WHITE PLAINS CITY SCHOOL DISTRICT

RENOVATIONS AT THE ROCHAMBEAU ALTERNATIVE HIGH SCHOOL

228 FISHER AVENUE
WHITE PLAINS, NEW YORK 10606

SED PROJECT CONTROL NUMBER 66-22-00-01-0-015-0020

CONTRACT G - GENERAL CONSTRUCTION AND ASBESTOS ABATEMENT WORK,
CONTRACT W - WINDOW REPLACEMENT WORK
CONTRACT M - MECHANICAL WORK,
CONTRACT P - PLUMBING WORK, CONTRACT E - ELECTRICAL WORK

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	GYP. BD.	Gypsum Board
ADJ	Adjustable	HC	Handicapped
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	MAX	Maximum
AWS	American Welding Society	MECH	Mechanical
B	Fire Blanket	MISC	Miscellaneous
BAL	Balance	MO	Masonry Opening
BB	Bulletin Board	MR	Moisture Resistant
BD	Board	NIC	Not in Contract
BLDG	Building	NTS	Not to Scale
BLK	Block	OC	On Center
BLKG	Blocking	OD	Outside Diameter
BM	Beam	PLYWD	Plywood
B.O.	Bottom Of	PSF	Pounds per Square Foot
BOL	Bottom Of Lintel	PSI	Pounds per Square Inch
BOT	Bottom	PTD	Painted
CEIL	Ceiling	PVC	Polyvinyl Chloride
CEM	Cement	R	Radius or Riser
CER	Ceramic	RCP	Reflected Ceiling Plan
CLO	Closet	RD	Roof Drain
CMU	Concrete Masonry Unit	REINF	Reinforced
COL	Column	RM	Room
CONC	Concrete	RO	Rough Opening
CONST	Construction	SIM	Similar
CONT	Continuous	SPEC	Specifications
CORR	Corridor	SQ	Square
CPT	Carpet	SS	Stainless Steel
DS	Downspout	STL	Steel
DW	Dishwasher	TEMP	Temperature
DWG	Drawing	TER	Terrazzo
EA	Each	THK	Thick
EL	Elevation	TYP	Typical
ELEC	Electric/Electrical	UTIL	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

1. 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.
2. ALL NOTES APPEARING HEREIN, WITH THOSE ON VARIOUS DRAWINGS SHALL APPLY TO ALL DRAWINGS AND FORM PART OF THE CONTRACT DOCUMENTS.
3. 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.
4. 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.
5. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, LAWS AND STATUTES AS REQUIRED. STRICTLY ADHERE TO MANUFACTURER'S PRINTED INSTRUCTIONS.
6. VERIFY EXACT LAYOUT COMPATIBILITY WITH ALL EXISTING CONDITIONS BEFORE BEGINNING WORK.
7. 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.
8. EACH CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ANSI AND PROVIDE WHERE APPLICABLE ADA COMPLIANT BUILDING COMPONENTS.
9. THE OWNER RESUMES 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.
10. 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.
11. 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.
12. THE SCOPE OF WORK FOR THIS PROJECT INCLUDES BUT IS NOT LIMITED TO THE WINDOW REPLACEMENTS THROUGHOUT THE ENTIRE BUILDING; RENOVATION OF ALL THE CLASSROOMS INCLUDING NEW CEILINGS, DOORS, AND CASEWORK; RENOVATION OF THE KITCHEN AND CAFETERIA; RENOVATION OF THE SCIENCE AND ART ROOM; VENTILATION, HEATING, AIR CONDITIONING, ELECTRICAL, AND LIGHTING WORK.

DRAWING LIST

INFORMATIONAL DRAWINGS (ALL CONTRACTS)
G000.00 GENERAL NOTES, MAPS, DRAWING LIST, STAGING PLAN, EXIT PLAN & LEGENDS
G100.00 EXISTING BASEMENT PLAN
G101.00 EXISTING GROUND FLOOR PLAN
G102.00 EXISTING FIRST FLOOR PLAN
G103.00 EXISTING SECOND FLOOR PLAN
G104.00 EXISTING THIRD FLOOR PLAN
G111.00 GROUND FLOOR CODE ANALYSIS
G112.00 FIRST FLOOR CODE ANALYSIS
G113.00 SECOND FLOOR CODE ANALYSIS

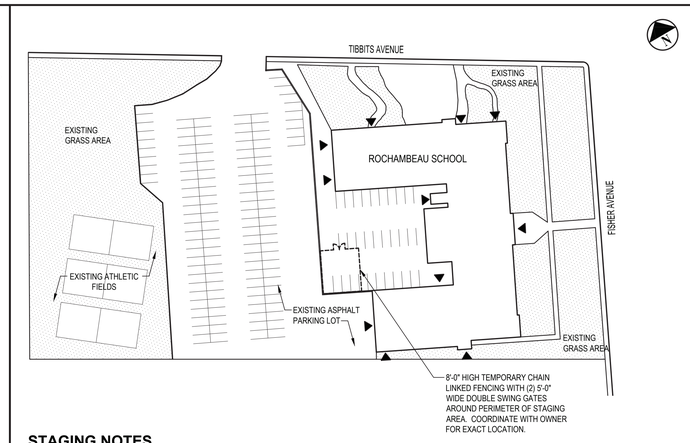
ASBESTOS ABATEMENT DRAWINGS
H001.00 ASBESTOS ABATEMENT GENERAL NOTES
H002.00 ASBESTOS ABATEMENT DESIGN TABLES
H003.00 ASBESTOS ABATEMENT GROUND FLOOR PLAN
H004.00 ASBESTOS ABATEMENT FIRST FLOOR PLAN
H005.00 ASBESTOS ABATEMENT SECOND FLOOR PLAN

ARCHITECTURE DRAWINGS
AD 101.00 GROUND FLOOR DEMOLITION PLAN
AD 102.00 FIRST FLOOR DEMOLITION PLAN
AD 103.00 SECOND FLOOR DEMOLITION PLAN
AD 104.00 ROOF DEMOLITION PLAN
A 000.00 PARTITION DETAILS
A 101.00 PROPOSED GROUND FLOOR PLAN
A 102.00 PROPOSED FIRST FLOOR PLAN
A 103.00 PROPOSED SECOND FLOOR PLAN
A 104.00 PROPOSED ROOF PLAN, CUPOLA ELEVATION, AND WINDOW TYPE
A 121.00 GROUND FLOOR REFLECTED CEILING PLAN
A 122.00 FIRST FLOOR REFLECTED CEILING PLAN
A 123.00 SECOND FLOOR REFLECTED CEILING PLAN
A 400.00 ENLARGED DEMOLITION AND PROPOSED SECOND FLOOR TOILET ROOM PLANS AND INTERIOR ELEVATIONS
A 401.00 ENLARGED DEMOLITION AND PROPOSED GROUND FLOOR TOILET ROOM PLANS AND INTERIOR ELEVATIONS
A 402.00 ENLARGED CLASSROOM AND ART ROOM PLAN AND INTERIOR ELEVATIONS
A 403.00 ENLARGED SCIENCE ROOM PLAN AND INTERIOR ELEVATIONS
A 500.00 WINDOW DETAILS
A 501.00 SKYLIGHT AND MISCELLANEOUS DETAILS
A 502.00 CASEWORK DETAILS
A 600.00 WINDOW TYPES
A 601.00 WINDOW SCHEDULE AND DETAILS
A 602.00 CASEWORK, FURNITURE, AND FINISH SCHEDULE

PLUMBING DRAWINGS
P 001.00 GENERAL NOTES, LEGEND, ABBREVIATIONS, AND SCHEDULES
PD 100.00 PLUMBING SECOND FLOOR OVERALL DEMOLITION PLAN
P 100.00 PLUMBING ENLARGEMENT PLANS AND RISERS

MECHANICAL DRAWINGS
M 000.00 MECHANICAL LEGENDS, SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES
MD 110.00 MECHANICAL DEMO PLAN- GROUND FLOOR
MD 120.00 MECHANICAL DEMO PLAN- FIRST FLOOR
MD 130.00 MECHANICAL DEMO PLAN- SECOND FLOOR
MD 140.00 MECHANICAL DEMO PLAN- ROOF
M 110.00 MECHANICAL PLAN- GROUND FLOOR
M 120.00 MECHANICAL PLAN-FIRST FLOOR
M 130.00 MECHANICAL PLAN- SECOND FLOOR
M 140.00 MECHANICAL PLAN- ROOF
M 500.00 MECHANICAL DETAILS
M 501.00 MECHANICAL DETAILS
M 600.00 MECHANICAL SCHEDULES
M 601.00 MECHANICAL SCHEDULES

ELECTRICAL DRAWINGS
E 001.00 GENERAL NOTES AND LEGENDS
ED 101.00 GROUND FLOOR DEMOLITION PLAN
ED 102.00 FIRST FLOOR DEMOLITION PLAN
ED 103.00 SECOND FLOOR DEMOLITION PLAN
ED 105.00 ROOF LEVEL DEMOLITION PLAN
E 100.00 BASEMENT PROPOSED FLOOR PLAN
E 101.00 GROUND FLOOR PROPOSED PLAN
E 102.00 FIRST FLOOR PROPOSED PLAN
E 103.00 SECOND FLOOR PROPOSED PLAN
E 105.00 ROOF LEVEL PROPOSED PLAN
E 110.00 ELECTRICAL SITE PLAN
E 121.00 GROUND FLOOR LIGHTING PLAN
E 122.00 FIRST FLOOR LIGHTING PLAN
E 123.00 SECOND FLOOR LIGHTING PLAN
E 500.00 ELECTRICAL ONE LINE DIAGRAM
E 501.00 ELECTRICAL DETAILS
E 600.00 ELECTRICAL SCHEDULES
E 601.00 ELECTRICAL SCHEDULES

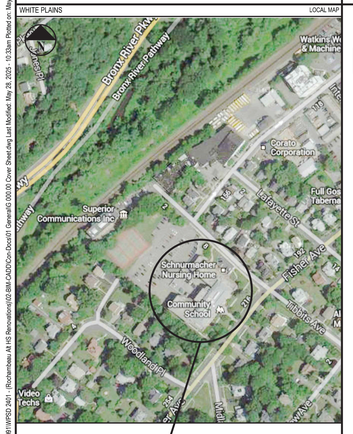


STAGING NOTES

1. POST SIGNS INDICATING CONSTRUCTION AREA AND CONSTRUCTION EMPLOYEE ENTRANCE.
2. 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.
3. CONTRACTOR IS TO STAGE ON THE SITE IN SUCH A MANNER AS TO NOT BLOCK OR ENCROACH UPON EXISTING EXITS/ENTRANCES TO BUILDING, AND VEHICLE ACCESS.

