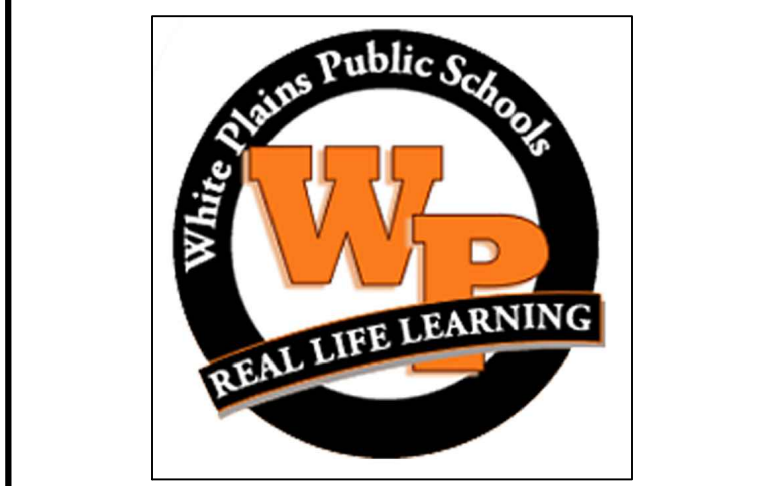
STATE OF NEW YORK
JULIUS J. CASTELL
099167
LICENSED PROFESSIONAL ENGINEER

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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

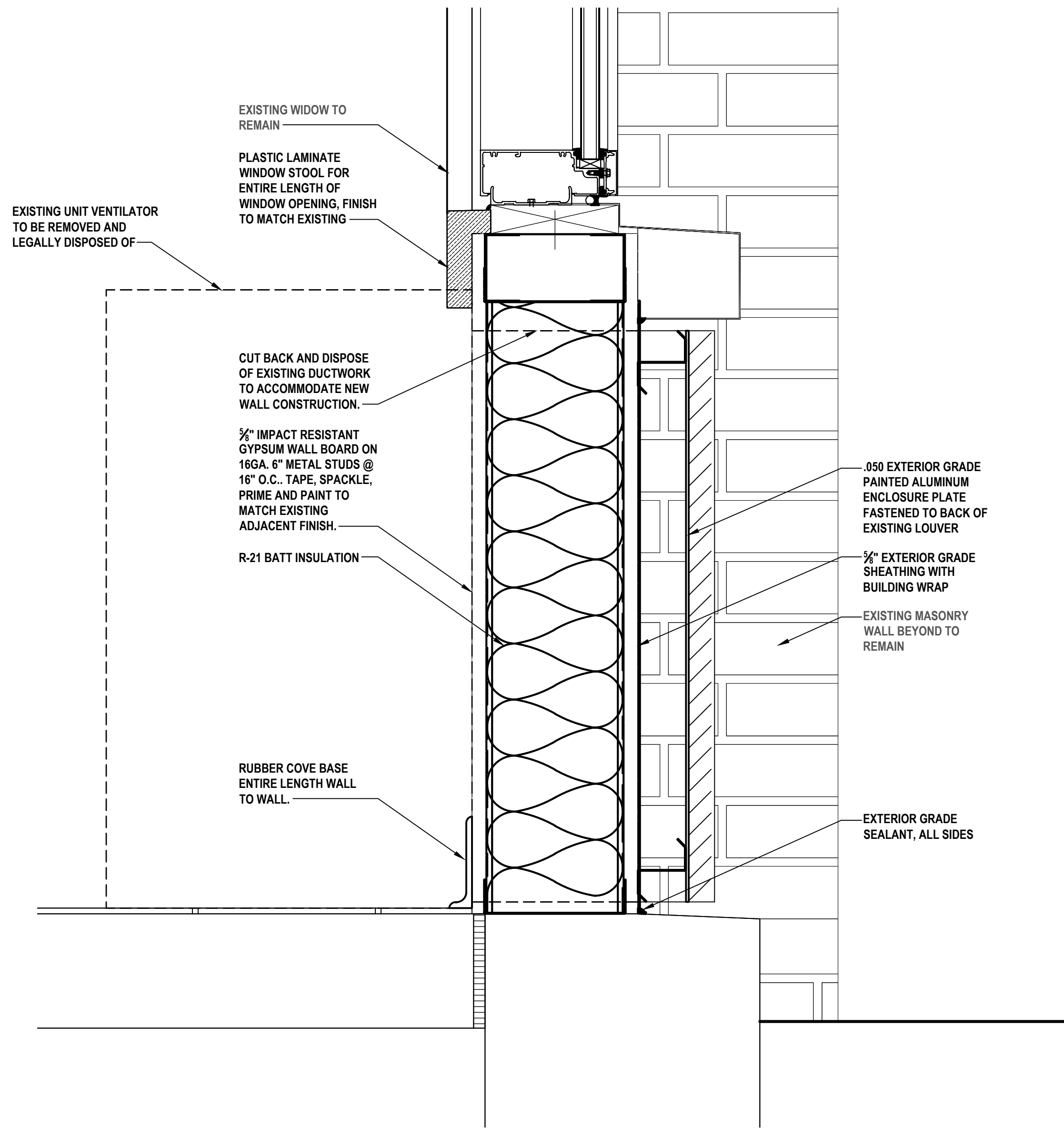
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CONTRACT
**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

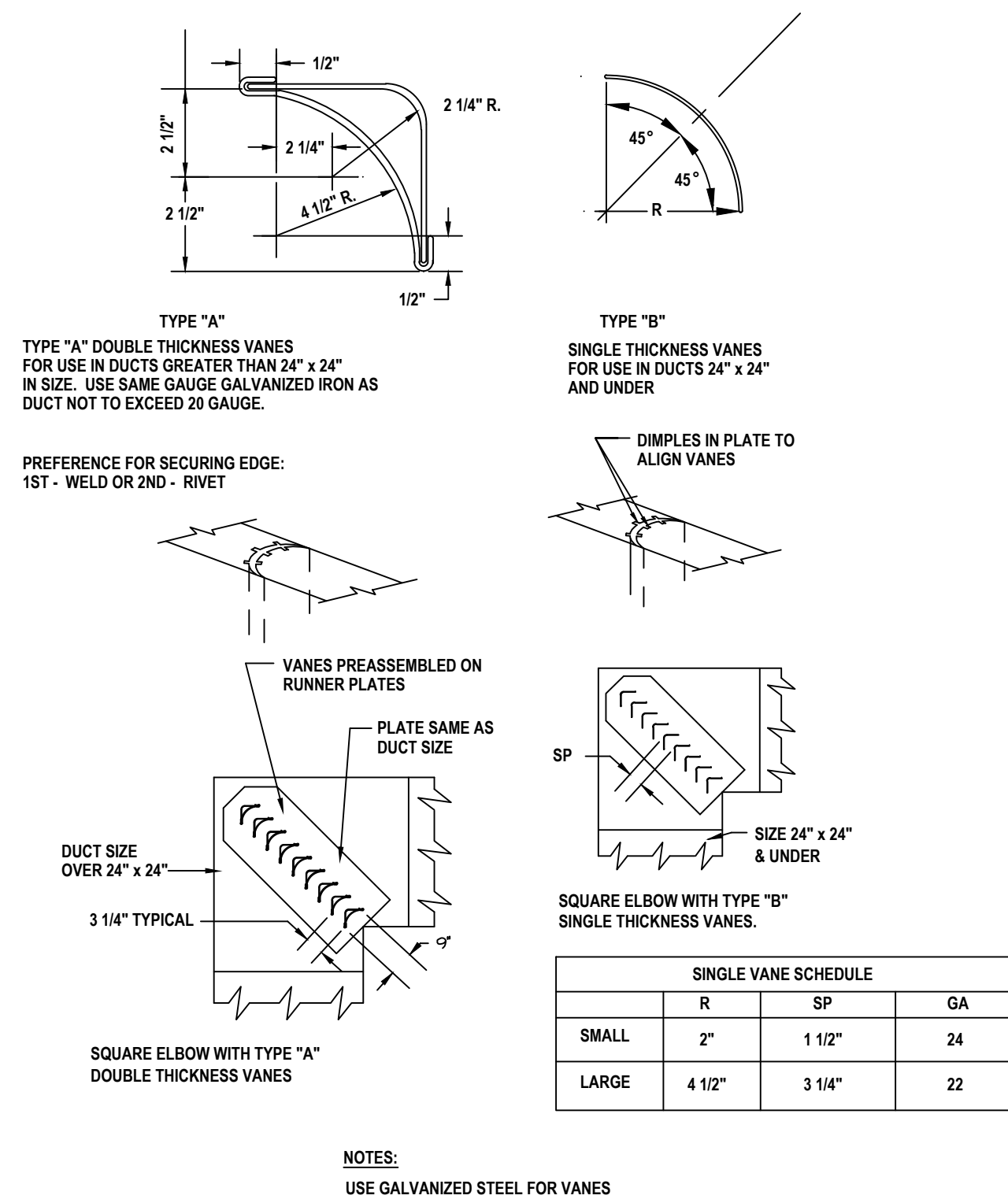
STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL SECOND
FLOOR PLAN BUILDING A**

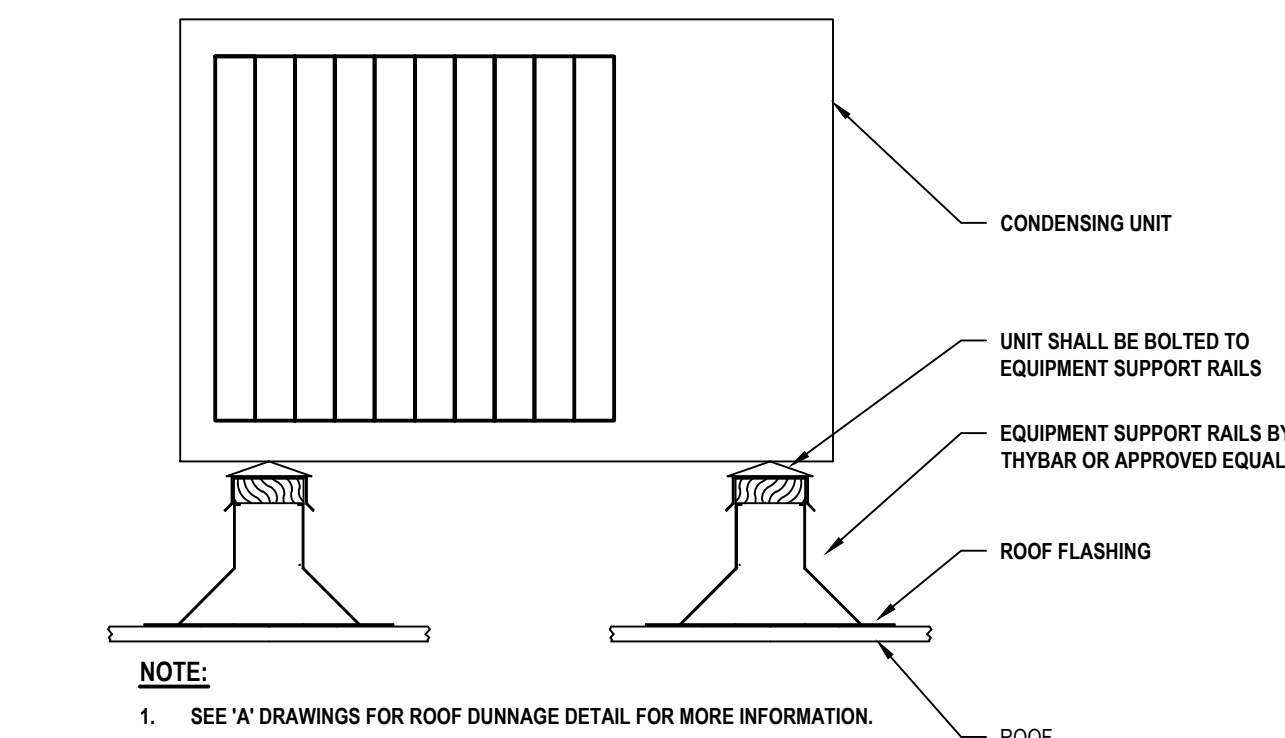
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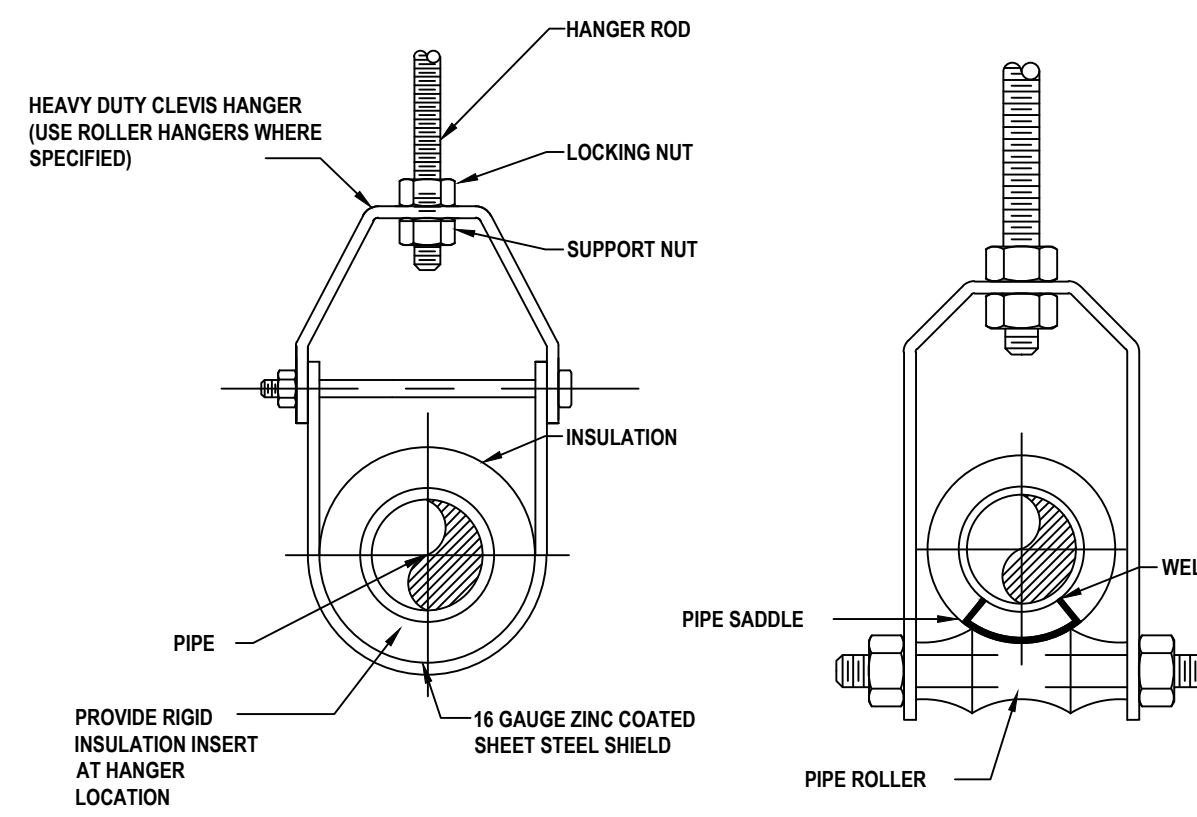
1 Wall Infill at Unit Ventilator
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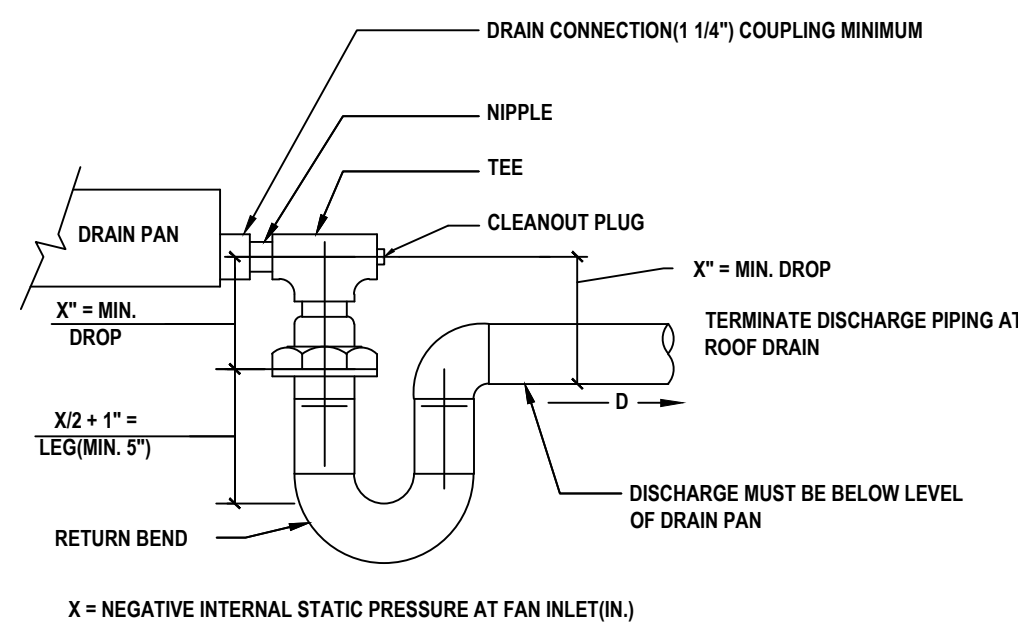
9 TURNING VANE DETAIL
SCALE: NTS



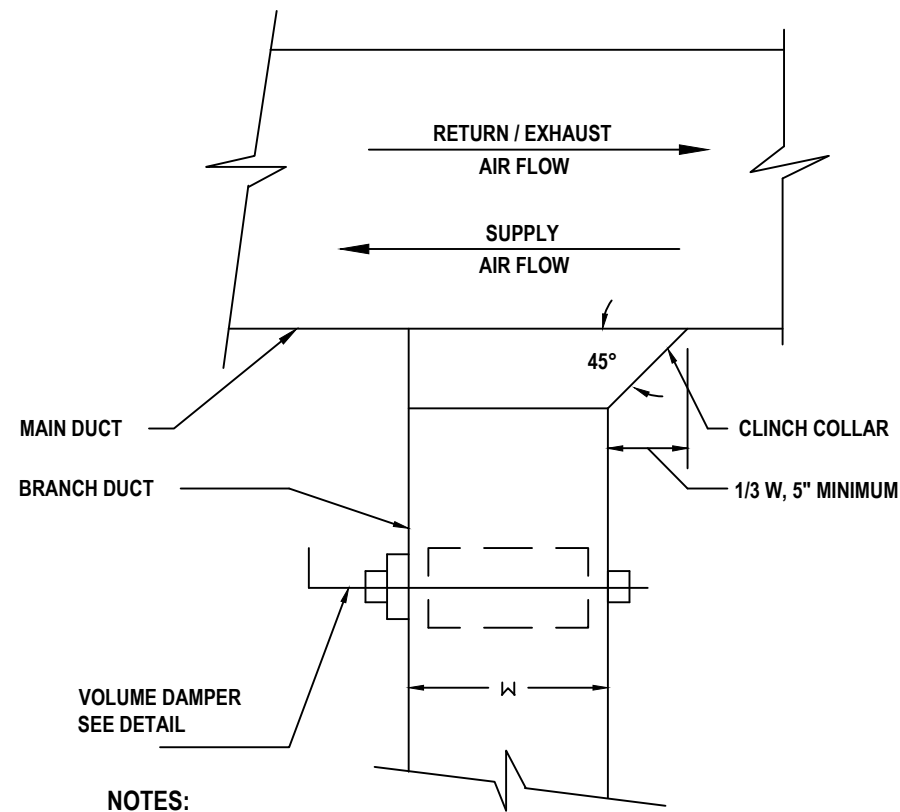
2 CONDENSING UNIT CURB DETAIL
SCALE: NTS



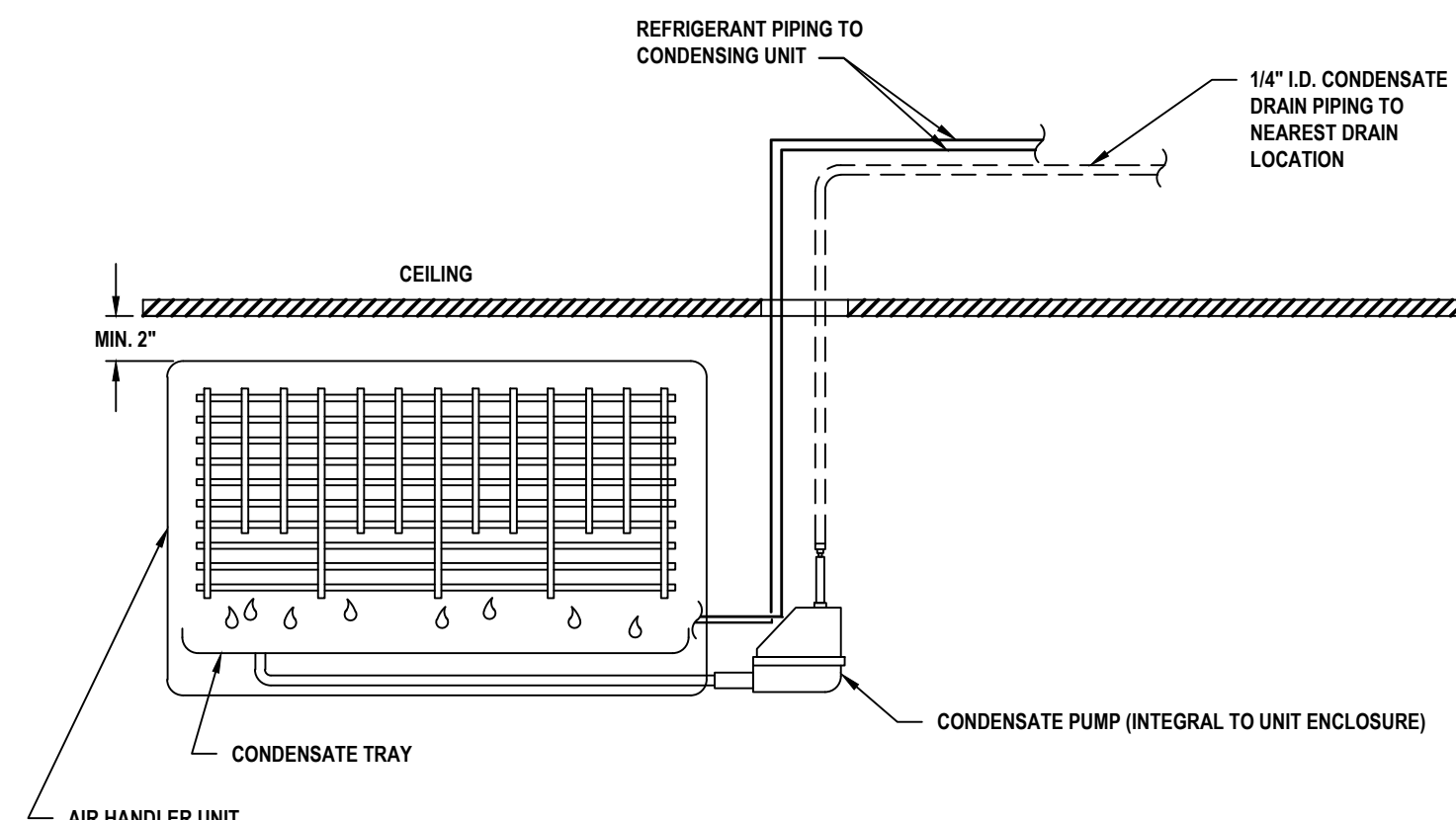
5 STEEL PIPE HANGER DETAILS
SCALE: NTS



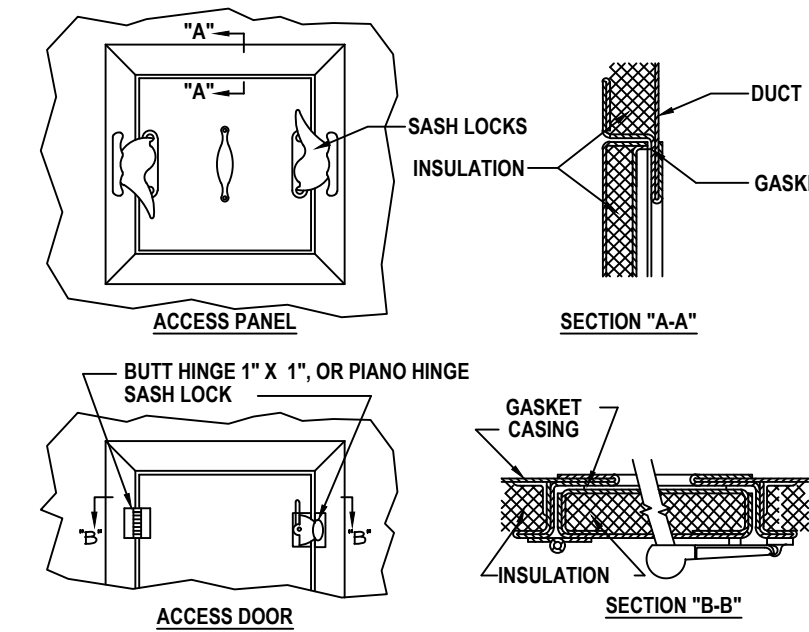
7 DRAIN PAN PIPING DETAIL
SCALE: NTS



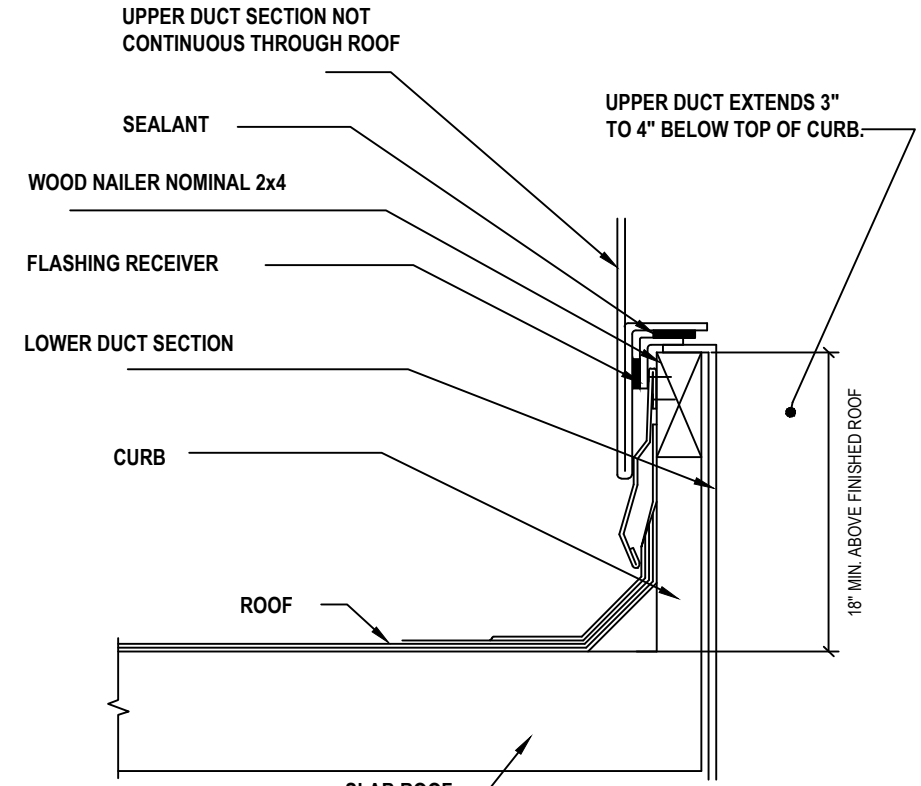
10 DUCT BRANCH TAKEOFF FOR LOW PRESSURE DUCTWORK
SCALE: NTS



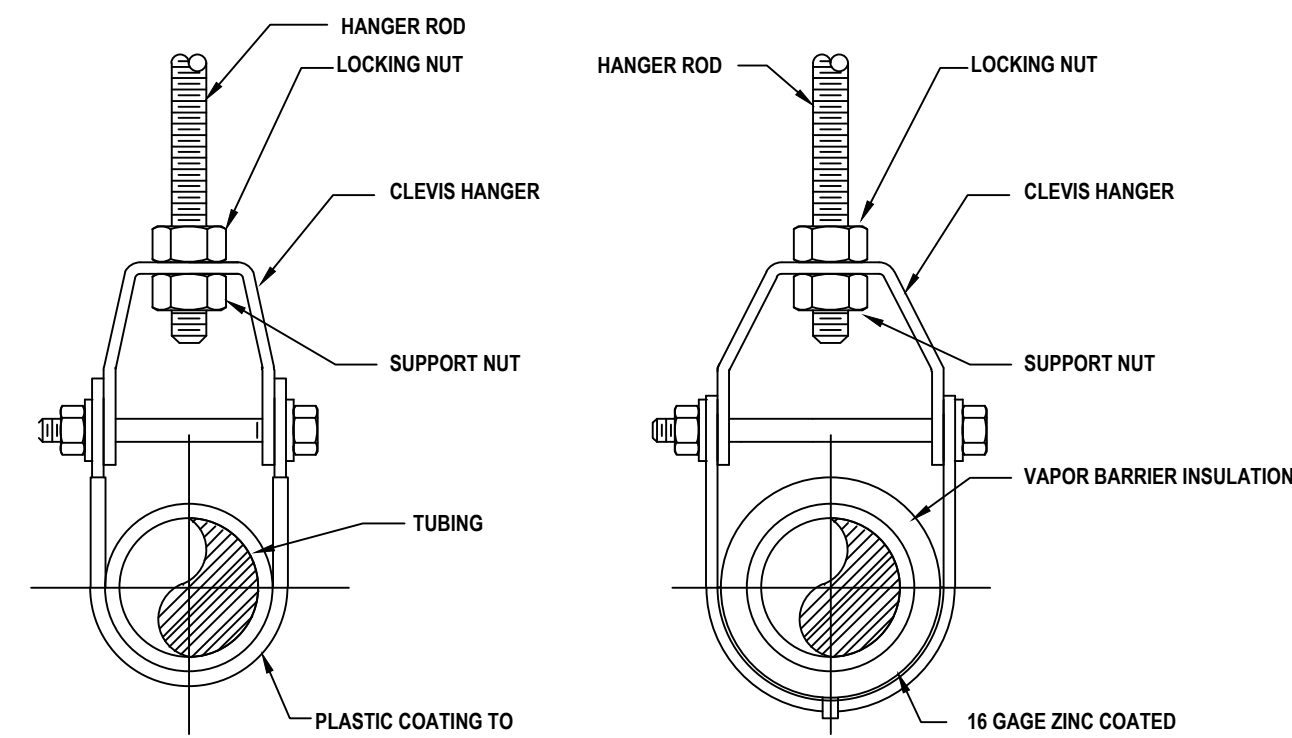
11 DUCTLESS SPLIT CONDENSATE DRAIN PIPING DETAIL
SCALE: NTS



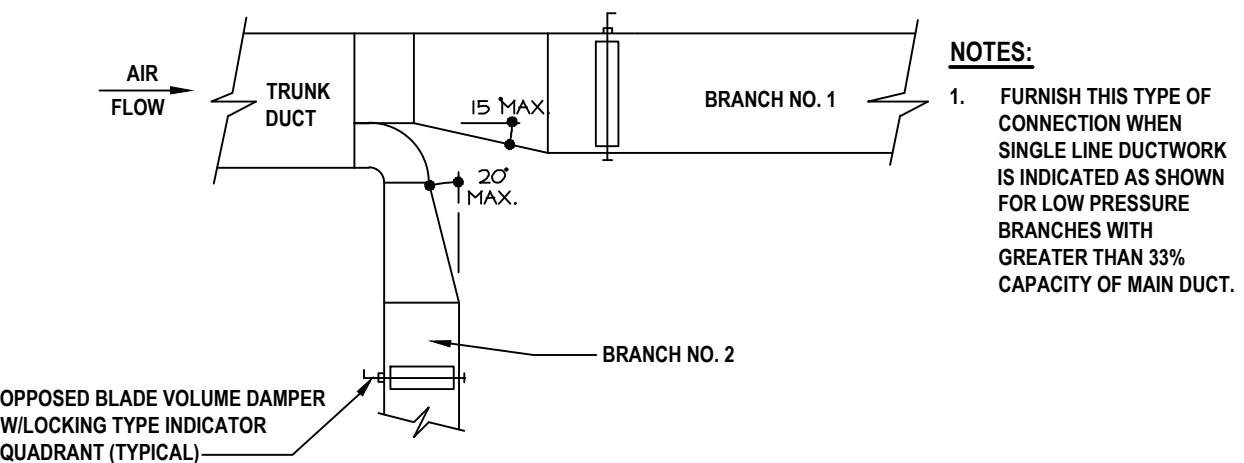
3 ACCESS DOOR AND PANEL DETAILS
SCALE: NTS



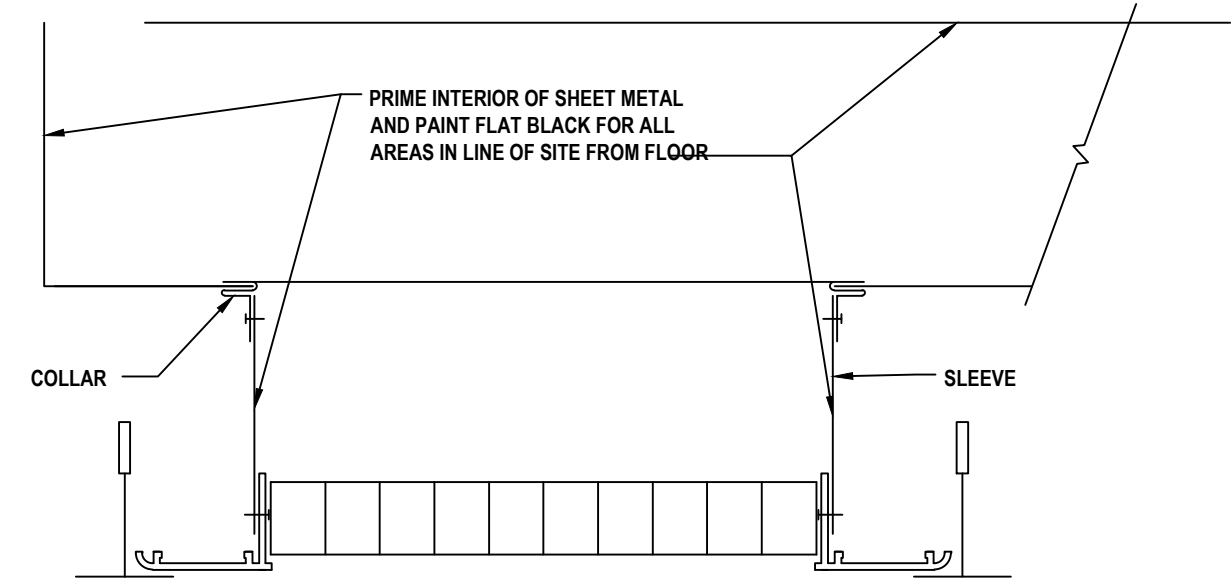
4 DUCT ROOF PENETRATION DETAIL
SCALE: NTS



6 COPPER TUBING HANGER DETAILS
SCALE: NTS




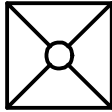
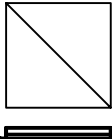
8 BRANCH DUCT WITH RADIUS ELBOW
SCALE: NTS



12 DUCTED CEILING GRILLE DETAIL
SCALE: NTS

MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT

AIR OUTLETS

DESIGNATION	SYMBOL	BASIS OF DESIGN: MNF/ MODEL NO.	DESCRIPTION	FACE SIZE (IN)	AIR FLOW RANGE (CFM)		NECK SIZE DIAMETER (IN.)
					MIN	MAX	
A	 A (CFM)	TITUS/300RL-5	SIDEWALL SUPPLY REGISTER	SEE DRAWINGS	SEE DRAWINGS	SEE DRAWINGS	NA
B	 B (CFM)	TITUS/OMNI	SQUARE FACE CEILING DIFFUSER	24x24 UNLESS OTHERWISE NOTED ON DRAWINGS	0	200	6
					201	315	8
					316	450	10
					451	650	12
					651	850	14
C	 C (CFM)	TITUS/350RL-5	RETURN/EXHAUST GRILLE	24x24 UNLESS OTHERWISE NOTED ON DRAWINGS	SEE DRAWINGS	SEE DRAWINGS	NA

NOTES:

1. PROVIDE ALUMINUM CONSTRUCTION FOR ALL TERMINALS IN SHOWER ROOMS, TOILETS, JANITORS' CLOSETS AND OTHER HUMID AREAS.
2. FOR CONSTRUCTION DETAILS AND ACCESSORIES SEE SPECIFICATION SECTION 233713.
3. PROVIDE OPPOSED BLADE DAMPER FOR ALL REGISTERS AND DIFFUSERS.
4. PROVIDE MOUNTING FRAMES TO MATCH CEILING IN WHICH UNIT IS INSTALLED, COUNTERSINK ALL MOUNTING SCREWS.
5. FOR NAILOR SELECTIONS, SEE SPECIFICATIONS.