SYMBOLS
▲ STAFF ENTRANCE / EGRESS

LOCATION MAPS



PROJECT SITE

SYMBOLS LEGEND

GYMNASIUM -	ROOM DESIGNATION
1 A5.0	SECTION MARK
1 A5.1	DETAIL SYMBOL
1 A4.0	ELEVATION KEY
C 101 A	INTERIOR ELEVATION REFERENCE
	ELEVATION LINE
3	REVISION
3	PARTITION TYPE
	GYPSUM
	CONCRETE
	AGGREGATE SUB-BASE
	EARTH
	BATT INSULATION
	PLYWOOD
	RIGID INSULATION
	STEEL
	WOOD
	WOOD BLOCKING

UNIFORM SAFETY STANDARDS - FOR SCHOOL CONSTRUCTION AND MAINTENANCE PROJECTS

1. "THE OCCUPIED PORTION OF ANY SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY."
2. ALL SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OR DEMOLITION HAVE BEEN TESTED FOR ASBESTOS AND SOME MATERIALS WERE FOUND TO BE POSITIVE. IF ENCOUNTERED, THE CONTRACTOR SHALL ABATE MATERIAL AS PER SPECIFICATION SECTION 020810 - ASBESTOS ABATEMENT, ALL TEST RESULTS CAN BE FOUND IN THIS SPECIFICATION SECTION.
3. "GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS:
   (1) ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.
   (2) FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.
   (3) GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.
   (4) 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.
   (5) WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES."
4. "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.
   (1) A SPECIFIC STAIRWELL AND/OR ELEVATOR SHALL BE ASSIGNED FOR CONSTRUCTION WORKER USE DURING WORK HOURS. IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF. WHERE NO STAIRWELL AND OR ELEVATOR IS ASSIGNED, WORKERS MUST ENTER THE CONSTRUCTION SPACES DIRECTLY FROM THE BUILDING EXTERIOR.
   (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.
   (3) ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORKDAY. SCHOOL BUILDINGS OCCUPIED DURING A CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION."
5. A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED.
6. WORK UNDER THIS CONTRACT WILL BE CONDUCTED DURING THE SUMMER RECESS WHEN THE BUILDING IS UNOCCUPIED. IF THE BUILDING BECOMES OCCUPIED THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EXISTING MEANS OF EGRESS IN A CLEAR AND FREE MANNER, INCLUDING THE STORAGE OF MATERIALS AND STAGING OF EQUIPMENT ON THE SITE. IF ANY PORTION OF THE BUILDING DOES BECOME OCCUPIED THE ARCHITECT WILL PROVIDE A DETAILED PLAN FOR EXITING, OVERHEAD PROTECTION AND EGRESS IN ACCORDANCE WITH APPLICABLE BUILDING CODES.
7. A PLAN DETAILING HOW ADEQUATE VENTILATION WILL BE MAINTAINED DURING CONSTRUCTION.
8. WORK UNDER THIS PROJECT WILL BE COMPLETED DURING THE SUMMER RECESS WHEN THE BUILDING WILL NOT BE OCCUPIED BY FACULTY, STAFF OR STUDENTS. IF A PORTION OF THE BUILDING IS TO BECOME OCCUPIED DURING THE CONSTRUCTION PROCESS THE CONTRACTOR SHALL CLOSE OFF ALL INTAKES, OPENINGS, AND MECHANICAL VENTILATION SYSTEMS ADJACENT TO THE WORK AREA. THE ARCHITECT SHALL ASSIST THE CONTRACTOR IN DEVELOPING A PLAN TO PROVIDE ALTERNATE MEANS OF FRESH AIR TO ALL OCCUPIED SPACES.

   "CONSTRUCTION AND MAINTENANCE OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60 DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE BUILDING OR AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN."

   "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.
9. "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."
10. "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.
11. 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 DISRUPTED BY NOISE OR VISUAL DISTRACTION.
12. 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.
13. ALL PAINTED SURFACES TO BE DISTURBED DURING CONSTRUCTION AND/OR DEMOLITION UNDER THE SCOPE OF THIS PROJECT HAVE BEEN TESTED FOR LEAD CONTENT IN ACCORDANCE WITH USEPA REGULATIONS AND PER HUD GUIDELINES. ALL MATERIALS THAT TESTED POSITIVE WHICH ARE TO BE DISTURBED UNDER THE PROJECT ARE SCHEDULED FOR REMOVAL UNDER THE TERMS OF SECTION 026000 OF THE PROJECT SPECIFICATIONS. TRACES OF LEAD WERE ALSO DETECTED IN OTHER MATERIALS, THEREFORE THE CONTRACTOR SHALL TAKE THE PROPER MEASURES TO PROTECT AND TRAIN WORKERS PER OSHA REGULATIONS. ALL TESTING RESULTS ARE ATTACHED TO SPECIFICATION SECTION 028300.
14. 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.
15. 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.
16. 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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NY Architecture & Landscape Architecture: No Certificate Required
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CONSULTANTS:

MARK	DATE	DESCRIPTION
0	09-11-24	SED SUBMISSION
1	02-25-25	SED ADDENDUM 1
	05-28-25	FINAL BID SET

REGISTERED ARCHITECT KEVIN MICHAEL MEDLER 028379 STATE OF NEW YORK

KEVIN M. MEDLER, R.A.
07/31/2027
EXP. DATE
NY REGISTERED ARCHITECT Lic. No. 028379
"IN ACCORDANCE WITH ARTICLE 145, SECTION 7209 OF THE NYS EDUCATION LAW, ALTERATION OF THIS DOCUMENT EXCEPT BY LICENSE PROFESSIONAL IS ILLEGAL"

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
CWP	NL	CWP	KMM

PROJECT No.:	DATE:	SCALE
WPSD2401	MAY 2025	AS SHOWN

CLIENT
White Plains City School District

Renovations at Rochambeau Alternate High School

228 Fisher Avenue
White Plains, NY 10606

SED #66-22-00-01-0-015-020

CONTRACT
ALL CONTRACTS

STATUS
FINAL BID DOCUMENT

SHEET TITLE
GENERAL NOTES, MAPS, DRAWING LIST, STAGING PLAN, EXIT PLAN AND LEGENDS

DRAWING No.
G 000.00

X:\WPSD (White Plains Central School District) - 1091\WPSD 2401 (Rochambeau Alt HS Renovations)\02 BIM-CAD\Dwgs-Docs\01 General\G 000.00 Cover Sheet.dwg Last Modified: May 28, 2025 - 10:33am Plotted on: May 28, 2025 - 10:34am By: ALongo

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BCU	BUILDING CONTROL UNIT
BTU	BRITISH THERMAL UNIT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
COMM.	COMMUNICATION
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. H20	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
LPR	LOW PRESSURE RETURN
LPS	LOW PRESSURE STEAM
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
M	METER
MAX	MAXIMUM
MBH	1,000 BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MNF	MANUFACTURER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OAI	OUTDOOR AIR INTAKE
OD	OUTER DIAMETER
OED	OPEN ENDED DUCT
'P'	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PSIG	LBS / SQUARE INCH (GAUGE PRESSURE)
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAT	SUPPLY AIR TEMPERATURE
SEER	SEASONAL ENERGY EFFICIENCY RATING
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
W	WIDTH
WB	WET BULB
WMS	WIRE MESH SCREEN

DUCTWORK LEGEND

SYMBOL	ABBREV	DESCRIPTION
		DUCTWORK BRANCH CONNECTION
	VD	VOLUME DAMPER
	CD	ROUND FACE SUPPLY DIFFUSER
	SEE AIR DEVICE SCHEDULE	SIDEWALL SUPPLY, RETURN OR EXHAUST GRILLE/REGISTER
	SEE AIR DEVICE SCHEDULE	SQUARE FACE SUPPLY DIFFUSER
	SEE AIR DEVICE SCHEDULE	BOTTOM RETURN OR EXHAUST GRILLE/REGISTER
		FLEX DUCT
	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	DSD	DUCT SMOKE DETECTOR
M	MD	MOTORIZED DAMPER WITH ACTUATOR
OR	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

PIPING LEGEND

SYMBOL	ABBREV	DESCRIPTION
		NEW WORK
		WORK TO BE REMOVED
		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
		PLUG VALVE
	STR	STRAINER
	STR	STRAINER WITH BLOW OFF VALVE WITH HOSE END CONNECTION
	FD	FLOOR DRAIN
S		AIR SEPARATOR
F&T		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
		POINT OF DISCONNECTION FROM EXISTING
		POINT OF CONNECTION TO EXISTING
	TDV	TRIPLE DUTY VALVE

CONTROLS LEGEND

SYMBOL	DESCRIPTION
C	CARBON MONOXIDE SENSOR
T	THERMOSTAT
S	DIGITAL TEMPERATURE SENSOR
H	HUMIDITY SENSOR
CO2	CARBON DIOXIDE SENSOR
P	PRESSURE SENSOR

GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT THEY HAVE INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS.
3. PERFORM ALL WORK IN ACCORDANCE WITH THE PLUMBING CODE, FIRE CODE, MECHANICAL CODE, ENERGY CONSERVATION CONSTRUCTION CODE, AND FUEL GAS CODE OF NEW YORK STATE 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 STATE. (SEE "G" SHEETS FOR GENERAL CODE INFORMATION INCLUDING LOCATIONS OF FIRE RATED CONSTRUCTION.)
6. DO NOT SCALE DRAWINGS. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS, PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S REQUIREMENTS TO PROVIDE PROPER CLEARANCE FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTOR'S FABRICATED ITEMS SHALL ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.
7. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
8. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
9. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
10. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
11. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
12. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING AND DUCT TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
13. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
14. COORDINATE INSTALLATION OF SUPPLY AND RETURN GRILLES WITH INSTALLATION OF FINISHED CEILINGS.
15. COMPLETE ALL PRESSURE TESTS BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK, OR PIPING INSULATION IS APPLIED.
16. 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.
17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE FORGED OR CAST BEAM CLAMPS; THE USE OF ROLLED STEEL C-CLAMPS IS NOT PERMITTED. REFER TO SPECIFICATION SECTION 230529 FOR ADDITIONAL INFORMATION.
18. INTERNALLY LINE ALL SUPPLY, RETURN AND OUTDOOR AIR DUCTWORK WITHIN 20 FEET UPSTREAM AND DOWNSTREAM OF FANS/AIR HANDLING EQUIPMENT WITH 1" THICK ACOUSTIC DUCT LINER. INTERNALLY LINED DUCTWORK MEETING THIS REQUIREMENT SHALL ALSO BE PROVIDED WITH EXTERNALLY APPLIED INSULATION AS REQUIRED BY THE SPECIFICATIONS. SEE SPECIFICATION SECTION 230719 FOR ADDITIONAL REQUIREMENTS.
19. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS, AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIR STREAM. PROVIDE TRAP AT CONNECTION, WATER SEAL DEPTH 1 INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT/ENGINEER.
20. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

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 ROUGH PATCH EXISTING CONSTRUCTION AS REQUIRED FOR THE PERFORMANCE OF THE WORK. FINISH PATCHING AND FLASHING REQUIREMENTS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. 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.