VRF UNIT VENTILATOR UNITS

Equipment No.	Type	Area Served	Size (Tons)	Performance/Construction Requirements					Basis of Design Information					Remarks	
				Refrigerant	Supply Unit Data			Outdoor Airflow (CFM)	MNF	Model No.	Nominal Dimensions L x W x H (in.)	Nominal Operating Weight (lbs.)	Electrical Data		
					Airflow (CFM)	Total Rated Cooling Capacity	Total Rated Heating Capacity						Volts/Phase		MCA (A)
UV-1-1	Vertical UV	Classrooms	2.5	R410A	800	25.9	63	400	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-1-2	Vertical UV	Classrooms	2.5	R410A	800	25.9	63	400	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-1-3	Vertical UV	Classrooms	2.5	R410A	800	25.9	63	400	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-1-4	Vertical UV	Classrooms	2.5	R410A	800	25.9	63	400	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-1-5	Vertical UV	Classrooms	2.5	R410A	800	25.9	63	400	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-1-6	Vertical UV	Classrooms	2.5	R410A	800	25.9	63	400	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-1	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-2	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-3	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-4	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-5	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-6	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-7	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-8	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-9	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-10	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-11	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-12	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-13	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-14	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-15	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-16	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-17	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-18	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-19	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-20	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-21	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-22	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-23	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-24	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-25	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-26	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-27	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-28	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6
UV-2-29	Vertical UV	Classrooms	3	R410A	1000	30.7	70	450	TEMSPEC	VUD1200D	28 x 21.5 x 93	300	115 / 1	11	1-6

NOTES:

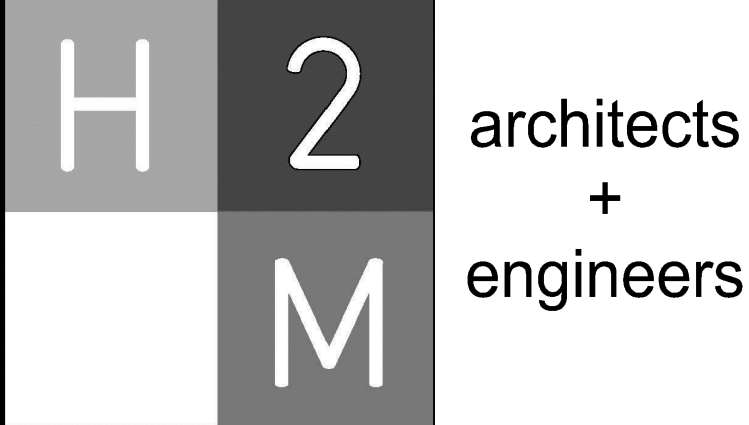
1. INTERNAL DRAIN PAN.
2. LOW VOLTAGE WALL MOUNTED CONTROLLER.
3. INTEGRAL CONDENSATE PUMP.
4. TOP ACOUSTICAL PLENUM.
5. SIDE PIPE COVERS.
6. EXTRUDED ALUMINUM INTAKE LOUVER.

VRF CONDENSING UNITS

EQUIPMENT NO.	LOCATION	PERFORMANCE/ CONSTRUCTION REQUIREMENTS									BASIS OF DESIGN INFORMATION							NOTES
		IEER	REQUIRED IEER	REFRIGERANT	REMOTE CONDENSING UNIT						MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA			
					HEATING OUTSIDE AIR TEMP. (DEG. F)			COOLING OUTSIDE AIR TEMP. (DEG. F)							VOLTS/ PHASE	MCA (A)	MOCp (A)	
					TOTAL CAPACITY (MBH)	MAX (°F)	MIN (°F)	TOTAL CAPACITY (MBH)	MAX (°F)	MIN (°F)								
CU-1-1	SEE PLANS	30	11.4	R-410A	540	60	-13	480	122	23	DAIKIN	REYQ480AATJA	138 x 31 x 66	1914	460/3	33.4 + 33.4	40 + 40	1-3
CU-1-2	SEE PLANS	30	11.4	R-410A	540	60	-13	480	122	23	DAIKIN	REYQ480AATJA	138 x 31 x 66	1914	460/3	33.4 + 33.4	40 + 40	1-3
CU-2-1	SEE PLANS	30	11.4	R-410A	360	60	-13	405	122	23	DAIKIN	REYQ360AATJA	118 x 31 x 66	1745	460/3	24.9 + 28.3	30 + 35	1-3
CU-2-2	SEE PLANS	30	11.4	R-410A	360	60	-13	405	122	23	DAIKIN	REYQ360AATJA	118 x 31 x 66	1745	460/3	24.9 + 28.3	30 + 35	1-3
CU-2-3	SEE PLANS	30	11.4	R-410A	360	60	-13	405	122	23	DAIKIN	REYQ360AATJA	118 x 31 x 66	1745	460/3	24.9 + 28.3	30 + 35	1-3
CU-2-4	SEE PLANS	30	11.4	R-410A	360	60	-13	405	122	23	DAIKIN	REYQ360AATJA	118 x 31 x 66	1745	460/3	24.9 + 28.3	30 + 35	1-3
CU-2-5	SEE PLANS	30	11.4	R-410A	360	60	-13	405	122	23	DAIKIN	REYQ360AATJA	118 x 31 x 66	1745	460/3	24.9 + 28.3	30 + 35	1-3
CU-2-6	SEE PLANS	30	11.4	R-410A	360	60	-13	405	122	23	DAIKIN	REYQ360AATJA	118 x 31 x 66	1745	460/3	24.9 + 28.3	30 + 35	1-3

NOTES:

1. INTERNAL UNIT CONTROLS.
2. DISCONNECT SWITCH.
3. 12" ROOF RAILS.



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Purchase, NY 10577
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CONSULTANTS:

[illegible]

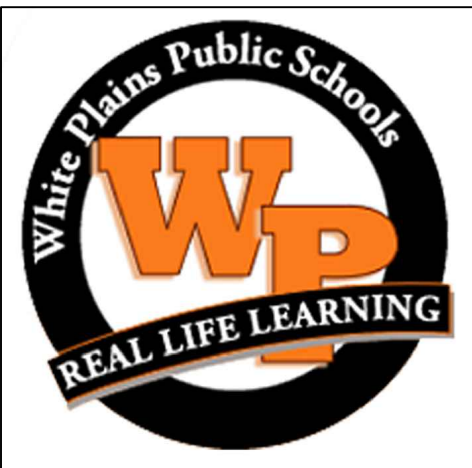
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DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT No.: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

WHITE PLAINS HIGH SCHOOL UNIT VENTILATOR REPLACEMENTS



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT

**CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL SCHEDULES (1 OF 2)

DRAWING No.

M 600.00

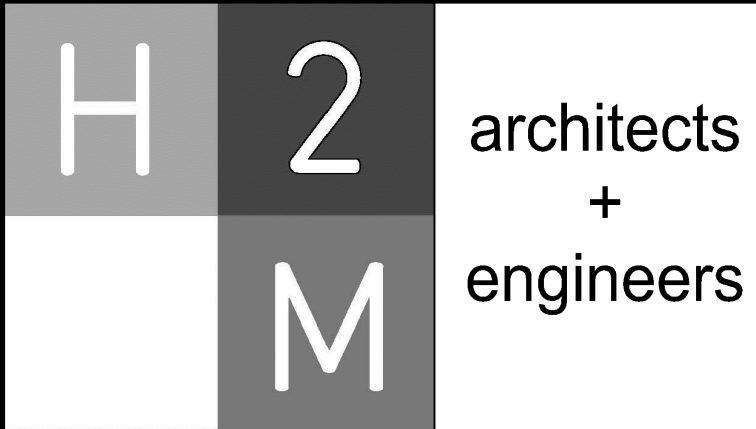
WPSD (White Plains Central School District) • 109911WPSD 2110 - (White Plains HS IV Replacements)02-BIM-CADD/Con-dorsmech/Bulldo 1W 600 00 MECHANICAL SCHEDULES (1 Of 2) dwg Last Modified: Feb 03 2023 - 5:29pm By: pcas...

VRF UNIT VENTILATOR UNITS

EQUIPMENT NO.	TYPE	AREA SERVED	SIZE	PERFORMANCE/CONSTRUCTION REQUIREMENTS					BASIS OF DESIGN INFORMATION						REMARKS
				REFRIGERANT	SUPPLY UNIT DATA			OUTDOOR AIRFLOW (CFM)	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA		
					AIRFLOW (CFM)	TOTAL RATED COOLING CAPACITY	TOTAL RATED HEATING CAPACITY						VOLTS/ PHASE	MCA (A)	
UV-2-30	VERTICAL UV	CLASSROOMS	3	R410A	1000	30.7	70	300	TEMSPEC	VUD1200D	28 x 21.5 x 93	450	115 / 1	11	1-6
UV-2-31	VERTICAL UV	CLASSROOMS	3	R410A	1000	30.7	70	300	TEMSPEC	VUD1200D	28 x 21.5 x 93	450	115 / 1	11	1-6
UV-2-32	VERTICAL UV	CLASSROOMS	3	R410A	1000	30.7	70	300	TEMSPEC	VUD1200D	28 x 21.5 x 93	450	115 / 1	11	1-6
UV-2-33	VERTICAL UV	CLASSROOMS	3	R410A	1000	30.7	70	300	TEMSPEC	VUD1200D	28 x 21.5 x 93	450	115 / 1	11	1-6
UV-2-34	VERTICAL UV	CLASSROOMS	3	R410A	1000	30.7	70	300	TEMSPEC	VUD1200D	28 x 21.5 x 93	450	115 / 1	11	1-6
UV-2-35	VERTICAL UV	CLASSROOMS	3	R410A	1000	30.7	70	300	TEMSPEC	VUD1200D	28 x 21.5 x 93	450	115 / 1	11	1-6
UV-2-36	VERTICAL UV	CLASSROOMS	3	R410A	1000	30.7	70	300	TEMSPEC	VUD1200D	28 x 21.5 x 93	450	115 / 1	11	1-6
UV-2-37	VERTICAL UV	CLASSROOMS	3	R410A	1000	30.7	70	300	TEMSPEC	VUD1200D	28 x 21.5 x 93	450	115 / 1	11	1-6
UV-2-38	VERTICAL UV	CLASSROOMS	3	R410A	1000	30.7	70	300	TEMSPEC	VUD1200D	28 x 21.5 x 93	450	115 / 1	11	1-6
UV-3-1	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-2	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-3	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-4	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-5	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-6	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-7	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-8	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-9	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-10	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-11	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-3-12	VERTICAL UV	CLASSROOMS	4	R410A	1400	42.5	96	450	TEMSPEC	VUD1600D	33 x 23 x 93	750	115 / 1	11	1-6
UV-4-1	CEILING UV	CLASSROOMS	2	R410A	600	24.3	29.5	200	DAIKIN	BCHD0081	43 x 29 x 18	343	115 / 1	5.5	1-3
UV-4-2	CEILING UV	CLASSROOMS	2	R410A	600	24.3	29.5	200	DAIKIN	BCHD0081	43 x 29 x 18	343	115 / 1	5.5	1-3
UV-4-3	CEILING UV	CLASSROOMS	2	R410A	600	24.3	29.5	200	DAIKIN	BCHD0081	43 x 29 x 18	343	115 / 1	5.5	1-3
UV-4-4	CEILING UV	CLASSROOMS	2	R410A	900	24.3	29.5	200	DAIKIN	BCHD0081	43 x 29 x 18	343	115 / 1	5.5	1-3
UV-5-1	CEILING UV	CLASSROOMS	3	R410A	900	39.7	50.0	300	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-5-2	CEILING UV	CLASSROOMS	3	R410A	900	39.7	50.0	300	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-5-3	CEILING UV	CLASSROOMS	3	R410A	900	39.7	50.0	300	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-5-4	CEILING UV	CLASSROOMS	3	R410A	900	39.7	50.0	300	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-5-5	CEILING UV	CLASSROOMS	3	R410A	900	39.7	50.0	300	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-5-6	CEILING UV	CLASSROOMS	3	R410A	900	39.7	50.0	300	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-1	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-2	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-3	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-4	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-5	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-6	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-7	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-8	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-9	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-10	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-11	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-12	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-13	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-14	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-15	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3
UV-6-16	CEILING UV	CLASSROOMS	4	R410A	1200	47.9	56.9	400	DAIKIN	BCHD0161	46 x 45.5 x 18	572	115 / 1	14.4	1-3

NOTES:

1. INTERNAL DRAIN PAN.
2. LOW VOLTAGE WALL MOUNTED CONTROLLER.
3. INTEGRAL CONDENSATE PUMP.
4. TOP ACOUSTICAL PLENUM.
5. SIDE PIPE COVERS.
6. EXTRUDED ALUMINUM OUTDOOR AIR INTAKE LOUVER.
7. ALL VERTICAL UV'S TO BE SIZED FOR 2 PSI STEAM.
8. ALL CEILING UV'S TO BE SIZED FOR EWT OF 180 AND LWT OF 160.



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

CONSULTANTS:

MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT



"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL."			
DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY:
PROJECT NO.: WPSD2110	DATE: FEBRUARY 2023	SCALE: 	AS SHOWN

CLIENT

White Plains City School District

WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS



550 North Street
White Plains, NY 10605

SED No. 66-22-00-01-0-16-028

CONTRACT

CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING

STATUS

FINAL BID DOCUMENT

SHEET TITLE




















































MECHANICAL SCHEDULES (2 OF 2)

DRAWING No.






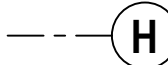
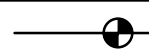
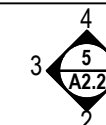
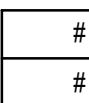
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ELECTRICAL LEGENDS

SYMBOL	DESCRIPTION	COMMENTS	ABBREVIATION	DESCRIPTION	COMMENTS
	THREE - WAY SWITCH	46" AFF TO CL UON	AFF	ABOVE FINISHED FLOOR	
	FOUR - WAY SWITCH	46" AFF TO CL UON	AFC	ABOVE FINISHED CEILING	
	ILLUMINATED SWITCH	46" AFF TO CL UON	AFCI	ARC FAULT CIRCUIT INTERRUPTER	
	SINGLE POLE SWITCH; "A" INDICATES SWITCH CONTROL	46" AFF TO CL UON	AFG	ABOVE FINISHED GRADE	
	SINGLE POLE DIMMER SWITCH	46" AFF TO CL UON	AHJ	AUTHORITY HAVING JURISDICTION	
	THREE - WAY DIMMER SWITCH	46" AFF TO CL UON	AMP, A	AMPERE	
	SINGLE POLE KEYED SWITCH	46" AFF TO CL UON	ATS	AUTOMATIC TRANSFER SWITCH; SEE TRANSFER SWITCH SCHEDULE	
	KEYED THREE - WAY SWITCH	46" AFF TO CL UON	AWG	AMERICAN WIRE GAUGE	
	KEYED FOUR - WAY SWITCH	46" AFF TO CL UON	BFC	BELOW FINISHED CEILING	
	SWITCH AND PILOT LIGHT		CL	CENTERLINE	
	SWITCH WITH THERMAL OVERLOAD PROTECTION (CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE WITH EQUIPMENT)		CT	COUNTER TOP	
	OCCUPANCY/VACANCY SENSOR WITH MANUAL OVERRIDE, WALL MOUNT		E.C.	ELECTRICAL CONDUIT	
	TIME CLOCK		GFCI	GROUND FAULT CIRCUIT INTERRUPTER	
	EMERGENCY SHUT OFF SWITCH; 'E' INDICATES ELECTRICAL; 'G' INDICATES GAS		GFI	GROUND FAULT INDICATOR	
	2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING		GND	GROUND	
	3 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN OR BELOW SLAB		CONED	CONSOLIDATED EDISON (LOCAL ELECTRIC UTILITY)	
	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		MCB	MAIN CIRCUIT BREAKER	
	SIMPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH	MLO	MAIN LUGS ONLY	
	DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH	N.T.S.	NOT TO SCALE	
	QUAD RECEPTACLE, DOUBLE DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH	TYP	TYPICAL	
	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "C" INDICATES CEILING MOUNT.	FLUSH	UON	UNLESS OTHERWISE NOTED	
	DUPLEX RECEPTACLE: 120V, 20A; FLOOR MOUNTED.	FLUSH	UC	UNDER COUNTER	
	QUAD RECEPTACLE: 120V, 20A; FLOOR MOUNTED.		V	VOLT	
	DUPLEX RECEPTACLE AND DATA JACK: 120V, 20A; FLOOR MOUNTED.		VAC	VOLTS ALTERNATING CURRENT	
	DATA JACK; FLOOR MOUNTED.		VDC	VOLTS DIRECT CURRENT	
	ISOLATED GROUND DUPLEX RECEPTACLE. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH	X-FMR	TRANSFORMER	
	DUPLEX RECEPTACLE: 120V, 20A; WITH GROUND FAULT INDICATOR. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH	WP	WEATHERPROOF	
	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, 16" AFF UNLESS OTHERWISE NOTED.				
	MAGNETIC STARTER "S1"; SEE STARTER SCHEDULE				
	DISCONNECT 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.				