CONTRACT 'M' SCOPE NOTES

1. FURNISH ALL LOUVERS FOR INSTALLATION BY CONTRACT 'G'. SUBMIT LOUVER COLOR AND CONFIGURATION TO THE ARCHITECT/ENGINEER FOR APPROVAL.
2. INSTALL SMOKE DETECTORS IN DUCTWORK FOR AIR HANDLING UNITS RATED AT 2,000 CFM OR GREATER. SMOKE DETECTOR SUPPLY AND WIRING IS PART OF CONTRACT 'E'.
3. INSTALL SMOKE DETECTORS IN DUCTWORK WHERE A SMOKE DAMPER OR FIRE SMOKE DAMPER IS INSTALLED. SMOKE DETECTOR SUPPLY AND WIRING IS PART OF CONTRACT 'E'.
4. FURNISH AND INSTALL ALL NECESSARY CONTROL WIRING, CONDUIT, AND ACCESSORIES AS REQUIRED TO PROVIDE FULLY FUNCTIONING SYSTEMS AND SEQUENCES OF OPERATION.
5. FURNISH ALL SLEEVES FOR PIPE AND CONDUIT FLOOR, WALL, PARTITION, AND ROOF PENETRATIONS FOR INSTALLATION BY CONTRACT 'G'.
6. FURNISH ALL CURBS FOR ALL ROOF MOUNTED EQUIPMENT AND DUCT PENETRATIONS FOR INSTALLATION BY CONTRACT 'G'.
7. REMOVE CHASE ENCLOSURE COVER WHEN PERFORMING WORK IN ANY CHASE, AND REINSTALL THE CHASE ENCLOSURE COVER WHEN WORK IS COMPLETE.
8. PERFORM ALL CUTTING AND ROUGH PATCHING AS REQUIRED IN THE EXECUTION OF THE WORK. FINISH PATCHING AND FLASHING IS PART OF CONTRACT 'G'.

LEGENDS/ABBREVIATIONS NOTES

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

EXISTING SYSTEM PRE-MODIFICATION/DEMOLITION TESTING:

1. OBTAIN THE SERVICES OF A TESTING AND BALANCING COMPANY TO PERFORM OPERATIONAL TESTS PRIOR TO THE [MODIFICATION / DEMOLITION] OF THE EXISTING AIR SYSTEM(S). SUBMIT REPORT TO ENGINEER FOR REVIEW/RECORD PURPOSES WITH FINDINGS INCLUDING, BUT NOT LIMITED TO, EXISTING FAN CURVES, PRESSURE READINGS, AIRFLOW MEASUREMENTS, ENTERING AIR TEMPERATURE, LEAVING AIR TEMPERATURE, EQUIPMENT/MOTOR NAMEPLATE DATA, ETC.
2. OBTAIN THE SERVICES OF A TESTING AND BALANCING COMPANY TO PERFORM OPERATIONAL TESTS PRIOR TO THE [MODIFICATION / DEMOLITION] OF THE EXISTING HYDRONIC SYSTEM(S). SUBMIT REPORT TO ENGINEER FOR REVIEW/RECORD PURPOSES WITH FINDINGS INCLUDING, BUT NOT LIMITED TO, EXISTING PUMP CURVES, PRESSURE READINGS, HYDRONIC FLOW MEASUREMENTS, ENTERING WATER TEMPERATURE, LEAVING WATER TEMPERATURE, EQUIPMENT/MOTOR NAMEPLATE DATA, ETC.
3. VERIFY EXISTING EQUIPMENT CALLED TO BE REPLACED 'IN-KIND' IS OPERATIONAL (HAS POWER AND RESPONDS TO EXISTING CONTROLS) PRIOR TO PERFORMING ANY DISCONNECTIONS OR REMOVALS. REPORT ANY DEFICIENCIES IN EXISTING SERVICES OR CONTROLS EXPECTED TO BE RE-USED FOR THE 'IN-KIND' REPLACEMENT TO ENGINEER IN WRITING PRIOR TO REMOVALS. CONTRACTOR IS RESPONSIBLE TO CORRECT ANY DEFICIENCIES NOT REPORTED PRIOR TO DEMOLITION TO PROVIDE A FULLY OPERATIONAL EQUIPMENT REPLACEMENT.

SYSTEM COMMISSIONING NOTES (NYS):

1. COMMISSION ALL NEW BUILDING MECHANICAL SYSTEMS IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2020 NEW YORK STATE (NYS) ENERGY CONSERVATION CONSTRUCTION CODE (ECCC) SECTION C408. COMMISSIONING SHALL BE PERFORMED BY AN APPROVED THIRD-PARTY COMMISSIONING AGENCY HIRED BY THE [OWNER / ASSIGNED CONSTRUCTION MANAGER / CONTRACTOR]. REFER TO SPECIFICATION SECTIONS 019113 - GENERAL COMMISSIONING REQUIREMENTS AND 230800 - COMMISSIONING OF MECHANICAL SYSTEMS FOR MORE INFORMATION.
2. PROVIDE DRAWINGS, OPERATION & MAINTENANCE (O&M) MANUALS, AND SYSTEM BALANCING REPORTS TO BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY OR LETTER OF COMPLETION IN ACCORDANCE WITH THE 2020 NYSECCC SECTION C408.2.5.
3. COMMISSIONING AGENT SHALL PROVIDE FINAL COMMISSIONING REPORT TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 90 DAYS OF THE RECEIPT OF THE CERTIFICATE OF OCCUPANCY OR LETTER OF COMPLETION IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2020 NYSECCC SECTION C408.2.5.4.

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CONSULTANTS:

MARK	DATE	DESCRIPTION

STATE OF NEW YORK · PAUL DOUGLAS FOERTH · 096422 · LICENSED PROFESSIONAL ENGINEER

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EXP. DATE

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WPSD2401	MAY 2025	AS SHOWN

CLIENT

White Plains City School District

Renovations at Rochambeau Alternate High School

228 Fisher Avenue
White Plains, NY 10606

SED #66-22-00-01-0-015-020

CONTRACT

CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS

FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL LEGENDS, SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES

DRAWING No.

M000.00

X:\wpsd\white plains central school district - 10091\wpsd2401 - rochambeau alt hs renovations\02-Dwn-cad\Con-Docs\14 mechanical\M000.00 Mechanical General Notes and Legends.dwg Last Modified: Mar 17, 2025 - 4:20pm Plotted on: May 28, 2025 - 9:54am By: dsoppelman

GENERAL DEMOLITION NOTES

1. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND NEW YORK STATE CODES AND REGULATIONS.
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KEYED NOTES

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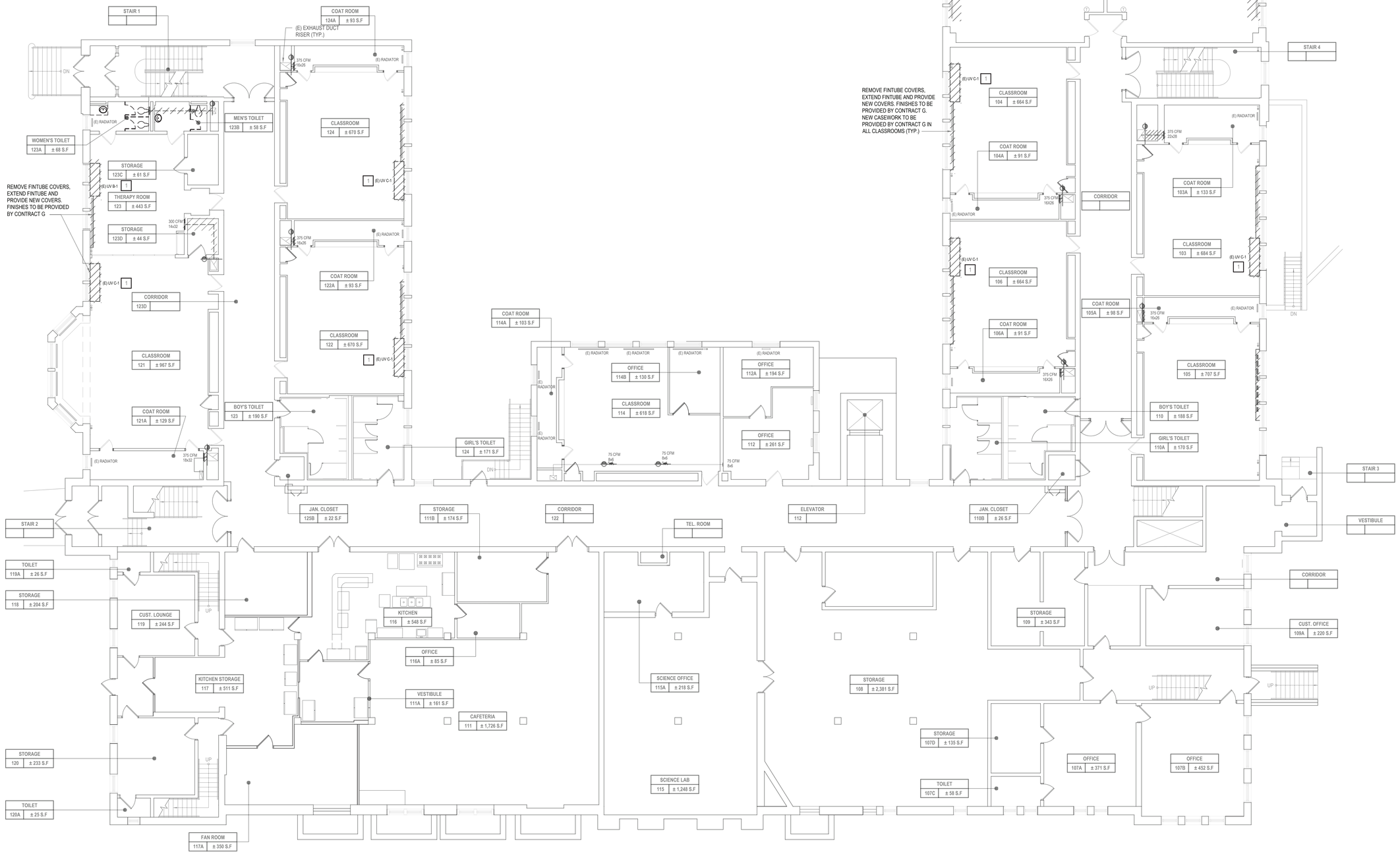

1 **Mechanical Ground Floor Demo Plan**
SCALE: 1/8"=1'-0"

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White Plains City School District

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SED #66-22-00-01-0-015-020

CONTRACT
CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS
FINAL BID DOCUMENT