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\"/>	

LIST OF DRAWINGS	
E 001	ELECTRICAL LEGENDS
ED 100	ELECTRICAL PARTIAL GROUND FLOOR DEMOLITION PLAN (BUILDING C)
ED 101	ELECTRICAL PARTIAL FIRST FLOOR DEMOLITION PLAN (BUILDING C)
ED 102	ELECTRICAL PARTIAL FLOORS DEMOLITION PLANS (BUILDING G)
ED 103	ELECTRICAL PARTIAL FLOORS DEMOLITION PLANS (BUILDING A)
E 100	ELECTRICAL PARTIAL GROUND FLOOR HVAC AND POWER PLAN (BUILDING C)
E 101	ELECTRICAL PARTIAL FIRST FLOOR HVAC AND POWER PLAN (BUILDING C)
E 102	ELECTRICAL PARTIAL FLOORS HVAC AND POWER PLANS (BUILDING G)
E 103	ELECTRICAL PARTIAL FLOORS HVAC AND POWER PLANS (BUILDING A)
E 200	ELECTRICAL PARTIAL GROUND FLOOR POWER PLAN (BUILDING A AND C)
E 500	ELECTRICAL SCHEDULES AND DETAILS
SYMBOLS LEGEND	
	ROOM DESIGNATION
	BUILDING SECTION CUT
	WALL SECTION CUT
	DETAIL KEY
	ELEVATION KEY
	COLUMN GRID
	ELEVATION LINE
1 Title SCALE: _____	DRAWING TITLE
	INTERIOR ELEVATION REFERENCE
	SEE NOTE # ON DWG #



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CONSULTANTS:

[illegible]

**White Plains City School
District**

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT

CONTRACT E

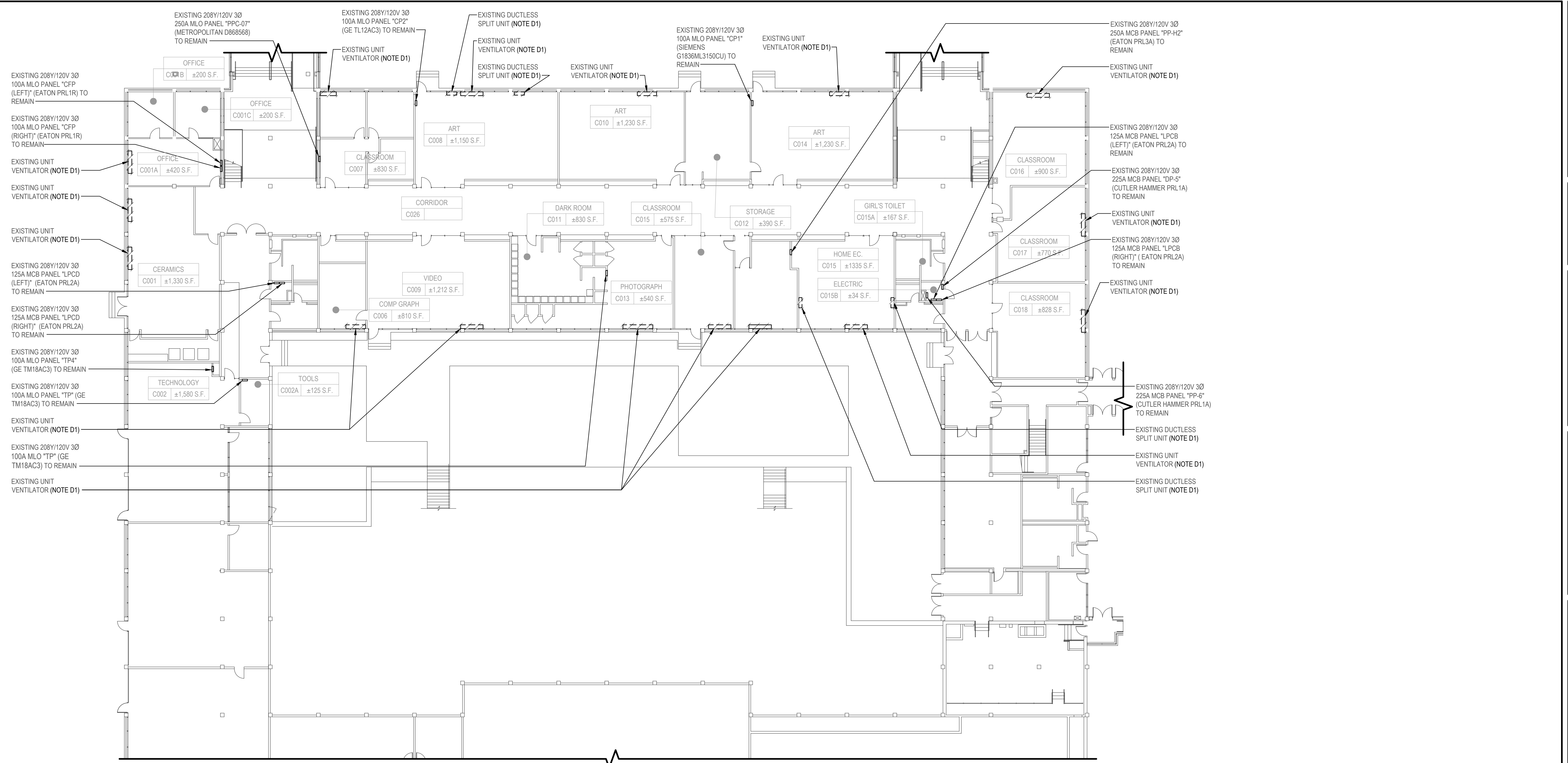
ELECTRICAL CONSTRUCTION

STATUS	FINAL BID DOCUMENT
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SHEET TITLE

ELECTRICAL LEGENDS

DRAWING No. **E 001.00**

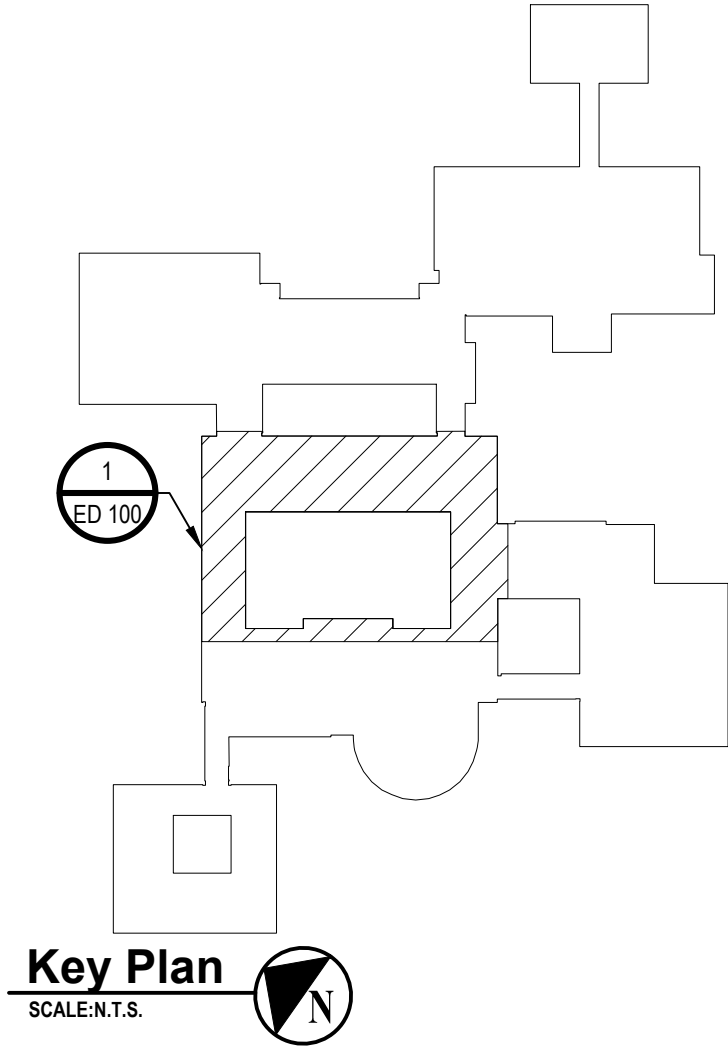


1 Electrical Partial Ground Floor Demolition Plan (Building C)
SCALE: 1/16"=1'-0"

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.
- 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 GENERAL CONTRACTOR.

- 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, ASSOCIATE FIRE ALARM DEVICES, WIRE AND CONDUIT BACK TO SOURCE. REFER TO CONTRACT 'H' DRAWINGS FOR ADDITIONAL INFORMATION.



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DESIGNED BY: SAN	DRAWN BY: SAN	CHECKED BY:	REVIEWED BY:
PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE:	AS SHOWN

CLIENT

White Plains City School District

WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS

550 North Street
White Plains, NY 10605

SED No. 66-22-00-01-0-16-028

CONTRACT	CONTRACT E ELECTRICAL CONSTRUCTION
STATUS	FINAL BID DOCUMENT
SHEET TITLE	ELECTRICAL PARTIAL GROUND FLOOR DEMOLITION PLAN (BUILDING C)
DRAWING No.	ED 100.00

CONSULTANTS:

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-	02-03-23	FINAL BID DOCUMENT



DESIGNED BY: SAN	DRAWN BY: SAN	CHECKED BY:	REVIEWED BY:
PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE:	AS SHOWN

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White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

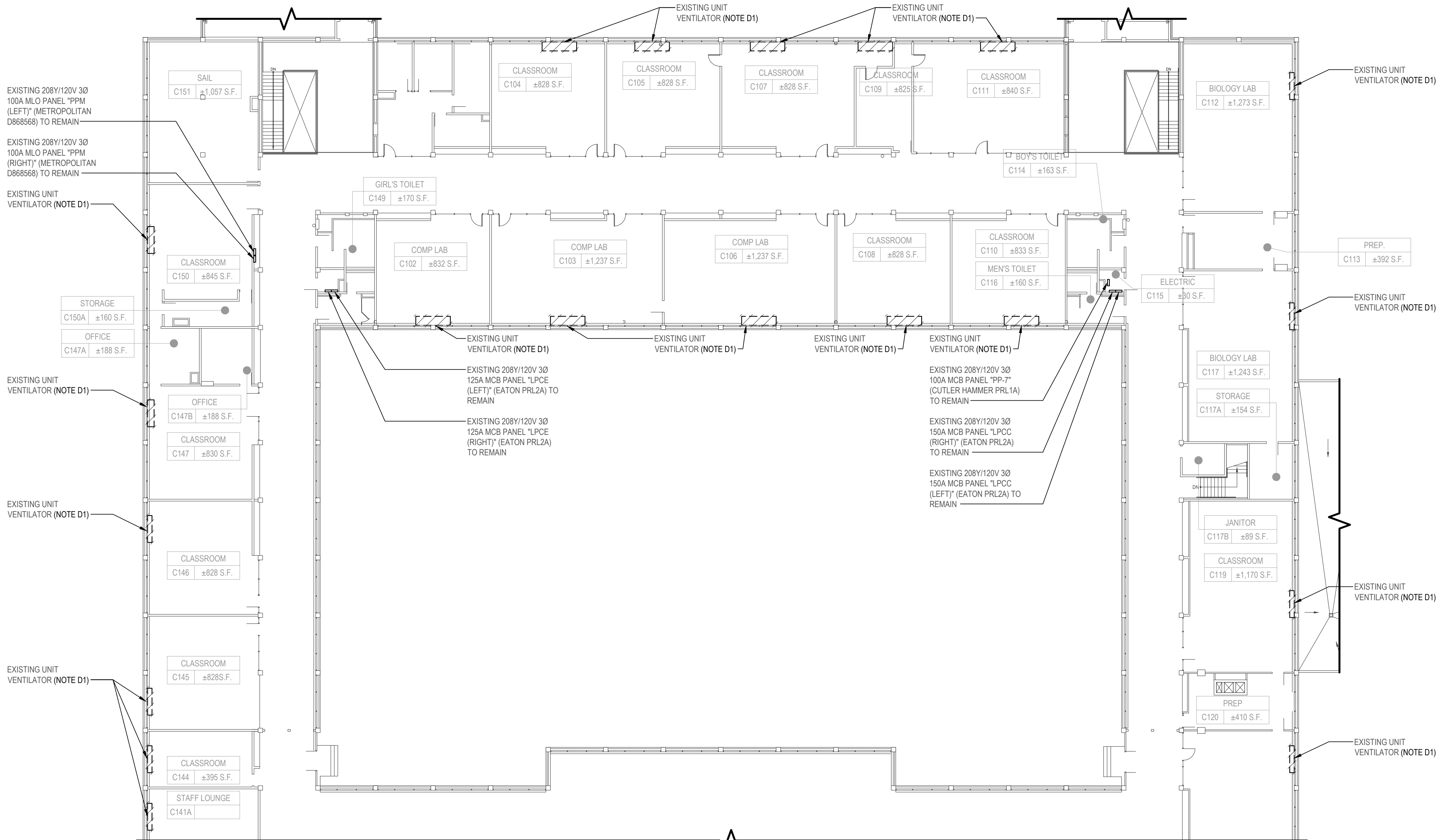
SED No. 66-22-00-01-0-16-028

CONTRACT
**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**ELECTRICAL PARTIAL FIRST
FLOOR DEMOLITION PLAN
(BUILDING C)**

DRAWING No.
ED 101.00



1 Electrical Partial First Floor Demolition Plan (Building C)
SCALE: 1/16"=1'-0"

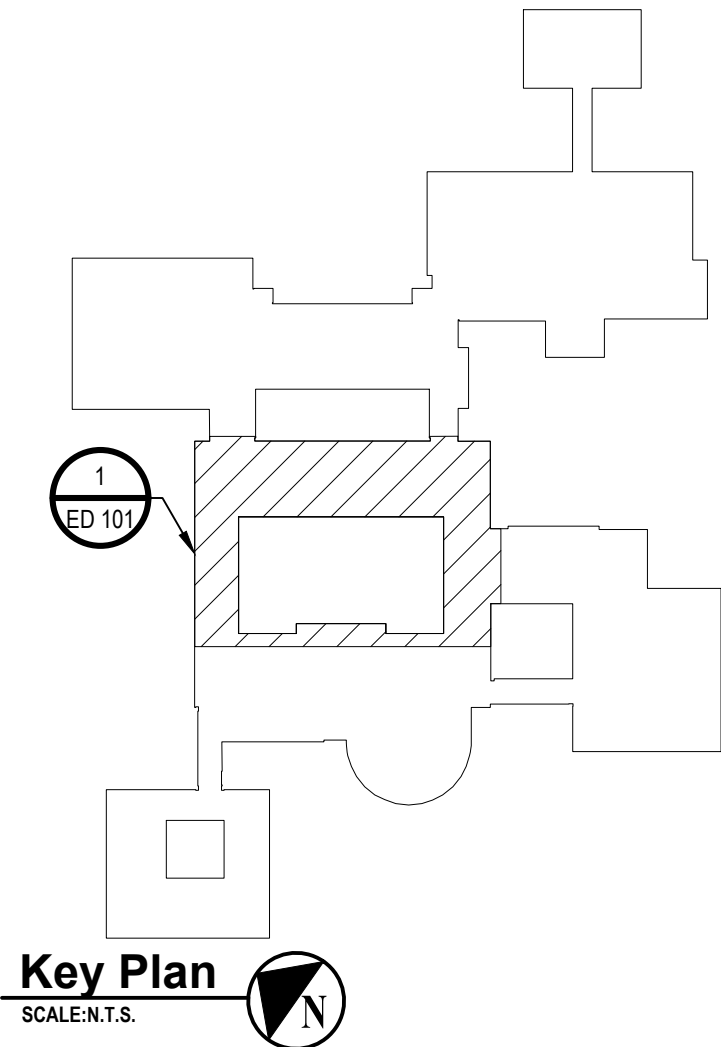
LEGEND
- REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.

ELECTRICAL GENERAL DEMOLITION NOTES:

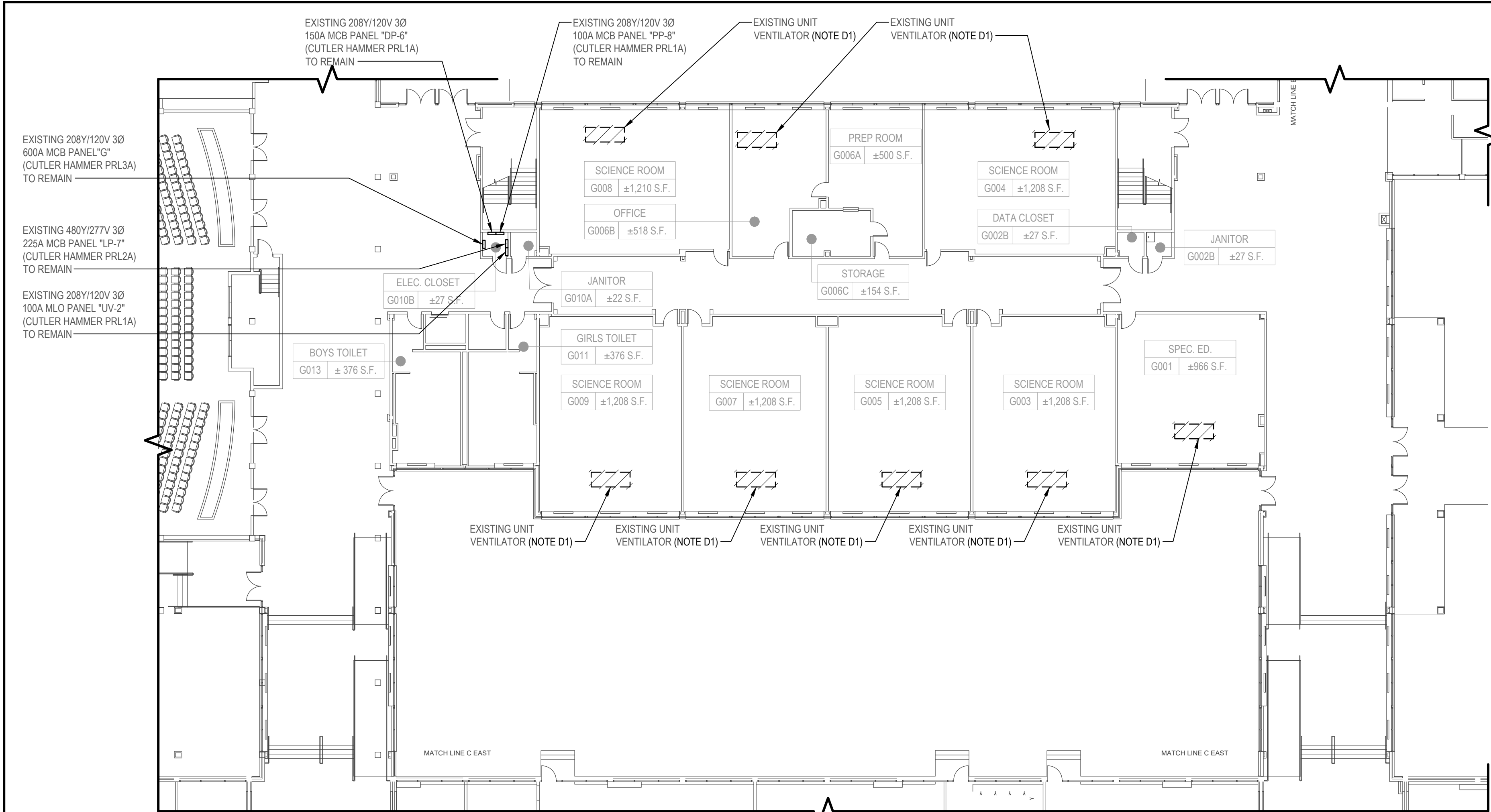
- GD1. REMOVE AND DISPOSE OF INCLUDES REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS, WIRES AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.
- GD2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING DEVICES ON A CIRCUIT WHEN THE DRAWINGS CALL FOR REMOVAL AND/OR DISPOSAL OF A DEVICE ON THAT CIRCUIT.
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ELECTRICAL DEMOLITION KEY NOTE:

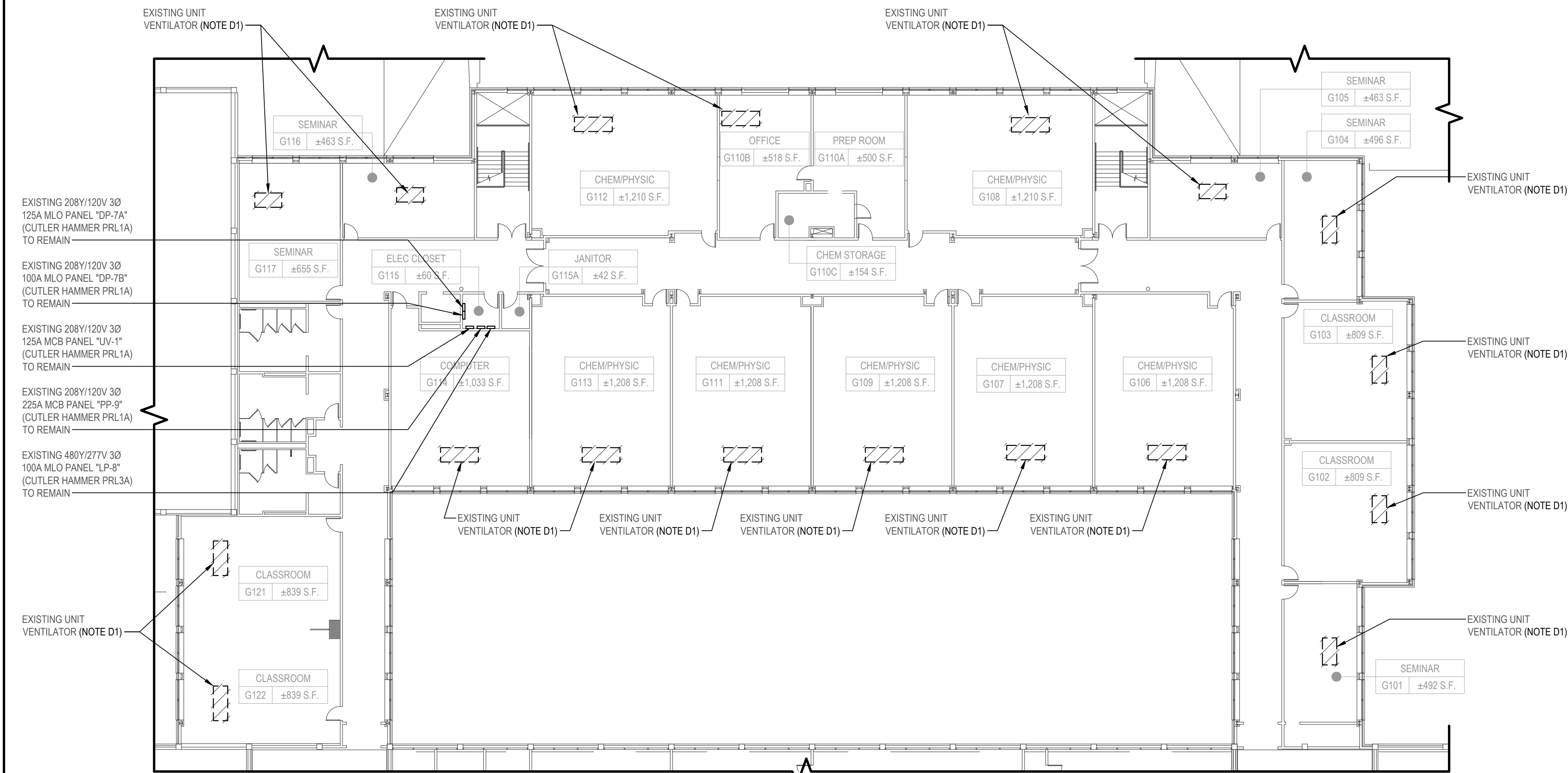
- D1. CONTRACT 'H' SHALL REMOVE AND DISPOSE OF EXISTING EQUIPMENT. CONTRACT 'E' SHALL REMOVE AND DISPOSE OF ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH THE EXISTING HVAC EQUIPMENT SCHEDULED FOR DEMOLITION INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, ASSOCIATE FIRE ALARM DEVICES, WIRE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



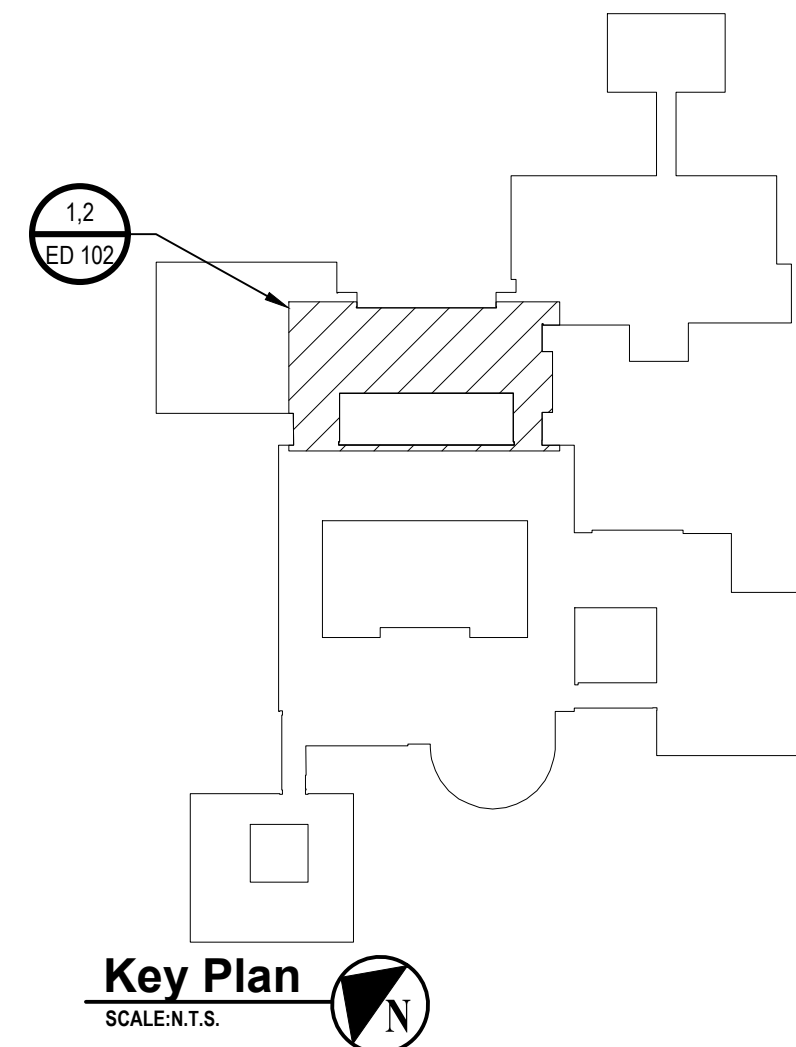
Key Plan
SCALE: N.T.S.



1 Electrical Partial Ground Floor Demolition Plan (Building G)
SCALE: 1/16"=1'-0"



2 Electrical Partial First Floor Demolition Plan (Building G)
SCALE: 1/16"=1'-0"



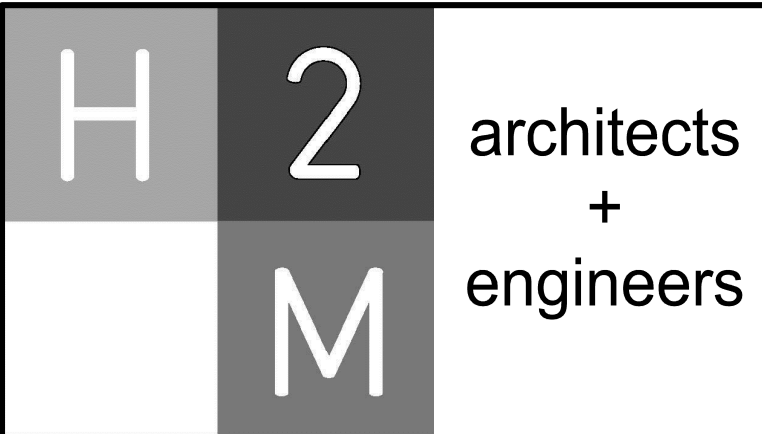
LEGEND
- REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.

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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PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE:	AS SHOWN

White Plains City School District

WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS



550 North Street
White Plains, NY 10605

SED No. 66-22-00-01-0-16-028

CONTRACT
**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

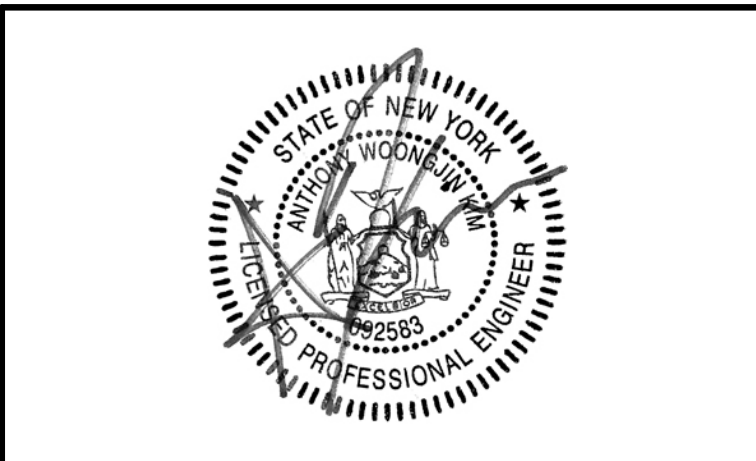
SHEET TITLE
**ELECTRICAL PARTIAL FLOORS
DEMOLITION PLANS (BUILDING G)**

DRAWING No.
ED 102.00

WPSD White Plains City School District - 1059WPSD 110 - White Plains HS Unit Ventilator Replacement - 102-BM CAD/COR/ISSUED/ED 102 Electrical Partial Floors Demolition Plans (Building G) Aug. Last Modified: Jan 30, 2023 - 2:39pm Printed on: Feb 02, 2023 - 11:03am by jmg

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PROJECT NO: WPSPD2110	DATE: FEBRUARY 2023	SCALE:	AS SHOWN

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White Plains City School District

WHITE PLAINS HIGH SCHOOL UNIT VENTILATOR REPLACEMENTS



550 North Street
White Plains, NY 10605

SED No. 66-22-00-01-0-16-028

CONTRACT

CONTRACT E ELECTRICAL CONSTRUCTION

STATUS

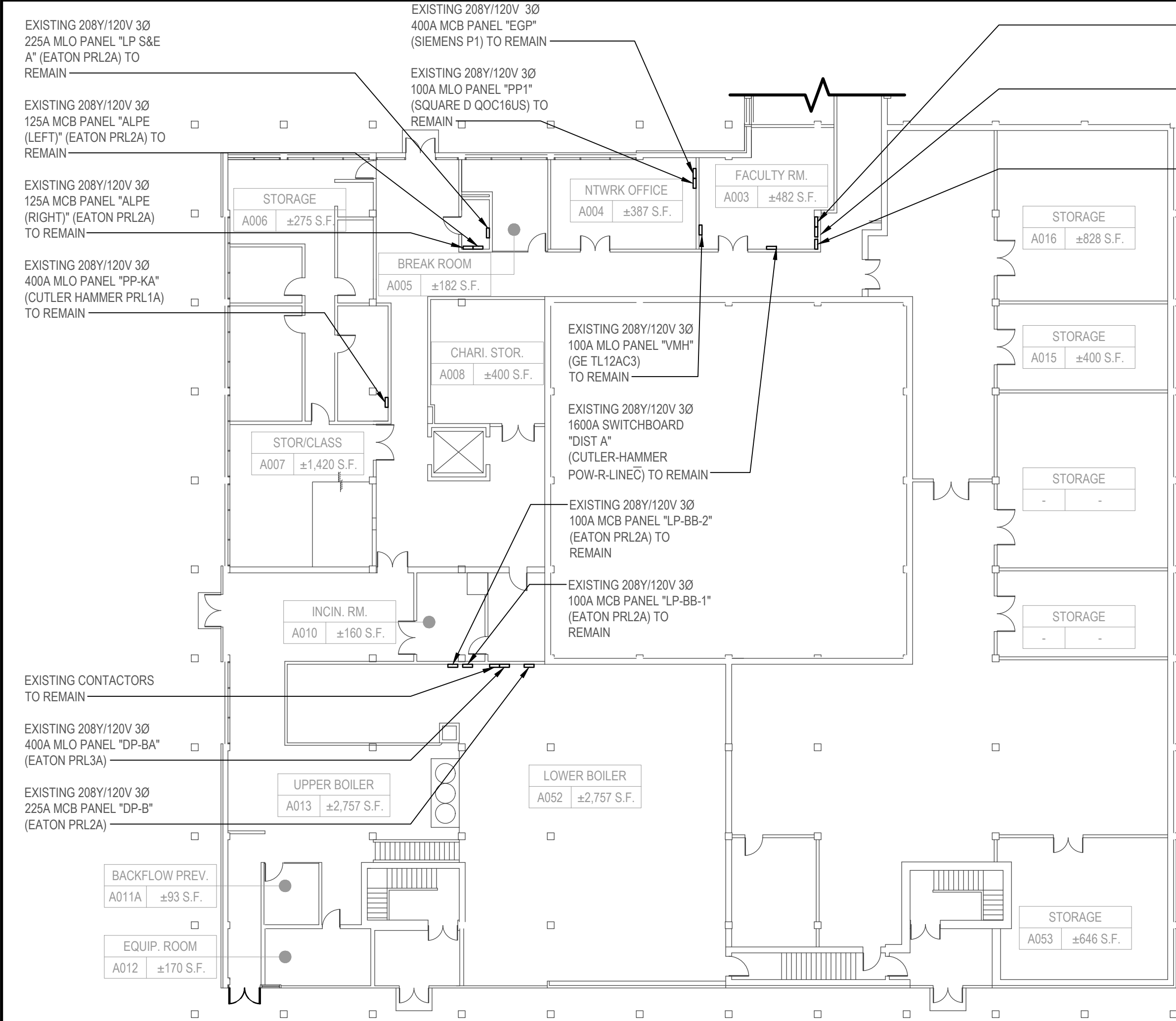
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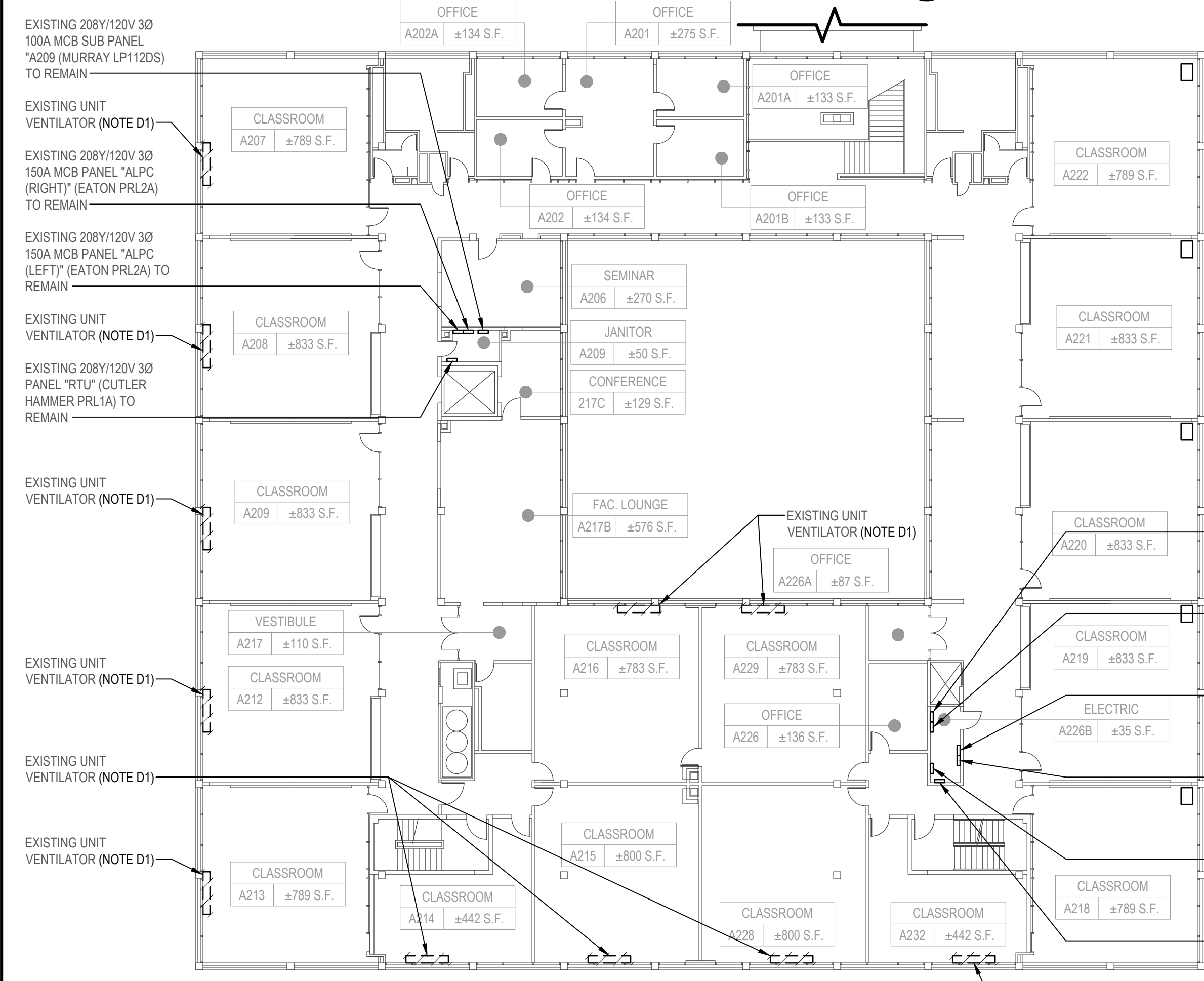
ELECTRICAL PARTIAL FLOORS DEMOLITION PLANS (BUILDING A)

DRAWING No.

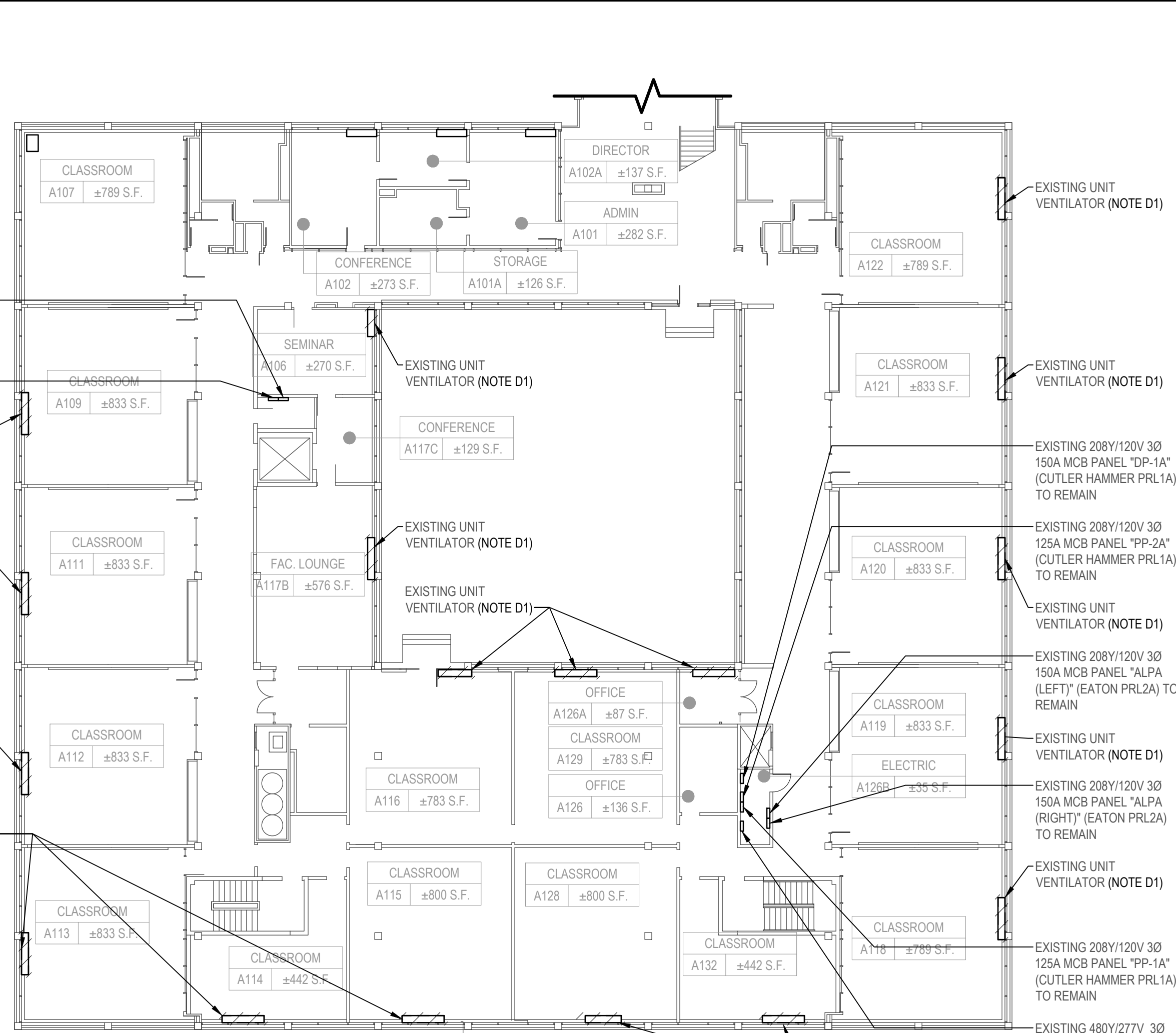
ED 103.00



1 Electrical Partial Ground Floor Demolition Plan (Building A)
SCALE:1/16"=1'-0"



3 Electrical Partial Second Floor Demolition Plan (Building A)
SCALE:1/16"=1'-0"



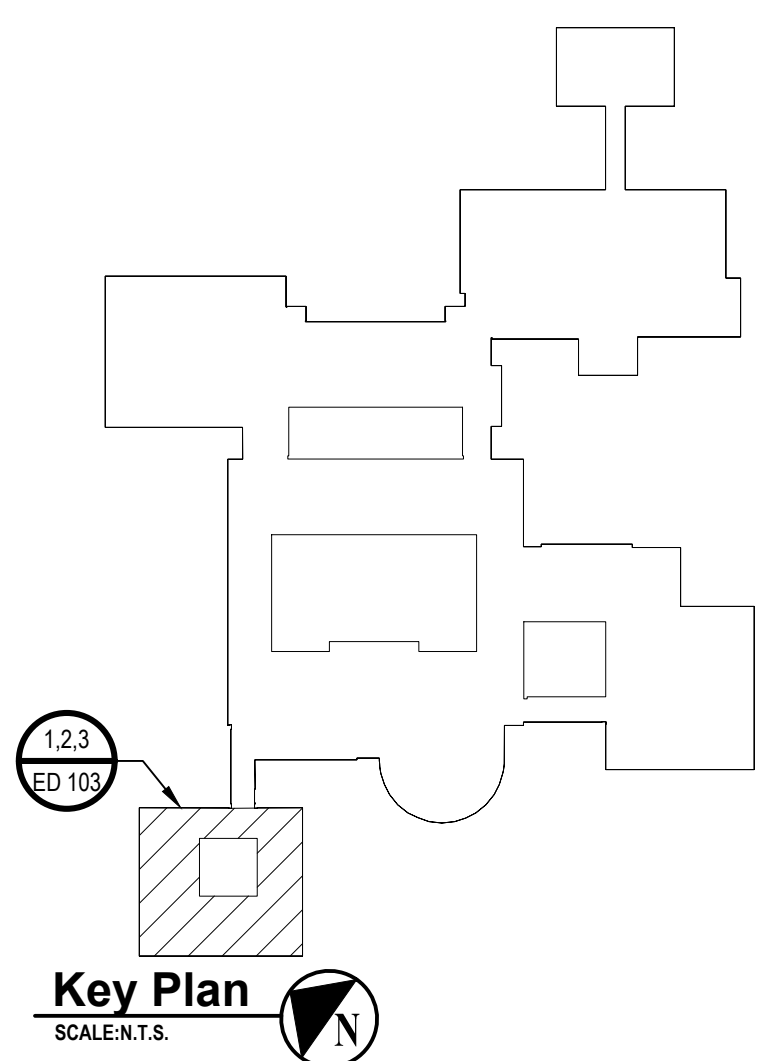
2 Electrical Partial First Floor Demolition Plan (Building A)
SCALE:1/16"=1'-0"

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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- 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 GENERAL CONTRACTOR.

- 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, ASSOCIATE FIRE ALARM DEVICES, WIRE AND CONDUIT BACK TO SOURCE. REFER TO CONTRACT 'H' DRAWINGS FOR ADDITIONAL INFORMATION.



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PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE:	AS SHOWN

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White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

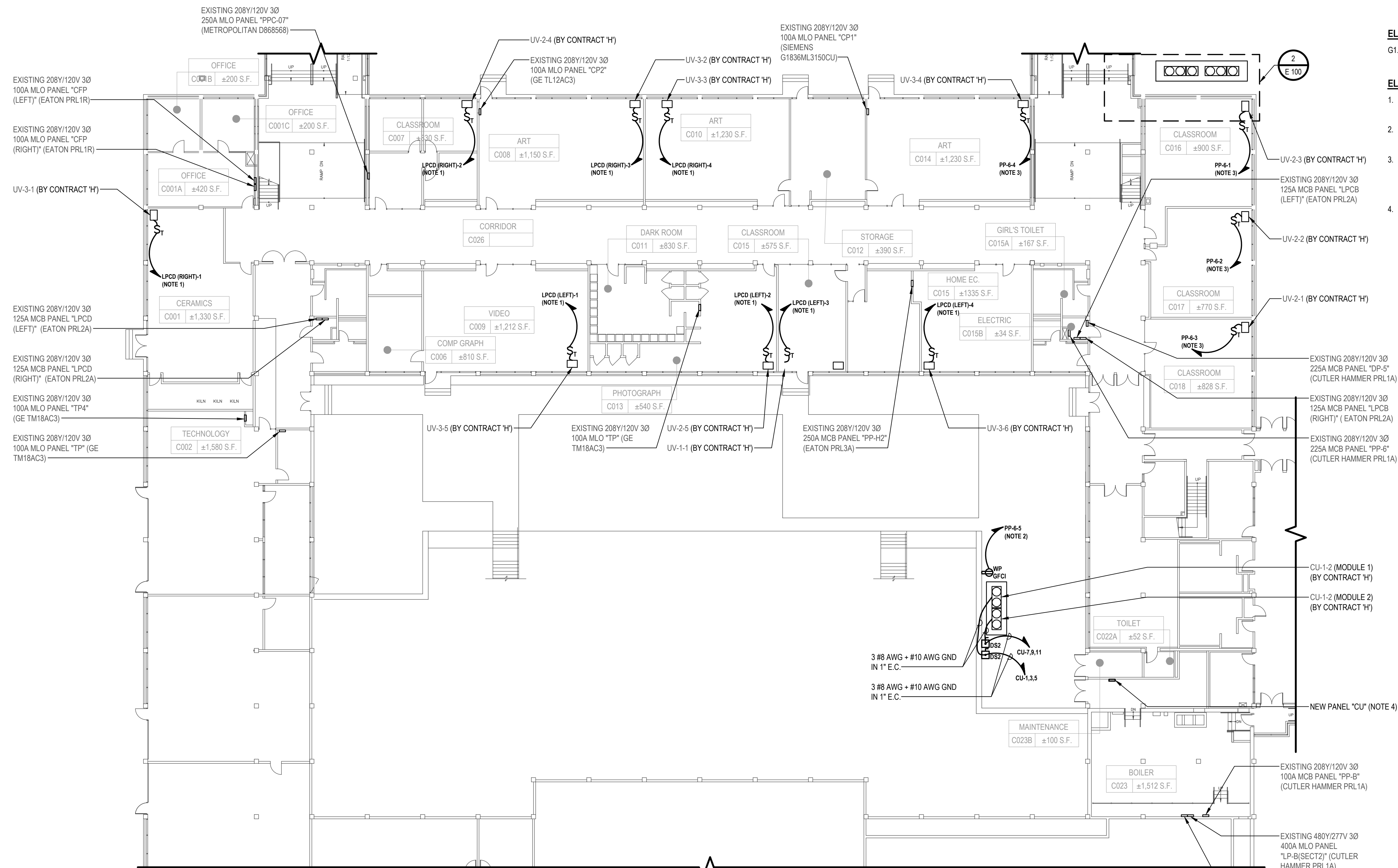
SED No. 66-22-00-01-0-16-028

CONTRACT
**CONTRACT E
ELECTRICAL CONSTRUCTION**

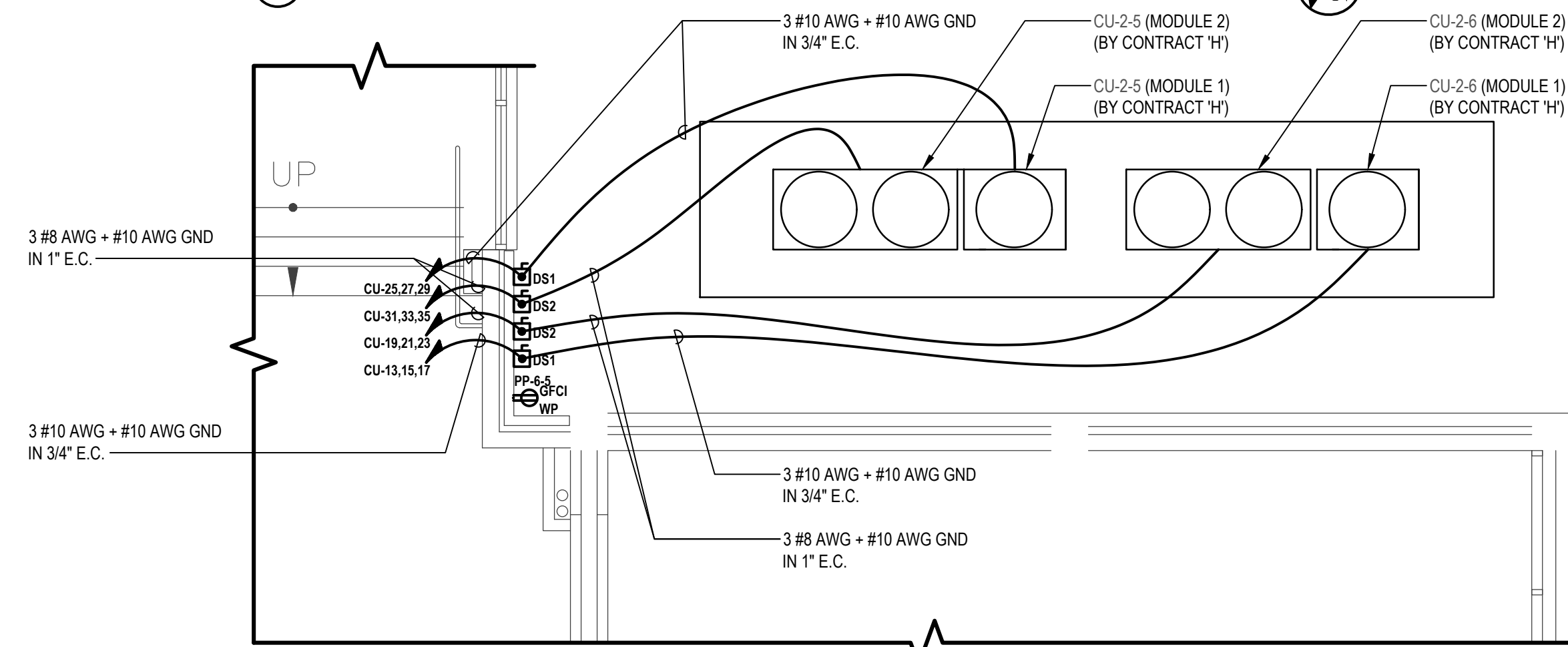
STATUS
FINAL BID DOCUMENT

SHEET TITLE
**ELECTRICAL PARTIAL GROUND
FLOOR HVAC AND POWER PLAN
(BUILDING C)**

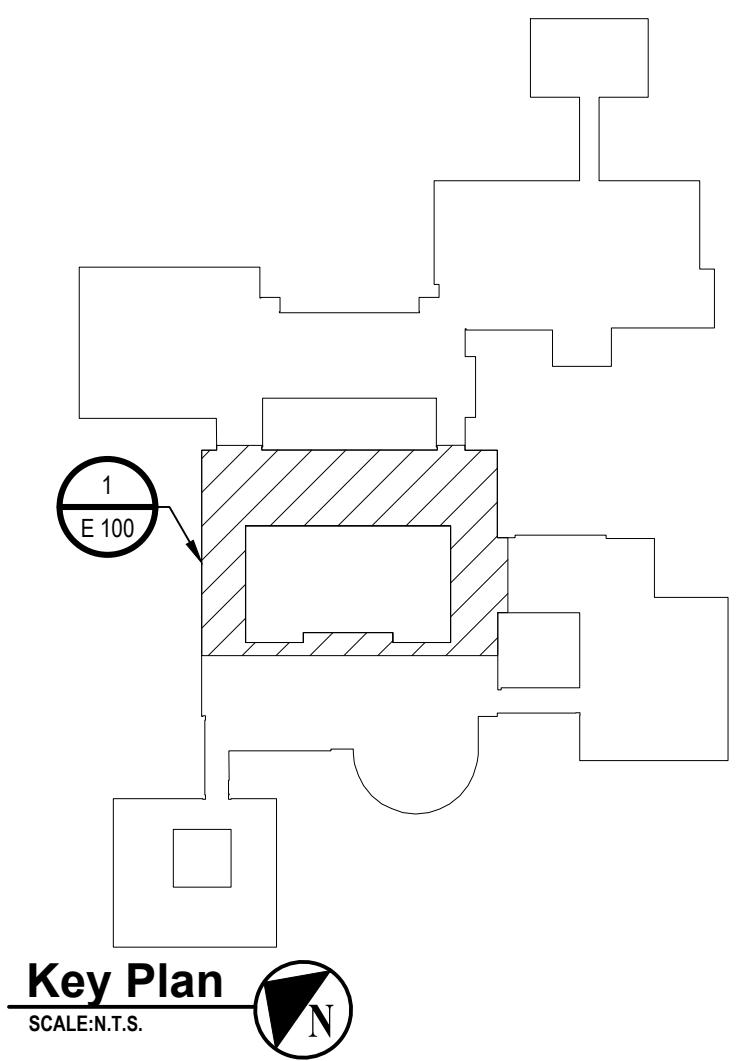
DRAWING No.
E 100.00



1 Electrical Partial Ground Floor HVAC and Power Plan (Building C)
SCALE: 1/16"=1'-0"



2 Electrical Enlarged Partial Ground Floor HVAC and Power Plan (Building C)
SCALE: 1/4"=1'-0"

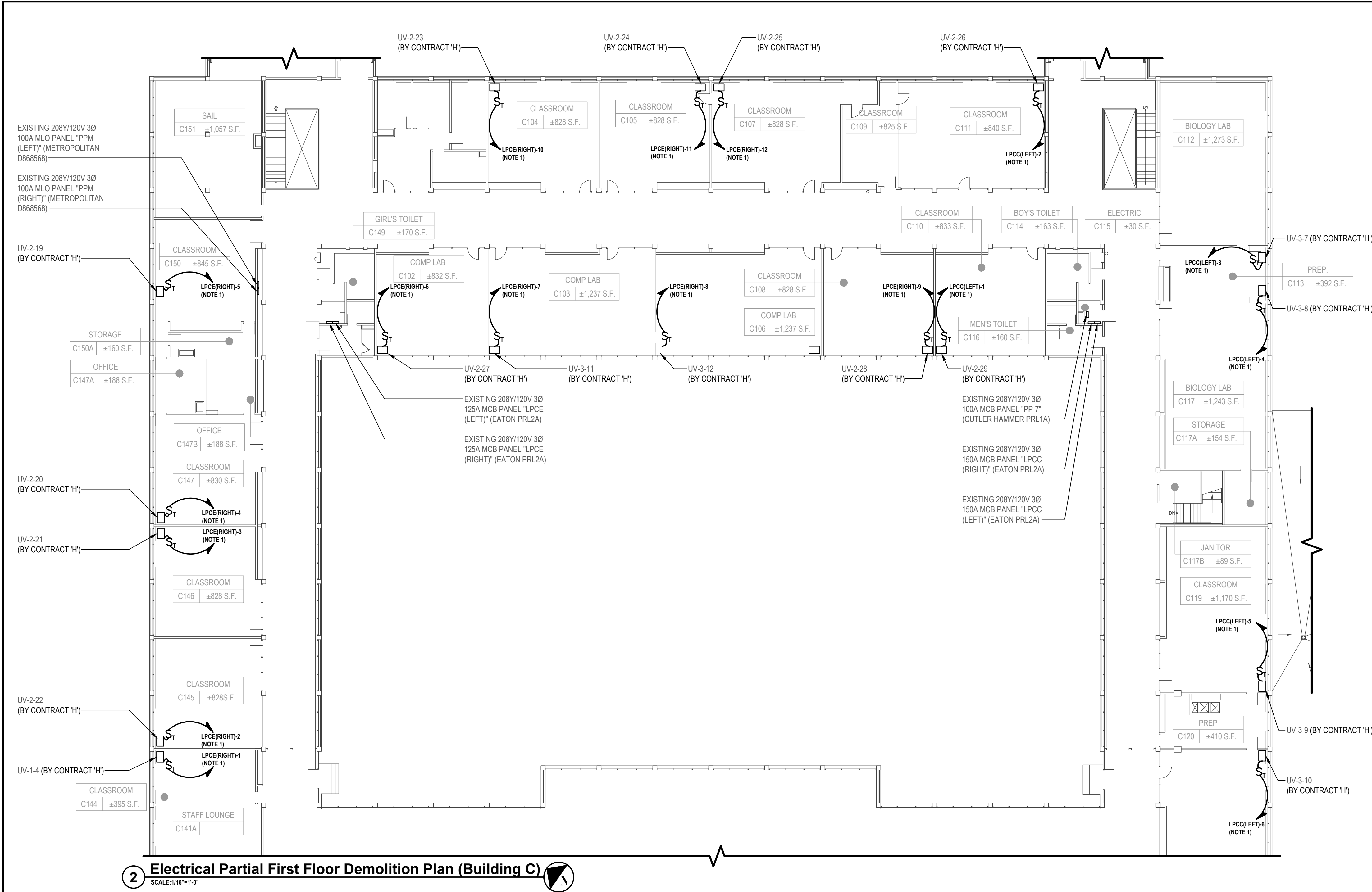


ELECTRICAL GENERAL NOTE:

G1. CONTRACTOR SHALL NOTE, ALL SPARE CIRCUIT BREAKER SCHEDULED TO BE REMOVED DUE TO NEW CIRCUIT BREAKERS SHALL BE REMOVED, CLEANED AND TURNED OVER TO SCHOOL DISTRICT.