SHEET TITLE
MECHANICAL DEMO PLAN - GROUND FLOOR

DRAWING No.
MD110.00

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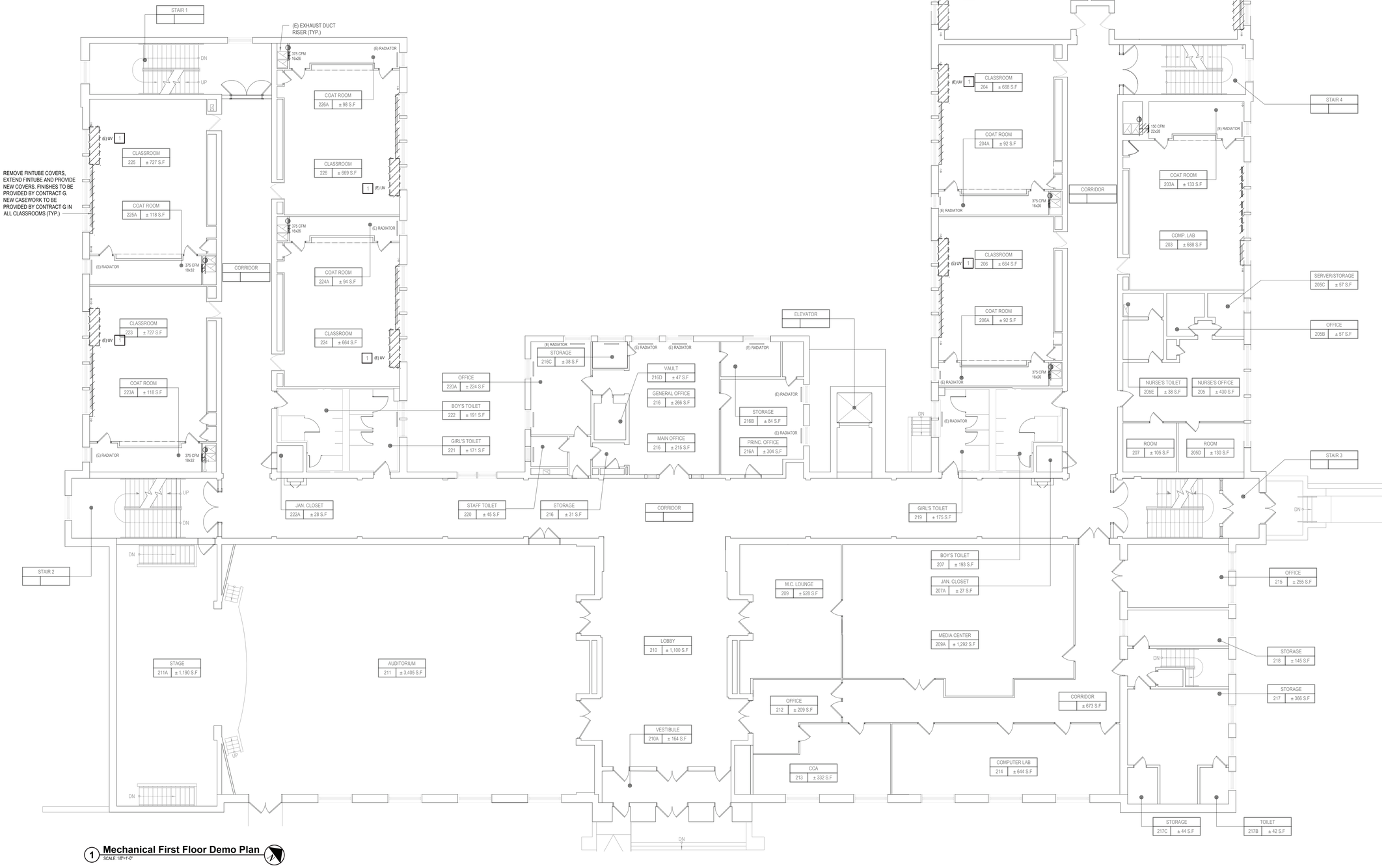

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SED #66-22-00-01-0-015-020

CONTRACT
CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS
FINAL BID DOCUMENT

SHEET TITLE
MECHANICAL DEMO PLAN - FIRST FLOOR

DRAWING No.
MD120.00

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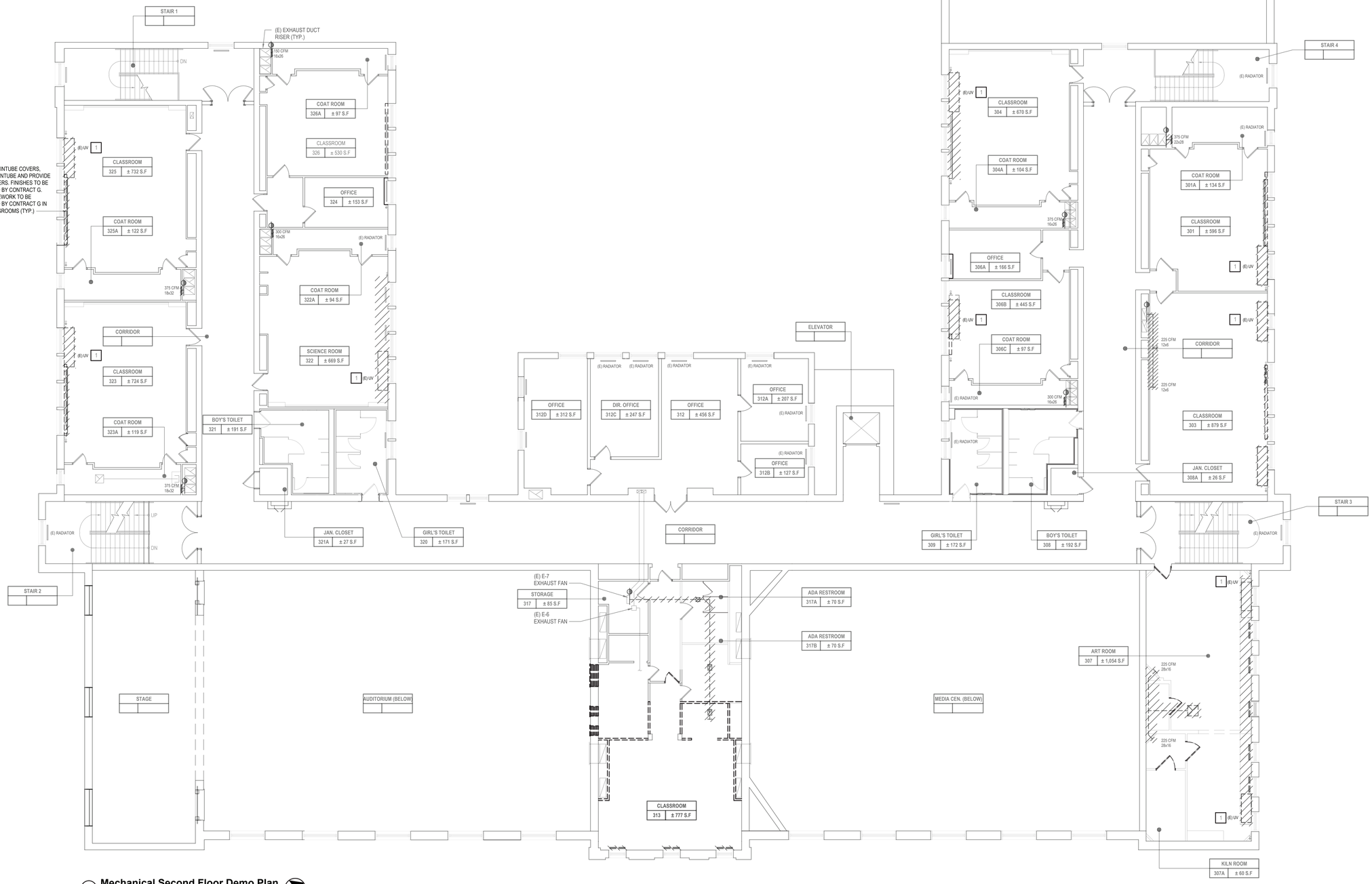
KEYED NOTES

1. REMOVE EXISTING UNIT VENTILATOR. REMOVE THERMOSTATS, CONTROLS WITH CONTROL WIRING, AND PNEUMATICS. CUT AND CAP PIPING. INSTALL WEATHERTIGHT INSULATED BLANKOFF LOUVER PANEL FOR EXISTING OUTDOOR AIR LOUVER TO REMAIN. TYPICAL AT ALL LOCATIONS WHERE EXISTING EXTERIOR LOUVER IS TO REMAIN IN PLACE.
2. DISCONNECT EXISTING EXHAUST FAN FROM EXISTING EXHAUST RISER. EXISTING EXHAUST RISER AND EXISTING CURB TO REMAIN. TEMPORARILY COVER/SEAL ASSOCIATED ROOF OPENING SO AS TO PREVENT LEAKS TO THE INDOORS AND EXPOSURE TO THE ELEMENTS. DISCONNECT EXISTING EXHAUST FAN FROM EXISTING CONTROLS AND ELECTRICAL SYSTEM. CONTRACTOR SHALL REMOVE/REPLACE EXISTING FAN CONTROLS RELAYS, AS NECESSARY, FOR PROPER INTEGRATION AND OPERATION WITH EXISTING SYSTEM.



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

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White Plains, NY 10605
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NY Engineering Certificate of Authorization No. 0018178

CONSULTANTS:

MARK	DATE	DESCRIPTION

STATE OF NEW YORK · PAUL DOUGLAS FOERTH · 096422 · LICENSED PROFESSIONAL ENGINEER

PAUL D. FOERTH, P.E.
NY PROFESSIONAL ENGINEER Lic. No. 096422

03/29/2026 EXP. DATE

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PROJECT No.:	DATE:	SCALE:
WPSD2401	MAY 2025	AS SHOWN

CLIENT
White Plains City School District

Renovations at Rochambeau Alternate High School

228 Fisher Avenue
White Plains, NY 10606

SED #66-22-00-01-0-015-020

CONTRACT
CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS
FINAL BID DOCUMENT

SHEET TITLE
MECHANICAL DEMO PLAN - SECOND FLOOR

DRAWING No.
MD130.00

GENERAL DEMOLITION NOTES

1. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND NEW YORK STATE CODES AND REGULATIONS.
2. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE EXISTING CONDITIONS AND/OR FINISHES DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING DEEMED NECESSARY BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR SHALL TAKE CARE AS TO ADEQUATELY PROTECT ALL ADJOINING AREAS INCLUDING HVAC OPENINGS FROM DUST AND DEBRIS DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO WIPE DOWN AND CLEAN ALL ROOMS UPON COMPLETION OF THE PROJECT.
4. CONTRACTORS SITE ACCESS AND BUILDING ENTRY POINT SHALL BE AS DIRECTED BY OWNER. THE CONTRACTOR SHALL ADEQUATELY PROTECT THE WALLS, FLOOR, AND FINISHES WITHIN STAIRWELLS AND ALL OTHER AREAS USED FOR ACCESS TO CONTRACT AREAS FROM DAMAGE DURING THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE EXISTING CONDITIONS AND/OR FINISHES DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING DEEMED NECESSARY BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
6. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT / ENGINEER OF ANY DEFECTIVE OR NON-WORKING EQUIPMENT PRIOR TO WORK STARTING AND FOLLOWING INSTALLATION OF NEW FINISHES VERIFY ALL ITEMS ARE IN PROPER WORKING ORDER UPON COMPLETION.
7. THE CONTRACTOR SHALL REVIEW SCOPE OF DEMOLITION WORK WITH OWNER AND COORDINATE WHICH ITEMS WILL BE REMOVED CAREFULLY AND RETURNED TO DISTRICT.
8. THE CONTRACTOR SHALL PROVIDE ALL SCAFFOLDING / SHORING / TEMPORARY MEASURES TO PERFORM ALL WORK IN A SAFE MANOR. ALL SCAFFOLDING / SHORING / TEMPORARY SUPPORTS ARE TO BE DESIGNED, STAMPED AND SIGNED BY A "NYS LICENSED PROFESSIONAL ENGINEER" AND SUBMITTED TO THE ARCHITECT FOR THEIR REVIEW AND APPROVAL. ALL COSTS ARE TO BE INCLUDED WITHIN THE BASE BID.
9. REMOVE AND DISPOSE OF PORTION OF EXISTING WALLS, CEILINGS OR ROOF FOR DUCTWORK PENETRATIONS. COORDINATE EXACT SIZE AND LOCATION WITH WORK SHOWN ON PLAN AND FIELD CONDITION.
10. ALL EXISTING EQUIPMENT NOT TAGGED FOR REMOVAL IS TO REMAIN.
11. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE EXISTING ROOF WARRANTY.