ELECTRICAL KEY NOTES:

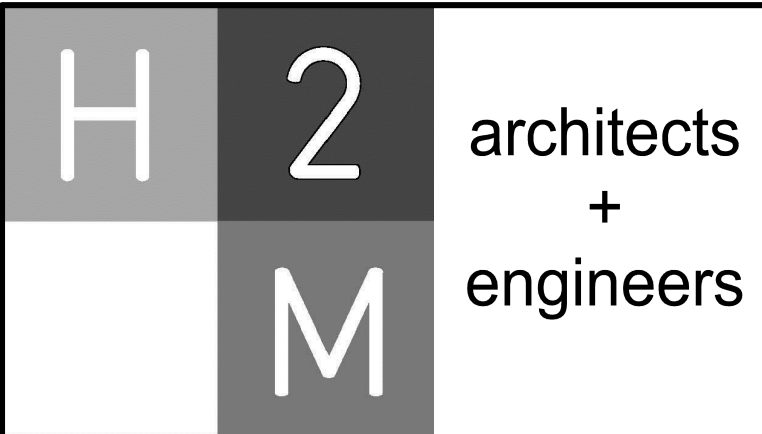
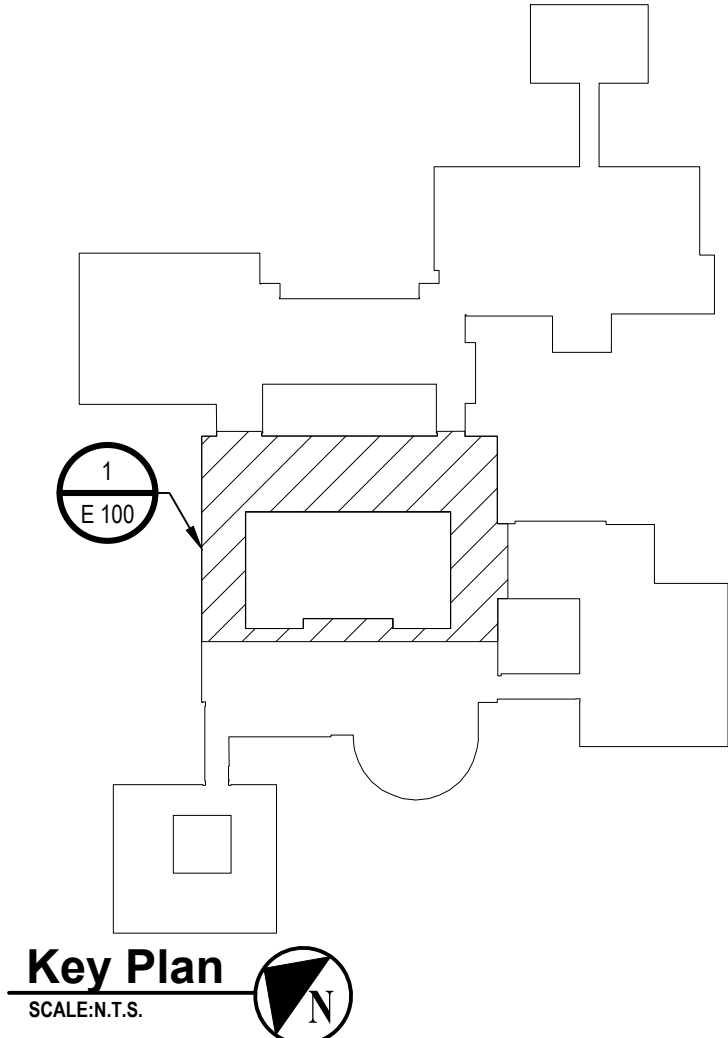
- CONTRACTOR SHALL BE PERMITTED TO USE EXISTING 15A/1P SPARE CIRCUIT BREAKER IN EXISTING PANEL. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AS REQUIRED.
- CONTRACTOR SHALL BE PERMITTED TO USE EXISTING 20A/1P SPARE CIRCUIT BREAKER IN EXISTING PANEL. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AS REQUIRED.
- 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.
- REFER TO DRAWING E 200 FOR ADDITIONAL INFORMATION.



ELECTRICAL KEY NOTE:

1. CONTRACTOR SHALL BE PERMITTED TO USE EXISTING 15A/1P SPARE CIRCUIT BREAKER IN EXISTING PANEL. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AS REQUIRED.

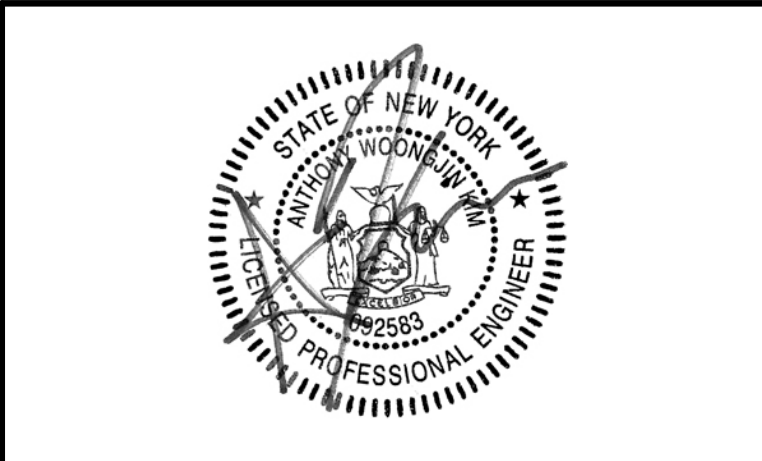
2 Electrical Partial First Floor Demolition Plan (Building C)
SCALE: 1/16"=1'-0"



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PROJECT NO: WPSPD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

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**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
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SED No. 66-22-00-01-0-16-028

CONTRACT
**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**ELECTRICAL PARTIAL FIRST
FLOOR HVAC AND POWER PLAN
(BUILDING C)**

DRAWING No.
E 101.00

X:\WPSPD\White Plains Central School District - 10501WPSPD2110 - White Plains HS Unit Ventilator Replacements\02-BIM\CADD\Construction\02-E 101 Electrical Partial First Floor HVAC and Power Plans\Building C.dwg Last Modified: Jan 30, 2023 - 2:17pm Printed on: Feb 02, 2023 - 11:03am By: angela

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-	02-03-23	FINAL BID DOCUMENT



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PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE:	AS SHOWN

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White Plains City School District

**WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS**



**550 North Street
White Plains, NY 10605**

SED No. 66-22-00-01-0-16-028

CONTRACT
**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**ELECTRICAL PARTIAL FLOORS
HVAC AND POWER PLANS
(BUILDING G)**

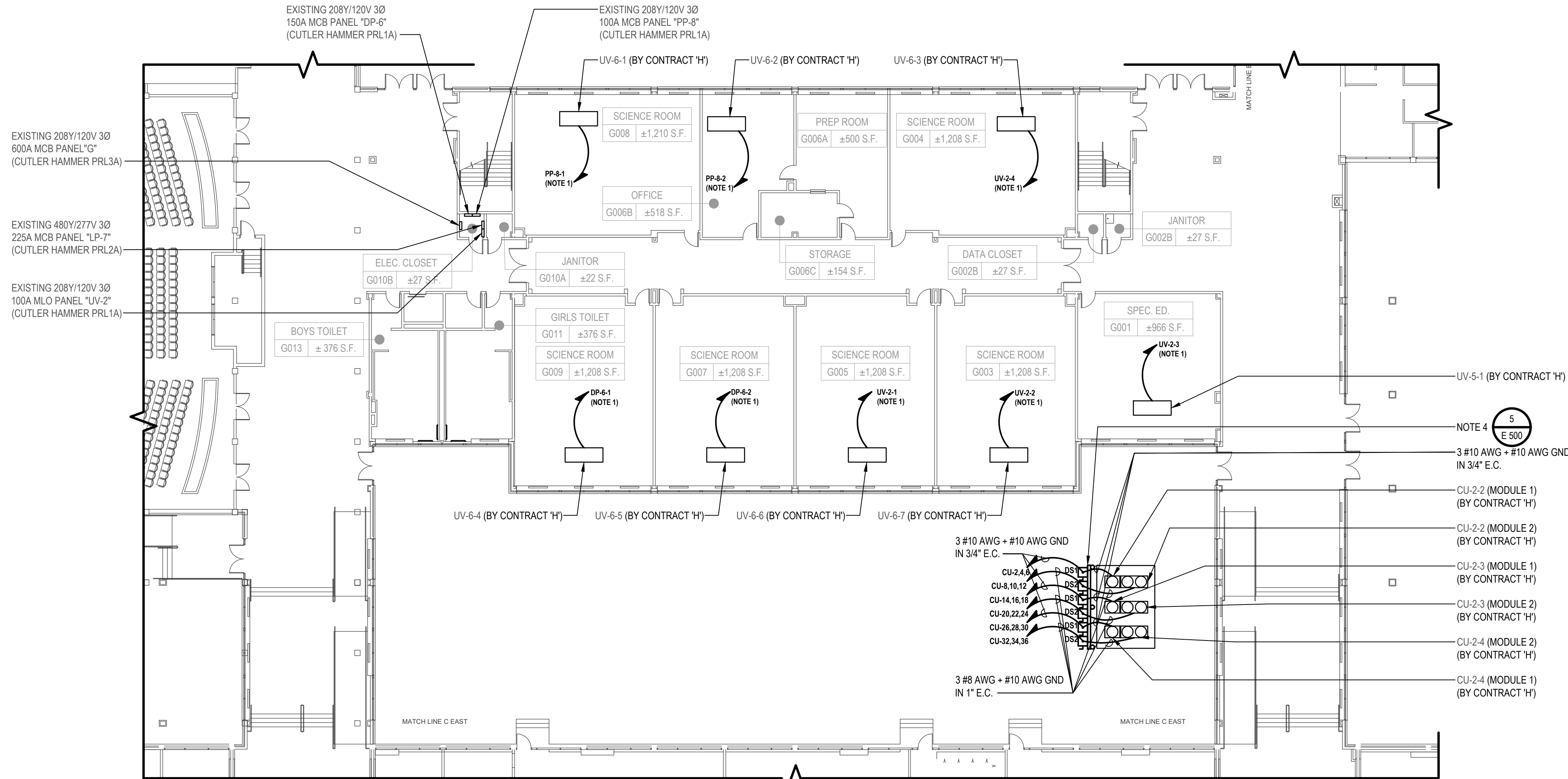
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E 102.00

ELECTRICAL GENERAL NOTES:

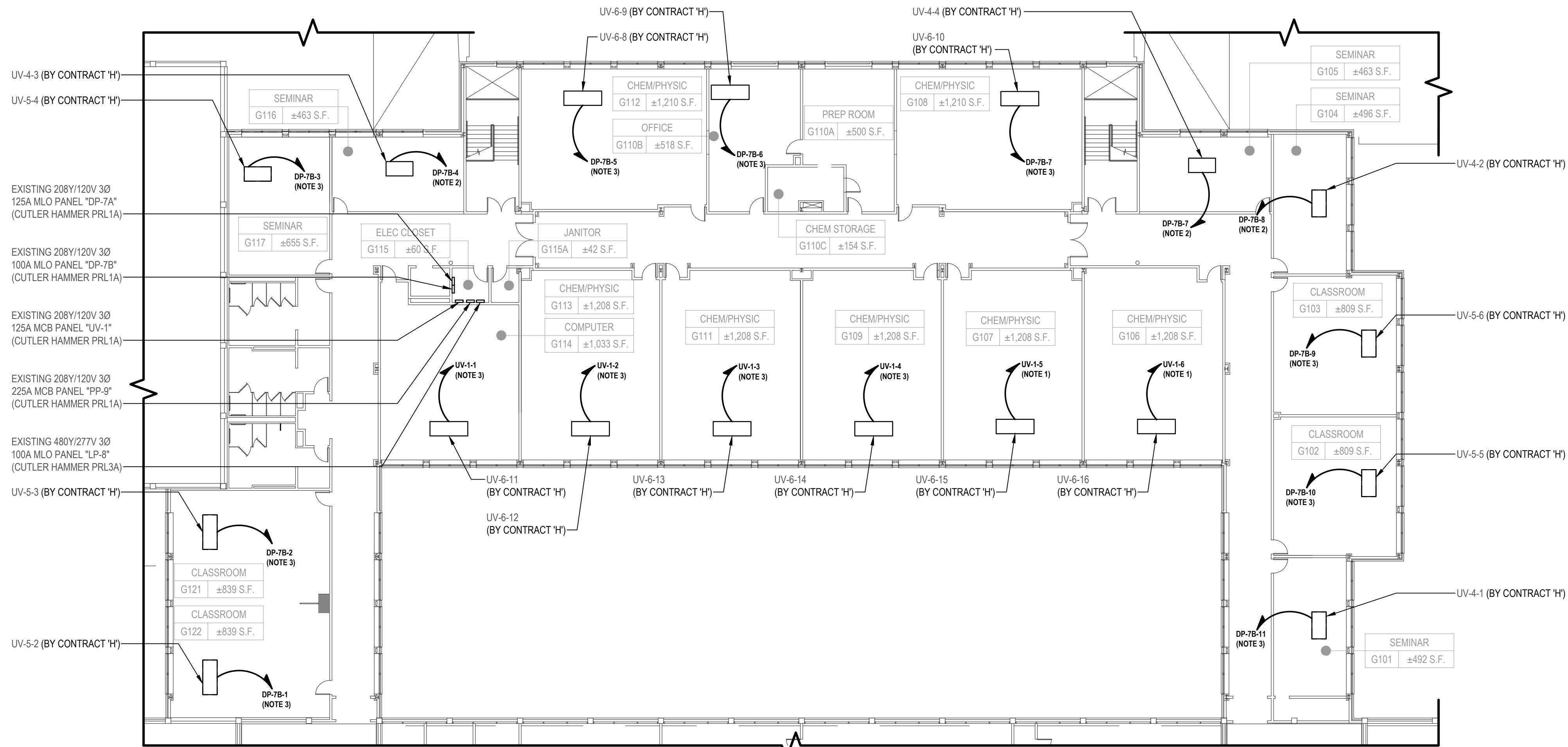
- REFER TO DRAWING E 100 FOR LOCATION OF PANEL "CU".
- CONTRACTOR SHALL NOTE, ALL SPARE CIRCUIT BREAKER SCHEDULED TO BE REMOVED DUE TO NEW CIRCUIT BREAKERS SHALL BE REMOVED, CLEANED AND TURNED OVER TO SCHOOL DISTRICT.

ELECTRICAL KEY NOTES:

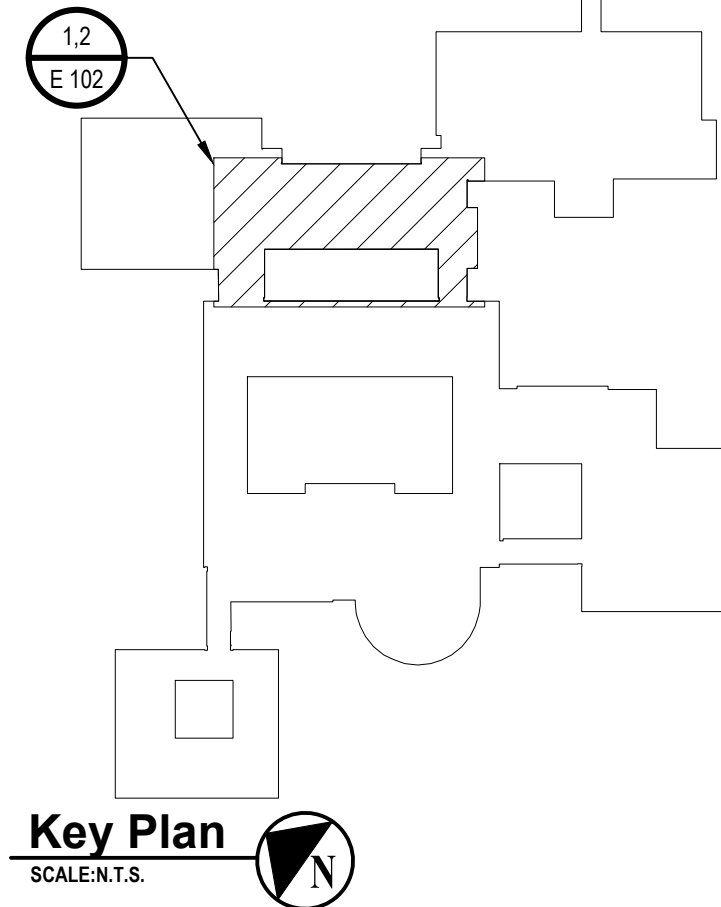
- CONTRACTOR SHALL PROVIDE AND INSTALL A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AS REQUIRED. NEW CIRCUIT BREAKER SHALL BE LISTED/LABELED FOR USE IN EXISTING PANEL. AMPERE INTERRUPTING CAPACITY (AIC) RATING ON NEW CIRCUIT BREAKER SHALL MATCH OR EXCEED EXISTING PANEL RATING.
- 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.
- CONTRACTOR SHALL BE PERMITTED TO USE EXISTING 20A/1P SPARE CIRCUIT BREAKER IN EXISTING PANEL. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AS REQUIRED.
- CONTRACTOR SHALL PROVIDE AND INSTALL A CHANNEL SUPPORT SYSTEM AS REQUIRED TO MOUNT DISCONNECT SWITCH FROM THE CURBS SUPPORTING THE CONDENSING UNIT SUCH THAT THE UNIT'S MANUFACTURERS WARRANTY IS NOT VOIDED. PROVIDE AND INSTALL ALL MOUNTING HARDWARE AND ACCESSORIES AS REQUIRED.