KEYED MECHANICAL NOTES

1. DISCONNECT EXISTING EXHAUST FAN FROM EXISTING EXHAUST RISER. EXISTING EXHAUST RISER AND EXISTING CURB TO REMAIN. TEMPORARILY COVER/SEAL ASSOCIATED ROOF OPENING SO AS TO PREVENT LEAKS TO THE INDOORS AND EXPOSURE TO THE ELEMENTS. DISCONNECT EXISTING EXHAUST FAN FROM EXISTING CONTROLS AND ELECTRICAL SYSTEM. CONTRACTOR SHALL REMOVE/REPLACE EXISTING FAN CONTROLS RELAYS, AS NECESSARY, FOR PROPER INTEGRATION AND OPERATION WITH EXISTING SYSTEM.

1 Mechanical Roof Demo Plan
SCALE: 1/8"=1'-0"

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CLIENT
White Plains City School District

Renovations at Rochambeau Alternate High School

228 Fisher Avenue
White Plains, NY 10606

SED #66-22-00-01-0-015-020

CONTRACT
CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS
FINAL BID DOCUMENT

SHEET TITLE
MECHANICAL DEMO PLAN - ROOF

DRAWING No.
MD140.00

GENERAL MECHANICAL NOTES

1. SUBMIT EQUIPMENT SHOP DRAWINGS TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO PURCHASE.
2. COORDINATE ALL INDOOR AIR TERMINAL LOCATIONS WITH CEILING GRID AND EXISTING LIGHTING FIXTURES.
3. COORDINATE ALL WALL MOUNTED THERMOSTAT LOCATIONS WITH OWNER. ALL TEMPERATURE SENSORS AND THERMOSTATS SHALL BE MOUNTED ON INTERIOR WALLS.
4. ALL DUCTING SHALL BE INSTALLED PER SPECIFICATION. REFER TO ADDITIONAL DETAILS ON DRAWINGS M500.
5. CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS/ SPECIFICATIONS SUCH THAT ALL REQUIRED CLEARANCES FOR DOOR SWINGS AND MAINTENANCE ARE ADHERED TO.
6. VIBRATION ISOLATION HANGERS SHALL BE USED FOR ALL DUCTWORK.
7. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE EXISTING CONDITIONS AND/OR FINISHES DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING DEEMED NECESSARY BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
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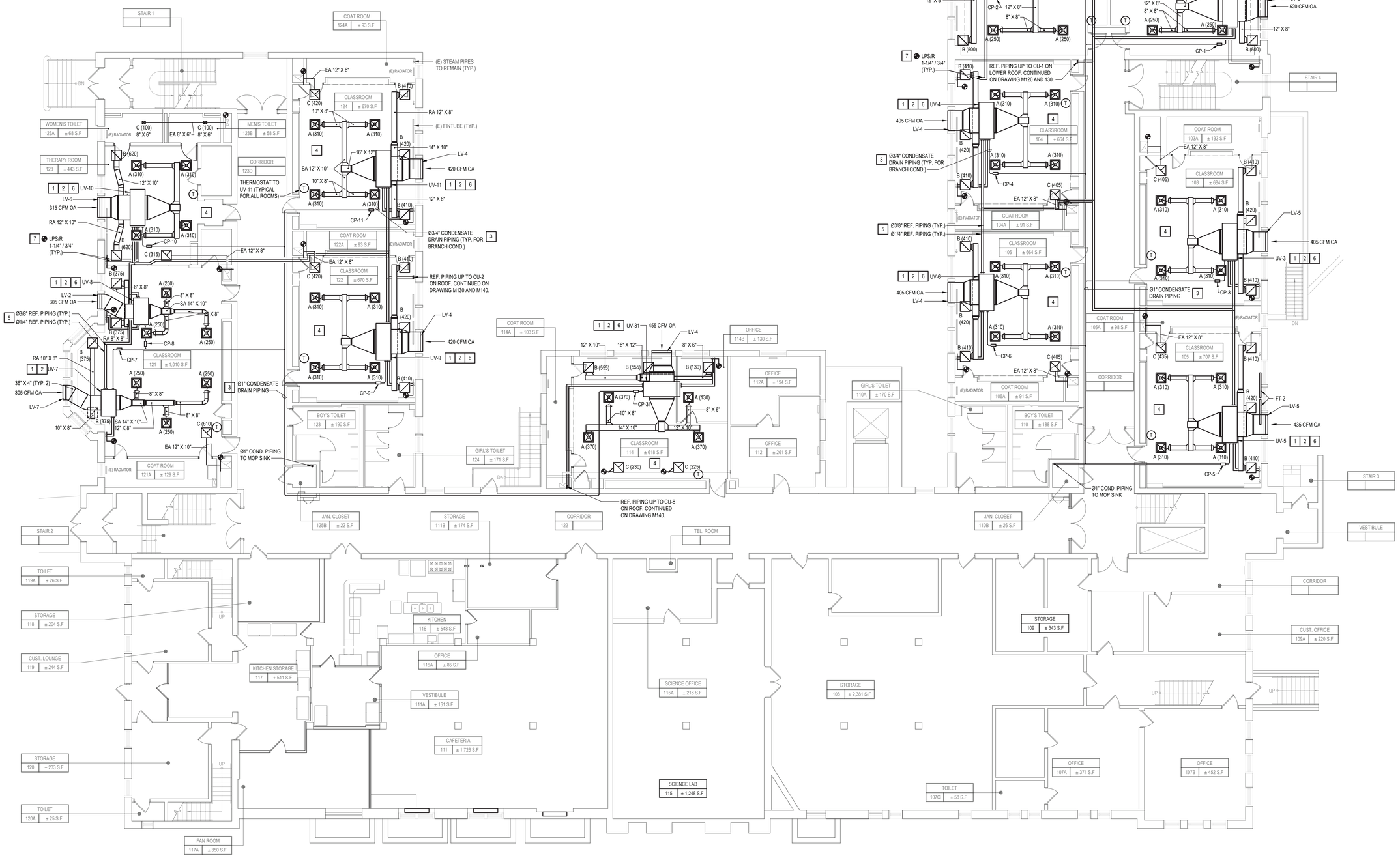
KEYED NOTES

1. PROVIDE NEW LOUVER FOR UNIT VENTILATOR AS PER MANUFACTURER.
2. Ø3/4" CONDENSATE DRAIN BRANCH TO Ø1" MAIN. CONDENSATE TO TERMINATE IN JANITOR CLOSET. RECONNECT NEW UNIT VENTILATOR STEAM COIL AND STEAM CONDENSATE TO THE EXISTING STEAM PIPING SYSTEM. REFER TO THE UNIT VENTILATOR STEAM COIL PIPING DIAGRAM ON THE M500 SERIES SHEETS FOR A PIPING CONNECTION DETAIL.
3. CONDENSATE DRAIN PIPING SHALL BE PITCHED DOWN 1/8" PER 12' TO DRAIN. REFER TO MANUFACTURER'S RECOMMENDATION FOR ADDITIONAL INSTALLATION DETAILS.
4. REFER TO CLASSROOM 124 AS A TEMPLATE FOR DUCTWORK SIZING.
5. REFRIGERANT PIPING SIZE TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PER MANUFACTURER'S REQUIREMENTS BASED ON EQUIPMENT SERVED, LOCATION, DISTANCE AND DIRECTION CHANGES IN PIPING.
6. CONTRACTOR TO CONFIRM UV LOCATION AND DUCTWORK ROUTING TO NEW CEILING PLENUM SPACE PRIOR TO INSTALLATION.
7. LOW PRESSURE STEAM RETURN PIPING SHALL BE PITCHED DOWN 1/8" PER 12" TO DRAIN.



1 **Mechanical Ground Floor Plan**
SCALE: 1/8"=1'-0"

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CLIENT
White Plains City School District

Renovations at Rochambeau Alternate High School

228 Fisher Avenue
White Plains, NY 10606

SED #66-22-00-01-0-015-020

CONTRACT
CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS
FINAL BID DOCUMENT

SHEET TITLE
MECHANICAL PLAN - GROUND FLOOR

DRAWING No.
M110.00

X:\wpsd_white plains central school district\ - 1009\wpsd2401 - rochambeau all fire renovations\02-bim-cad\Core-Docs\14 mechanical\M110.00 Mechanical Plan - First Floor.dwg Last Modified: May 29, 2025 - 9:38am Plotted on: May 29, 2025 - 9:40am By: mkopperman

GENERAL MECHANICAL NOTES

1. SUBMIT EQUIPMENT SHOP DRAWINGS TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO PURCHASE.
2. COORDINATE ALL INDOOR AIR TERMINAL LOCATIONS WITH CEILING GRID AND EXISTING LIGHTING FIXTURES.
3. COORDINATE ALL WALL MOUNTED THERMOSTAT LOCATIONS WITH OWNER. ALL TEMPERATURE SENSORS AND THERMOSTATS SHALL BE MOUNTED ON INTERIOR WALLS.
4. ALL DUCTING SHALL BE INSTALLED PER SPECIFICATION. REFER TO ADDITIONAL DETAILS ON DRAWINGS M500.
5. CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS/ SPECIFICATIONS SUCH THAT ALL REQUIRED CLEARANCES FOR DOOR SWINGS AND MAINTENANCE ARE ADHERED TO.
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KEYED NOTES

1. PROVIDE NEW LOUVER FOR UNIT VENTILATOR AS PER MANUFACTURER.
2. Ø3/4" CONDENSATE DRAIN BRANCH TO Ø1" MAIN. CONDENSATE TO TERMINATE IN JANITOR CLOSET. RECONNECT NEW UNIT VENTILATOR STEAM COIL AND STEAM CONDENSATE TO THE EXISTING STEAM PIPING SYSTEM. REFER TO THE UNIT VENTILATOR STEAM COIL PIPING DIAGRAM ON THE M500 SERIES SHEETS FOR A PIPING CONNECTION DETAIL.
3. CONDENSATE DRAIN PIPING SHALL BE PITCHED DOWN 1/8" PER 12" TO DRAIN. REFER TO MANUFACTURER'S RECOMMENDATION FOR ADDITIONAL INSTALLATION DETAILS.
4. REFER TO CLASSROOM 226 AS A TEMPLATE FOR DUCTWORK SIZING.
5. REFRIGERANT PIPING SIZE TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PER MANUFACTURER'S REQUIREMENTS BASED ON EQUIPMENT SERVED, LOCATION, DISTANCE AND DIRECTION CHANGES IN PIPING.
6. LOW PRESSURE STEAM RETURN PIPING SHALL BE PITCHED DOWN 1/8" PER 12" TO DRAIN.
7. FOR EXTERIOR BRICK PENETRATIONS/OUTLETS, CONTRACTOR SHALL USE BRICK VENTS TO MATCH EXTERIOR. CONTRACTOR SHALL COORDINATE WITH SCHOOL REGARDING AESTHETICS. ERV OUTDOOR SUPPLY AIR INTAKE AND EXHAUST AIR EXTERIOR PENETRATIONS SHALL BE A MINIMUM OF TEN (10) FEET APART. EXHAUST TERMINAL SHALL BE A MINIMUM OF 36" FROM OPERABLE WINDOWS IN ALL DIRECTIONS. INSTALL A NON-MOTORIZED BACKDRAFT DAMPER, GREENHECK MODEL BD-320. BACKDRAFT DAMPER SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 40 CFM/FT^2. THE AIR LEAKAGE RATE SHALL BE DETERMINED AT 1.0 INCH WATER GAUGE WHEN TESTED IN ACCORDANCE WITH AMCA 500D.
8. ERV UNITS:

   ALL DUCTING ASSOCIATED WITH ERV UNITS SHALL BE HIDDEN ABOVE DROP CEILING WHERE APPLICABLE. IN AREAS WHERE ERV UNIT DOES NOT FIT WITHIN CEILING PLENUM SPACE, UNIT SHALL BE PLACED IN AN INCONSPICUOUS SPACE SUCH THAT THE UNIT DOES NOT BLOCK LINE OF SIGHT OR DETRACT FROM INTENDED ROOM USE. ERV UNITS SHALL BE PLACED SUCH THAT NO CLASHES WITH EXISTING EQUIPMENT, LIGHTING, DUCTS, DIFFUSERS, ETC. EXIST. ERV UNITS MUST BE INSTALLED SUCH THAT ALL MANUFACTURER REQUIRED CLEARANCES FOR ACCESS/ MAINTENANCE/ FILTER CHANGES ARE MAINTAINED. CONTRACTOR SHALL COORDINATE ERV LOCATIONS WITH SCHOOL AND OBTAIN APPROVAL PRIOR TO INSTALLATION.