1 Electrical Partial Ground Floor HVAC and Power Plan (Building G)
SCALE: 1/16"=1'-0"



2 Electrical Partial First Floor HVAC and Power Plan (Building G)
SCALE: 1/16"=1'-0"



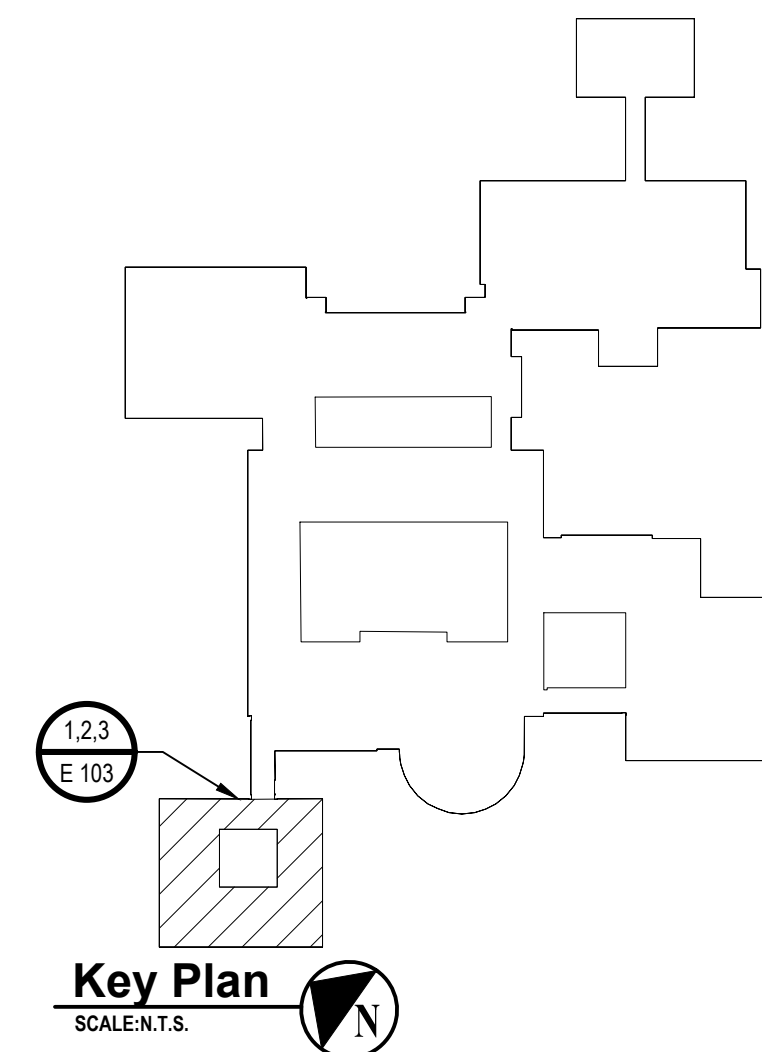
Key Plan
SCALE: 1/8"=1'-0"



UV-2-38 (BY CONTRACT 'H')


- EXISTING 208Y/120V 3Ø
150A MCB PANEL "DP-1B"
(CUTLER HAMMER PRL1A)
- EXISTING 208Y/120V 3Ø
225A MCB PANEL "PP-1B"
(CUTLER HAMMER PRL1A)
- EXISTING 208Y/120V 3Ø
150A MCB PANEL "ALPD
(LEFT)" (EATON PRL2A)
- EXISTING 208Y/120V 3Ø
150A MCB PANEL "ALPD
(RIGHT)" (EATON PRL2A)
- EXISTING 208Y/120V 3Ø
100A MCB PANEL "LF2"
(CUTLER HAMMER PRL2A)
- EXISTING PANEL
"INVERTER OUTPUT ONLY"

UV-1-6 (BY CONTRACT 'H')



CONSULTANTS:		


MARK	DATE	DESCRIPTION
-	02-03-23	FINAL BID DOCUMENT

			
"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL."			
DESIGNED BY: SAN	DRAWN BY: SAN	CHECKED BY:	REVIEWED BY:
PROJECT NO: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

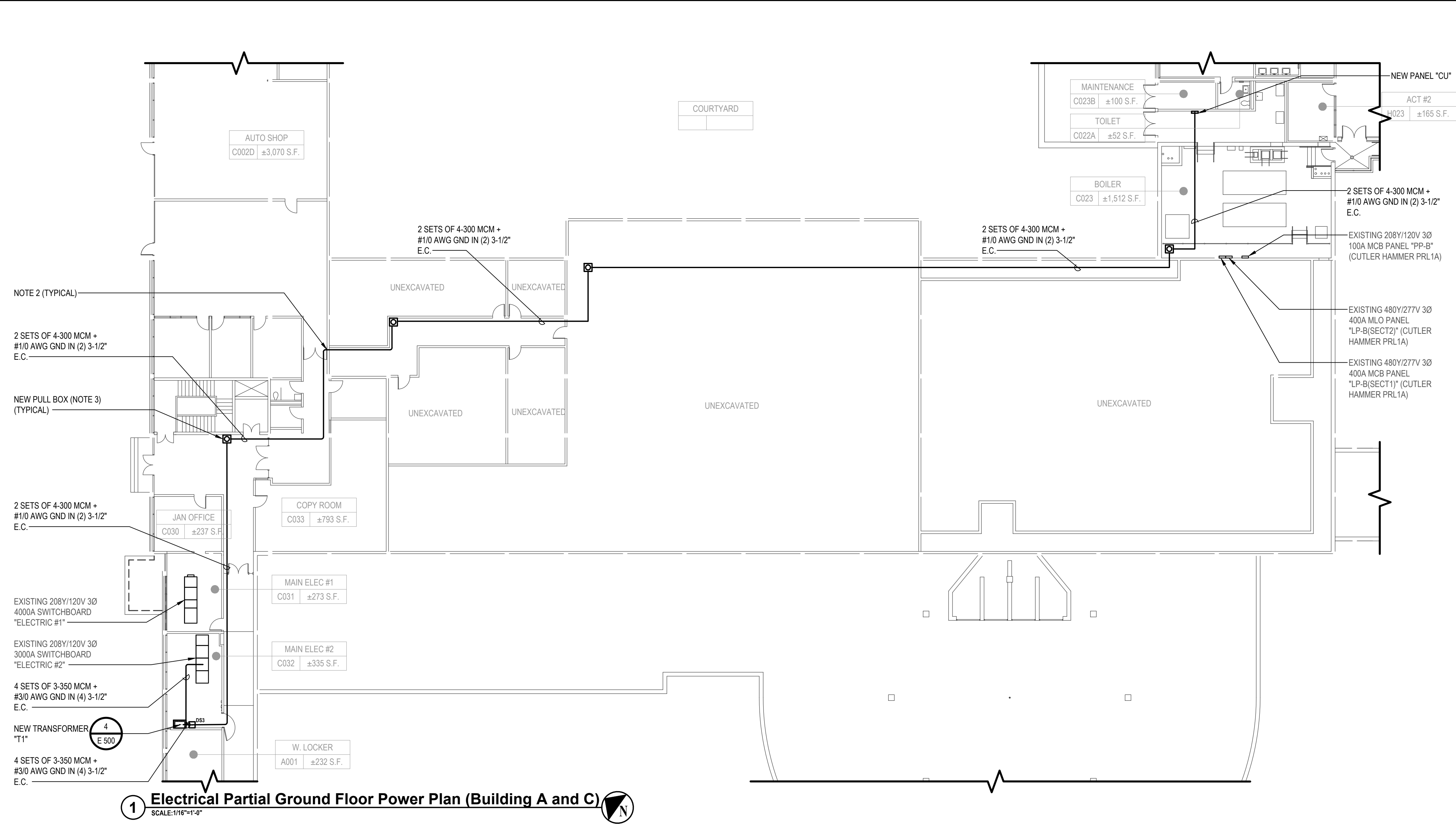
WHITE PLAINS HIGH SCHOOL
UNIT VENTILATOR
REPLACEMENTS



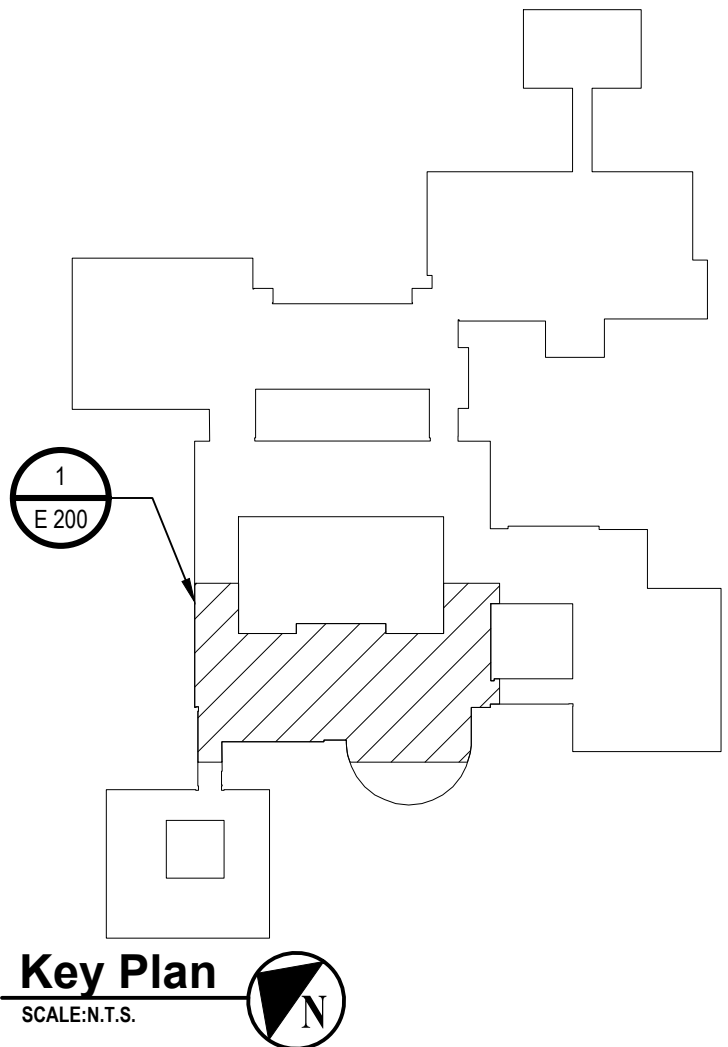
550 North Street
White Plains, NY 10605

SED No. 66-22-00-01-0-16-028

CONTRACT	CONTRACT E ELECTRICAL CONSTRUCTION
STATUS	FINAL BID DOCUMENT
SHEET TITLE	ELECTRICAL PARTIAL GROUND FLOOR POWER PLAN (BUILDING A AND C)
DRAWING No.	E 200.00



- ELECTRICAL GENERAL NOTE:**
- G1. CONTRACTOR SHALL NOTE THAT ALL WIRE AND CONDUIT ROUTING SHOWN ON THIS DRAWING IS DIAGRAMMATICAL. PRIOR TO BIDDING, CONTRACTOR SHALL FIELD VERIFY EXACT WIRE AND CONDUIT ROUTING ON SITE TO AVOID ALL EXISTING EQUIPMENT AND OBSTACLES AND SHALL RE-ROUTE AS REQUIRED.
- ELECTRICAL KEY NOTES:**
- CONTRACTOR SHALL REMOVE/MODIFY EXISTING FRAMES IN EXISTING SWITCHBOARD AS REQUIRED TO PROVIDE AND INSTALL A NEW 1200A/3P FRAME AND THREE (3) NEW 1200A FUSES FOR NEW TRANSFORMER "T1" AND ASSOCIATED PANEL "CU". PROVIDE AND INSTALL NEW BUSS DETAIL AND MOUNTING HARDWARE AS REQUIRED. PROVIDE AND INSTALL NEW FACEPLATES (DEAD FRONT) ON EXISTING SWITCHBOARD FOR THE NEW FRAME AS REQUIRED. AMPERE INTERRUPTING CAPACITY (AIC) RATINGS ON NEW FRAME AND FUSES SHALL MATCH OR EXCEED EXISTING SWITCHBOARD RATING. REFER TO SINGLE LINE DIAGRAM FRO ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL COREDRILL WALL AS REQUIRED. INSTALL NON SHRINK GROUT/FIREPROOFING SEALANT FOR ALL CONDUIT PENETRATIONS. RESTORE ALL FINISH TO MATCH EXISTING.
 - NEW PULL BOX. FLOOR PLAN SHOWS MINIMUM REQUIRED PULL BOXES. PROVIDE ADDITIONAL PULL BOXES AS REQUIRED BY NEC AND AS REQUIRED FOR INSTALLATION PURPOSES. SIZE SHALL BE IN ACCORDANCE WITH NEC. PROVIDE AND INSTALL ALL HARDWARE AND ACCESSORIES REQUIRED TO MOUNT PULLBOX TO CEILING.





ELECTRICAL SINGLE LINE NOTES:

1. NOT ALL EXISTING CIRCUITS ARE SHOWN IN PARTIAL SINGLE LINE DIAGRAM FOR CLARITY PURPOSES. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL REMOVE/MODIFY EXISTING FRAMES IN EXISTING SWITCHBOARD AS REQUIRED TO PROVIDE AND INSTALL A NEW 1200/3P FRAME AND THREE (3) NEW 1200/3A FUSES FOR NEW TRANSFORMER T11 AND ASSOCIATED PANEL. PROVIDE AND INSTALL NEW BUSBARS, DETAIL AND MOUNTING HARDWARE AS REQUIRED. PROVIDE AND INSTALL NEW FACEPLATES (DEAD FRONT) ON EXISTING SWITCHBOARD FOR THE NEW FRAME AS REQUIRED. AMPERE INTERRUPTING CAPACITY (AIC) RATING ON NEW FRAME AND FUSES SHALL MATCH OR EXCEED EXISTING SWITCHBOARD RATING.



NOTE:

1. CONTRACTOR SHALL PRIME AND PAINT CONCRETE PAD BEFORE INSTALLING TRANSFORMER.



5 Disconnect Switch Mounting Detail



Panel Wiring Schedule (3-Phase)																						
Panelboard		CU		Voltage		277/480		Phase		3												
Manufacturer		SIEMENS		Mains		450A MCB		Mains Rating		600A												
Panel Type		P2		Mounting		SURFACE		Options		Note												
NEMA Type Enclosure		1																				
LOAD DESCRIPTION	BREAKER OPTION	TRIP AMPS & POLES	CONNECTED LOAD			NO. OF CIRCUITS	A	B	C	CONNECTED LOAD			TRIP AMPS & POLES	BREAKER OPTION	LOAD DESCRIPTION							
			VOLT AMPERES							VOLT AMPERES												
			Ø A	Ø B	Ø C					Ø A	Ø B	Ø C										
CU-1-2 MODULE 1	HACR	40A/3P	9263	9263	9263	1				2	6906		30A/3P	HACR	CU-2-2 MODULE 1							
						3				4		6906										
						5				6			6906									
CU-1-2 MODULE 2	HACR	40A/3P	9263	9263	9263	7				8	7549		35A/3P	HACR	CU-2-2 MODULE 2							
						9				10		7549										
						11				12			7549									
CU-2-6 MODULE 1	HACR	30A/3P	6906	6906	6906	13				14	6906		30A/3P	HACR	CU-2-3 MODULE 1							
						15				16		6906										
						17				18			6906									
CU-2-6 MODULE 2	HACR	35A/3P	7549	7549	7549	19				20	7549		35A/3P	HACR	CU-2-3 MODULE 2							
						21				22		7549										
						23				24			7549									
CU-2-5 MODULE 1	HACR	30A/3P	6906	6906	6906	25				26	6906		30A/3P	HACR	CU-2-4 MODULE 1							
						27				28		6906										
						29				30			6906									
CU-2-5 MODULE 2	HACR	35A/3P	7549	7549	7549	31				32	7549		35A/3P	HACR	CU-2-4 MODULE 2							
						33				34		7549										
						35				36			7549									
SPARE		20A/1P	-	-	-	37				38	-	-	20A/1P		SPARE							
SPARE		20A/1P	-	-	-	39				40	-	-	20A/1P		SPARE							
SPARE		20A/1P	-	-	-	41				42	-	-	20A/1P		SPARE							
Connected Totals:						ØA - 90.81 KVA		ØB - 90.81 KVA		ØC - 90.81 KVA		Breaker Options										

TRANSFORMER SCHEDULE						
TRANSFORMER IDENTIFICATION	SIZE	PRIMARY VOLTAGE / PHASE	SECONDARY VOLTAGE / PHASE / WIRE	TYPE	ENCLOSURE	MOUNTING LOCATION
T1	300 KVA	208V / 3Ø	480Y/277V 3Ø 4W	DRY	NEMA 1	CONCRETE PAD

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

CONSULTANTS:

[illegible]

DESIGNED BY: SAN	DRAWN BY: SAN	CHECKED BY:	REVIEWED BY: 0
PROJECT No.: WPSD2110	DATE: FEBRUARY 2023	SCALE: AS SHOWN	

CLIENT

White Plains City School District

WHITE PLAINS HIGH SCHOOL UNIT VENTILATOR REPLACEMENTS



SED No. 66-22-00-01-0-16-028

CONTRACT

CONTRACT E
ELECTRICAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

ELECTRICAL SCHEDULES AND DETAILS

DRAWING No.

E 500.00