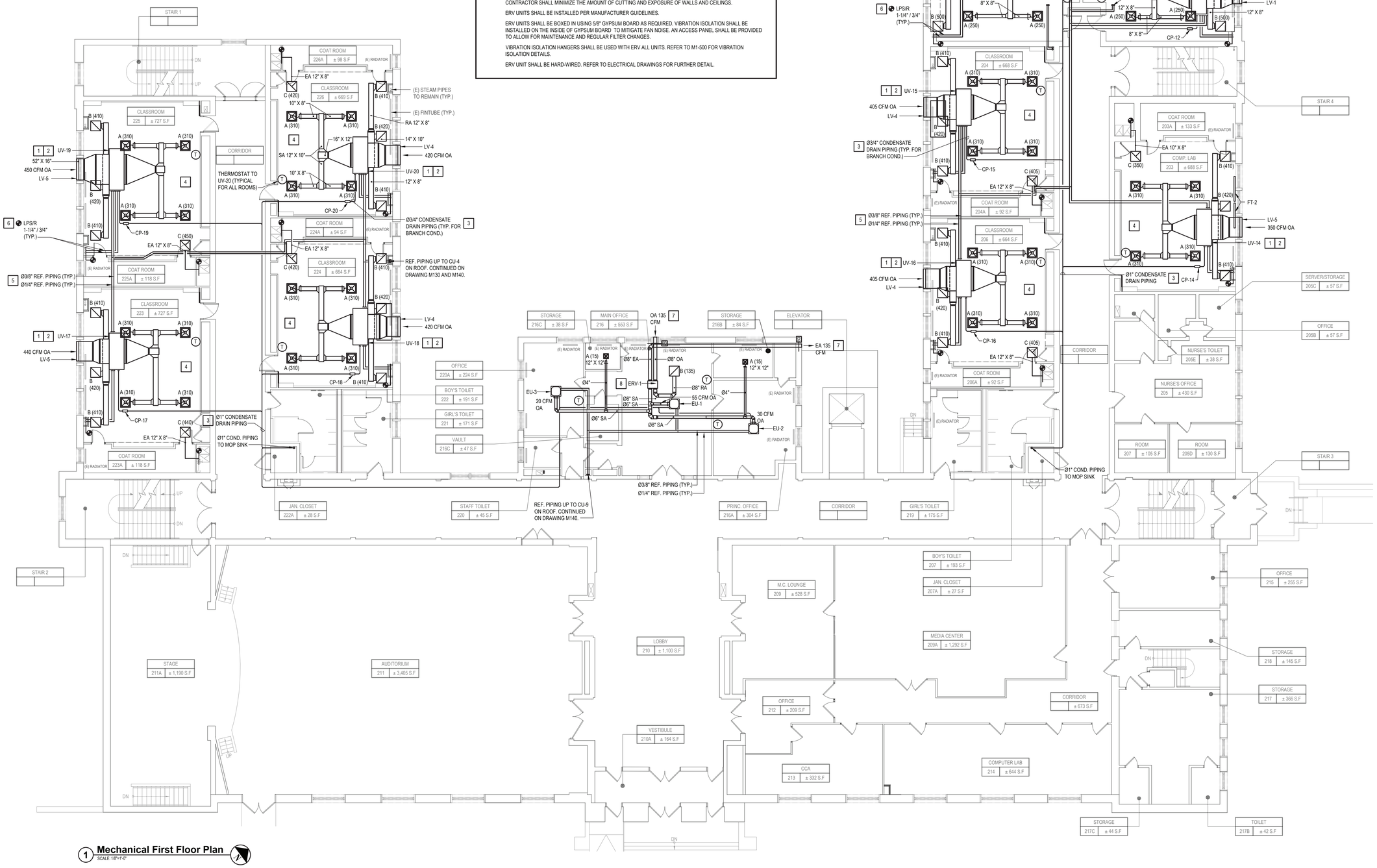
   IN CEILING AREAS CONTAINING GYPSYUM BOARD: PENETRATE THROUGH GYPSUM BOARD CEILING/ROOF STRUCTURE REQUIRED TO INSTALL NEW ERV, ASSOCIATED DUCTING, SUPPLY DIFFUSERS, TRANSFER GRILLES, AND EXHAUST GRILLES (AS REQUIRED). PATCH AND REPAIR CEILING/ROOF STRUCTURE TO MATCH EXISTING. CONTRACTOR SHALL MINIMIZE THE AMOUNT OF CUTTING AND EXPOSURE OF WALLS AND CEILINGS.

   ERV UNITS SHALL BE INSTALLED PER MANUFACTURER GUIDELINES.

   ERV UNITS SHALL BE BOXED IN USING 5/8" GYPSUM BOARD AS REQUIRED. VIBRATION ISOLATION SHALL BE INSTALLED ON THE INSIDE OF GYPSUM BOARD TO MITIGATE FAN NOISE. AN ACCESS PANEL SHALL BE PROVIDED TO ALLOW FOR MAINTENANCE AND REGULAR FILTER CHANGES.

   VIBRATION ISOLATION HANGERS SHALL BE USED WITH ERV ALL UNITS. REFER TO M1-500 FOR VIBRATION ISOLATION DETAILS.

   ERV UNIT SHALL BE HARD-WIRED. REFER TO ELECTRICAL DRAWINGS FOR FURTHER DETAIL.



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

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CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS
FINAL BID DOCUMENT

SHEET TITLE
MECHANICAL PLAN - FIRST FLOOR

DRAWING No.
M120.00

X:\wpsd\white plains central school district - 10091\wpsd2401 - (rochambeau alt hs renovations)\02-bim-cad\Con-Docs\14 mechanical\M120.00 Mechanical Plan - Second Floor.dwg Last Modified: May 28, 2025 - 9:13am Plotted on: May 28, 2025 - 9:40am By: mkopperman

GENERAL MECHANICAL NOTES

1. SUBMIT EQUIPMENT SHOP DRAWINGS TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO PURCHASE.
2. COORDINATE ALL INDOOR AIR TERMINAL LOCATIONS WITH CEILING GRID AND EXISTING LIGHTING FIXTURES.
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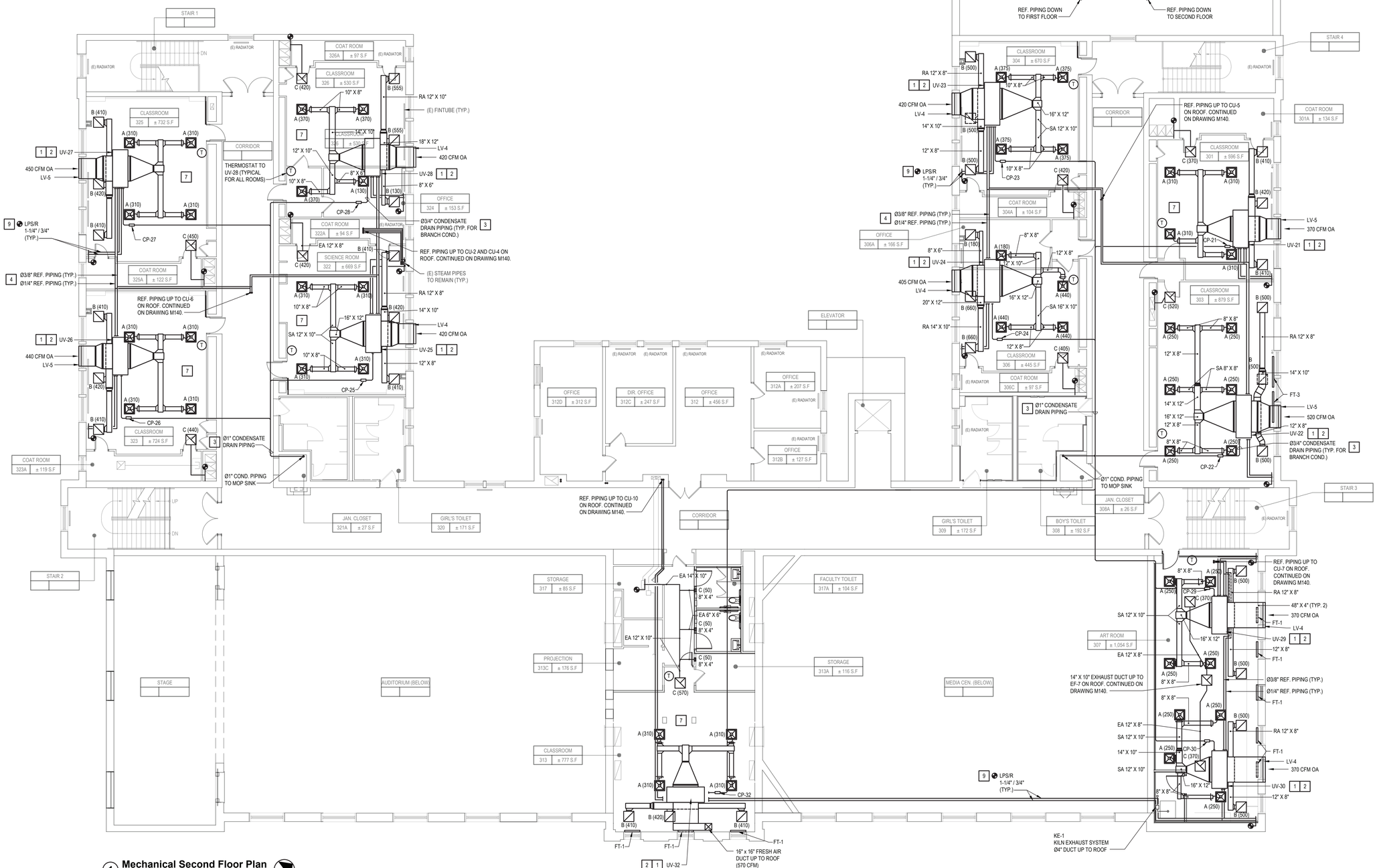
KEYED NOTES

1. PROVIDE NEW LOUVER FOR UNIT VENTILATOR AS PER MANUFACTURER.
2. Ø3/4" CONDENSATE DRAIN BRANCH TO Ø1" MAIN. CONDENSATE TO TERMINATE IN JANITOR CLOSET. RECONNECT NEW UNIT VENTILATOR STEAM COIL AND STEAM CONDENSATE TO THE EXISTING STEAM PIPING SYSTEM. REFER TO THE UNIT VENTILATOR STEAM COIL PIPING DIAGRAM ON THE M500 SERIES SHEETS FOR A PIPING CONNECTION DETAIL.
3. CONDENSATE DRAIN PIPING SHALL BE PITCHED DOWN 1/8" PER 12" TO DRAIN. REFER TO MANUFACTURER'S RECOMMENDATION FOR ADDITIONAL INSTALLATION DETAILS.
4. REFRIGERANT PIPING SIZE TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PER MANUFACTURER'S REQUIREMENTS BASED ON EQUIPMENT SERVED, LOCATION, DISTANCE AND DIRECTION CHANGES IN PIPING. REFER TO M500 SERIES DRAWINGS FOR REFRIGERANT PIPING PITCH POCKET DETAILS.
5. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT CURB/RAIL EXTENSION WITH ELECTRICAL CONTRACTOR FOR DISCONNECT SWITCH TO PROVIDE ALL ELECTRICAL AND MECHANICAL CLEARANCE REQUIREMENTS PRIOR TO PROVIDING AND INSTALLING. REFER TO DETAILS ON M500 SERIES DRAWINGS FOR RAIL INSTALLATION DETAILS.
6. PROVIDE OIL TRAP AS SPECIFIED BY MANUFACTURER BETWEEN DUAL-FRAME CONDENSER MODULES.
7. REFER TO CLASSROOM 322 AS A TEMPLATE FOR DUCTWORK SIZING.
8. CONNECT NEW EXHAUST FAN TO (E) EXHAUST RISER. PROVIDE AND INSTALL CURB CAP AND CURB CAP ADAPTER/REDUCER AS REQUIRED. CONTRACTOR SHALL INTEGRATE/CONNECT NEW EXHAUST FAN WITH EXISTING ELECTRICAL CONNECTIONS AND CONTROLS. ENSURE PROPER EXHAUST FAN OPERATION ACCORDING TO THE EXISTING CONTROLS SEQUENCE.
9. LOW PRESSURE STEAM RETURN PIPING SHALL BE PITCHED DOWN 1/8" PER 12" TO DRAIN.



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

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	M

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NY Architecture & Landscape Architecture: No Certificate Required
NY Engineering Certificate of Authorization No. 0018178

CONSULTANTS:

MARK	DATE	DESCRIPTION

STATE OF NEW YORK · PAUL DOUGLAS FOERTH · 096422 · LICENSED PROFESSIONAL ENGINEER

PAUL D. FOERTH, P.E.
NY PROFESSIONAL ENGINEER Lic. No. 096422

03/29/2026
EXP. DATE

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PROJECT No.:	DATE:	SCALE:
WPSD2401	MAY 2025	AS SHOWN

CLIENT
White Plains City School District

Renovations at Rochambeau Alternate High School

228 Fisher Avenue
White Plains, NY 10606

SED #66-22-00-01-0-015-020

CONTRACT
CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS
FINAL BID DOCUMENT

SHEET TITLE
MECHANICAL PLAN - SECOND FLOOR

DRAWING No.
M130.00

X:\wpsd (white plains central school district - 10991\wpsd 2401 - (rochambeau alt ha renovations)\02-bim-cad\Civil-Dwgs\14 mechanical\M130.00 Mechanical Plan - Third Floor.dwg Last Modified: May 28, 2025 - 9:12am Plotted on May 28, 2025 - 9:45am By mcopperman

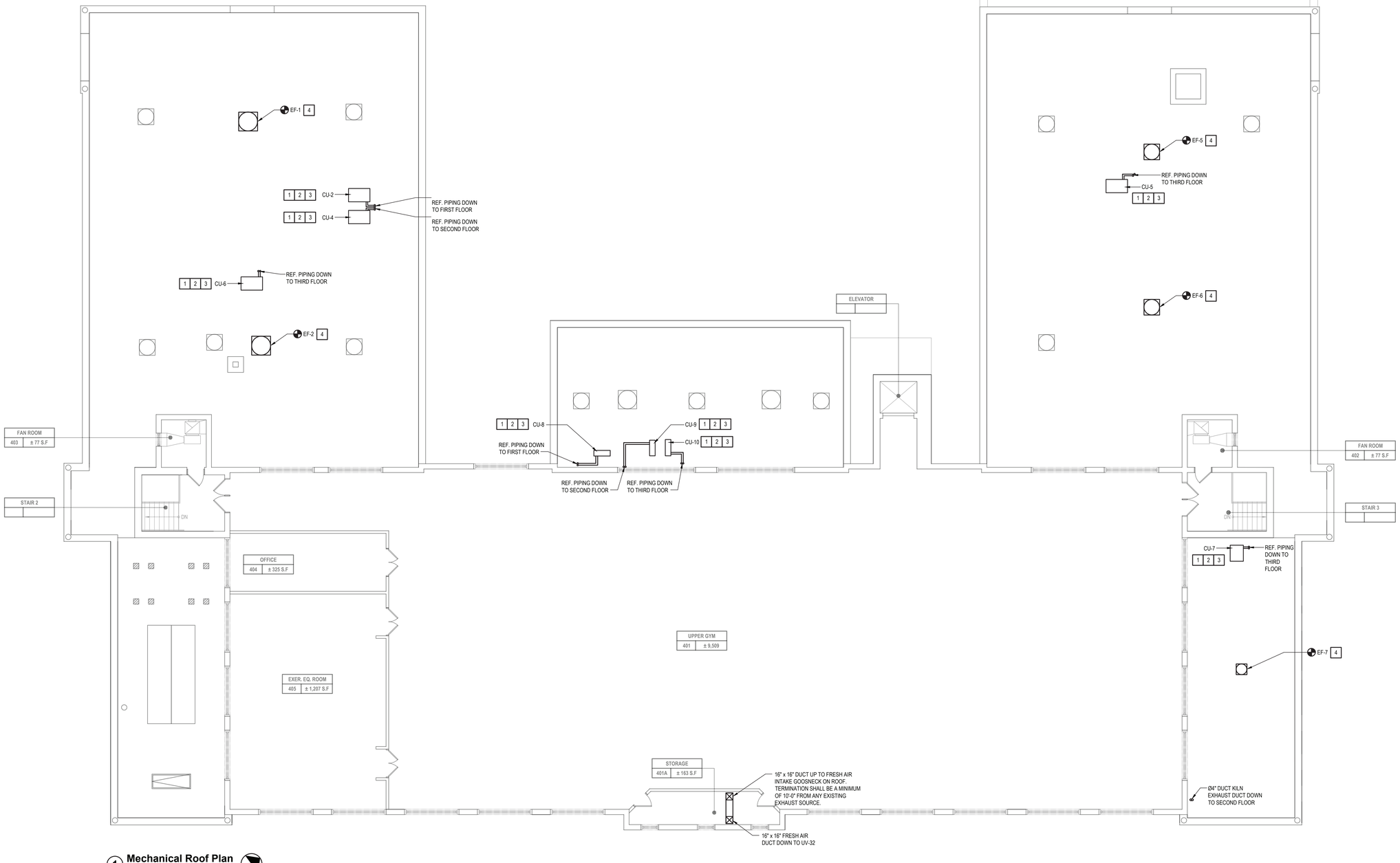
GENERAL MECHANICAL NOTES

1. SUBMIT EQUIPMENT SHOP DRAWINGS TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO PURCHASE.
2. COORDINATE ALL INDOOR AIR TERMINAL LOCATIONS WITH CEILING GRID AND EXISTING LIGHTING FIXTURES.
3. COORDINATE ALL WALL MOUNTED THERMOSTAT LOCATIONS WITH OWNER. ALL TEMPERATURE SENSORS AND THERMOSTATS SHALL BE MOUNTED ON INTERIOR WALLS.
4. ALL DUCTING SHALL BE INSTALLED PER SPECIFICATION. REFER TO ADDITIONAL DETAILS ON DRAWINGS M500.
5. CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS/ SPECIFICATIONS SUCH THAT ALL REQUIRED CLEARANCES FOR DOOR SWINGS AND MAINTENANCE ARE ADHERED TO.
6. VIBRATION ISOLATION HANGERS SHALL BE USED FOR ALL DUCTWORK.
7. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE EXISTING CONDITIONS AND/OR FINISHES DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING DEEMED NECESSARY BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
8. THE CONTRACTOR SHALL TAKE CARE AS TO ADEQUATELY PROTECT ALL ADJOINING AREAS INCLUDING HVAC OPENINGS FROM DUST AND DEBRIS DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO WIPE DOWN AND CLEAN ALL ROOMS UPON COMPLETION OF THE PROJECT.
9. CONTRACTORS SITE ACCESS AND BUILDING ENTRY POINT SHALL BE AS DIRECTED BY OWNER. THE CONTRACTOR SHALL ADEQUATELY PROTECT THE WALLS, FLOOR, AND FINISHES WITHIN STAIRWELLS AND ALL OTHER AREAS USED FOR ACCESS TO CONTRACT AREAS FROM DAMAGE DURING THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE EXISTING CONDITIONS AND/OR FINISHES DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING DEEMED NECESSARY BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
11. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT / ENGINEER OF ANY DEFECTIVE OR NON-WORKING EQUIPMENT PRIOR TO WORK STARTING AND FOLLOWING INSTALLATION OF NEW FINISHES VERIFY ALL ITEMS ARE IN PROPER WORKING ORDER UPON COMPLETION.
12. THE CONTRACTOR SHALL PROVIDE ALL SCAFFOLDING / SHORING / TEMPORARY MEASURES TO PERFORM ALL WORK IN A SAFE MANOR. ALL SCAFFOLDING / SHORING / TEMPORARY SUPPORTS ARE TO BE DESIGNED, STAMPED AND SIGNED BY A "NYS LICENSED PROFESSIONAL ENGINEER" AND SUBMITTED TO THE ARCHITECT FOR THEIR REVIEW AND APPROVAL. ALL COSTS ARE TO BE INCLUDED WITHIN THE BASE BID.

KEYED NOTES

1. REFRIGERANT PIPING SIZE TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PER MANUFACTURER'S REQUIREMENTS BASED ON EQUIPMENT SERVED, LOCATION, DISTANCE AND DIRECTION CHANGES IN PIPING. REFER TO M500 SERIES DRAWINGS FOR REFRIGERANT PIPING PITCH POCKET DETAILS.
2. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT CURB/RAIL EXTENSION WITH ELECTRICAL CONTRACTOR FOR DISCONNECT SWITCH TO PROVIDE ALL ELECTRICAL AND MECHANICAL CLEARANCE REQUIREMENTS PRIOR TO PROVIDING AND INSTALLING. REFER TO DETAILS ON M500 SERIES DRAWINGS FOR RAIL INSTALLATION DETAILS.
3. PROVIDE OIL TRAP AS SPECIFIED BY MANUFACTURER BETWEEN DUAL-FRAME CONDENSER MODULES.
4. CONNECT NEW EXHAUST FAN TO (E) EXHAUST RISER. PROVIDE AND INSTALL CURB CAP AND CURB CAP ADAPTER/REDUCER AS REQUIRED. CONTRACTOR SHALL INTEGRATE/CONNECT NEW EXHAUST FAN WITH EXISTING ELECTRICAL CONNECTIONS AND CONTROLS. ENSURE PROPER EXHAUST FAN OPERATION ACCORDING TO THE EXISTING CONTROLS SEQUENCE.

PRE-BALANCING REPORT SHALL BE PERFORMED PRIOR TO DEMOLITION. ACTUAL FAN SIZING IS SUBJECT TO CHANGE BASED ON RESULTS OF THE REQUIRED PRE-BALANCE REPORT. CONTRACTOR SHALL WAIT FOR ENGINEER REVIEW OF PRE-BALANCING REPORT PRIOR TO EXHAUST FAN PURCHASE.



1 **Mechanical Roof Plan**
SCALE: 1/8"=1'-0"

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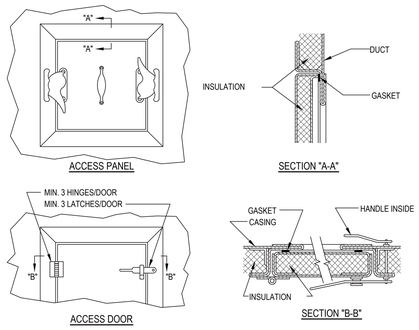
SHEET TITLE
MECHANICAL PLAN - ROOF

DRAWING No.
M140.00

X:\wpsd (white plains central school district) - 10091\wpsd 2401 - (rochambeau alt fire renovations)\02-bim-cad\Con Docs\14 mechanical\M140.00 Mechanical Plan - Roof.dwg Last Modified: May 28, 2025 - 9:14am Plotted on May 28, 2025 - 9:14am By mkoppelman

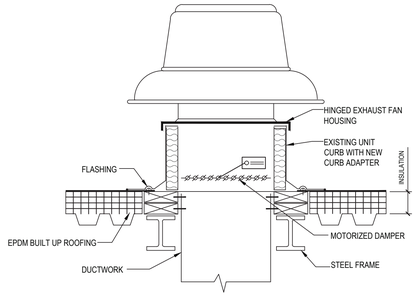


NOTES:

1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
3. PROVIDE ACCESS DOORS ON AIR HANDLING UNITS AND DUCTWORK INSTALLED IN EQUIPMENT ROOMS. PROVIDE ACCESS PANELS ON ALL EQUIPMENT AND DUCTWORK INSTALLED ABOVE FINISHED CEILINGS WHERE SPACE LIMITATIONS DO NOT ALLOW HINGED DOORS TO OPEN.

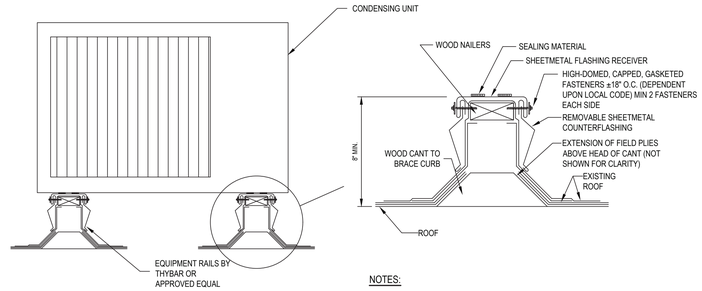
1 Access Door & Panel Details

SCALE:NTS



2 Roof Exhaust Fan & Curb

SCALE:NTS (DETAIL #)

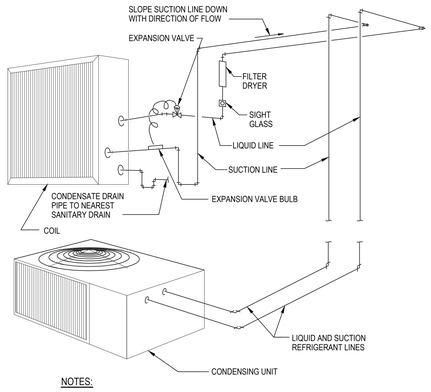


NOTES:

1. EQUIPMENT RAILS SHALL BE FLASHED INTO EXISTING ROOF.
2. EQUIPMENT BEING MOUNTED ON ROOF RAILS SHALL BE BOLTED TO RAILS.

3 Condensing Unit Curb Detail

SCALE:NTS (DETAIL #)

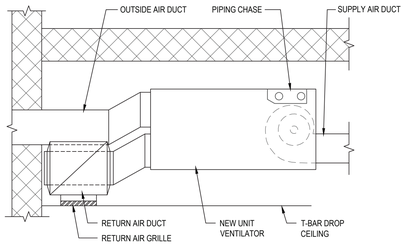


NOTES:

1. CONFORM TO MANUFACURER'S RECOMMENDATIONS FOR PIPE SIZING AND INSTALATION.
2. SINGLE CIRCUIT SHOWN, MULTIPLE CIRCUIT INSTALLATIONS SIMILAR.

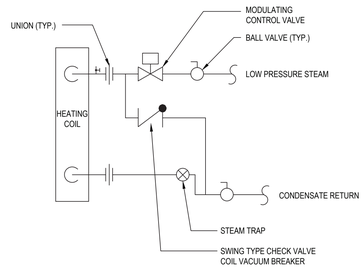
4 Refrigerant Piping Detail

SCALE:NTS (DETAIL #)



5 Horizontal Unit Ventilator Detail

SCALE:NTS

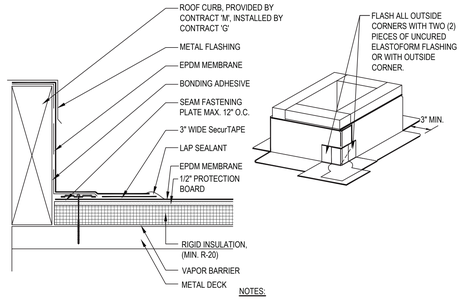


NOTES:

1. ALL COMPONENTS SHALL BE ENCLOSED WITHIN UNIT VENTILATOR CABINET.

6 Unit Ventilator Steam Coil Piping Diagram - Modulating Control Valve

SCALE:NTS (DETAIL #)

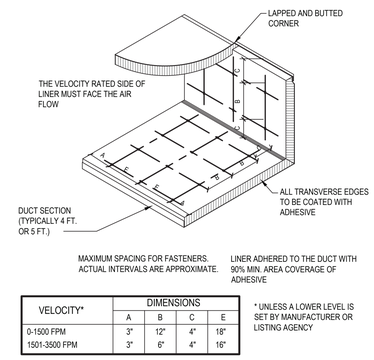


NOTES:

1. IF VERTICAL SPLICE IS NOT LOCATED AT CORNER, 6" WIDE UNCURED ELASTOFORM FLASHING OR PRESSURE-SENSITIVE FLASHING MUST BE CENTERED OVER FIELD SPLICE AT ANGLE CHANGE.
2. FASTENING PLATES MAY BE INSTALLED VERTICALLY.
3. APPLY PRIMER PRIOR TO INSTALLING SecurTAPE.
4. LAP SEALANT IS REQUIRED ON ALL FLASHING EDGES.

7 Roof Curb Detail

SCALE:NTS (DETAIL #)

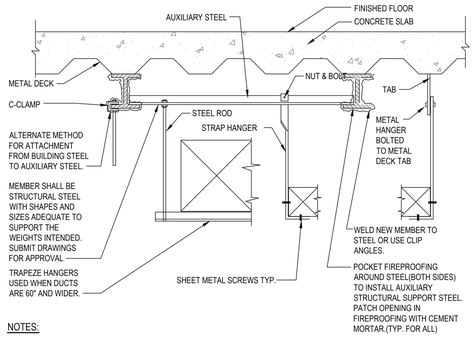


VELOCITY*	DIMENSIONS			
	A	B	C	E
0-1500 FPM	3"	12"	4"	18"
1501-3500 FPM	3"	6"	4"	16"

* UNLESS A LOWER LEVEL IS SET BY MANUFACTURER OR LISTING AGENCY

8 Acoustical Liner Fastening Detail

SCALE:NTS

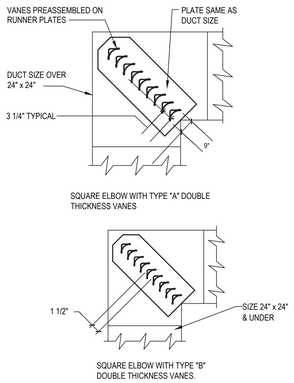


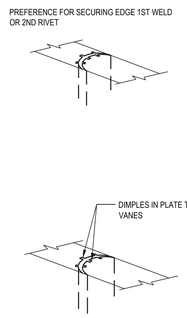
NOTES:

1. DUCTS SHALL NOT BE HUNG FROM OR SUPPORTED BY HUNG CEILING.
2. FOR DUCTS NOT EXCEEDING 2 SQ. FT. IN CROSS- SECTIONAL AREA, HANGERS SHALL BE OF METAL NOT LESS THAN 1/16".
3. FOR DUCTS LARGER THAN 2 SQ. FT. IN CROSS- SECTIONAL AREA, HANGERS SHALL BE OF METAL NOT LESS THAN 1" x 1/8".
4. FOR ALL DUCTS, HANGERS SHALL BE TURNED UNDER AND FASTENED TO THE BOTTOM OF DUCTS AS SHOWN ABOVE.
5. WHERE CROSS-SECTIONAL AREA OF DUCT EXCEEDS 8 SQ. FT., HANGERS SHALL BE SPACED NOT MORE THAN 4 FT. ON CENTERS.

9 Duct Support Attachment to I-Beam

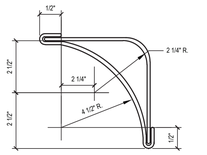
SCALE:NTS





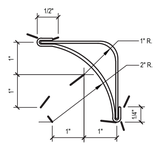
NOTE:

USE GALVANIZED STEEL FOR VANES IN EITHER STEEL OR ALUMINUM DUCTWORK.



TYPE "A"

TYPE "A" DOUBLE THICKNESS VANES FOR USE IN DUCTS GREATER THAN 24" x 24" IN SIZE. USE SAME GAUGE GALVANIZED IRON AS DUCT NOT TO EXCEED 20 GAUGE.



TYPE "B"

DOUBLE THICKNESS VANES FOR USE IN DUCTS 24" x 24" AND UNDER

10 Turning Vanes Detail

SCALE:NTS

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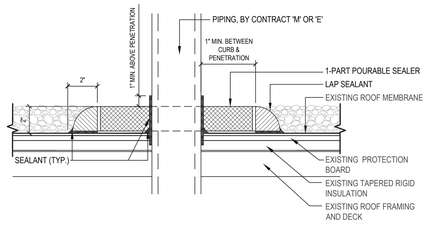
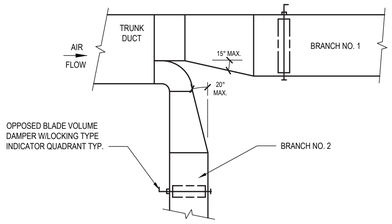


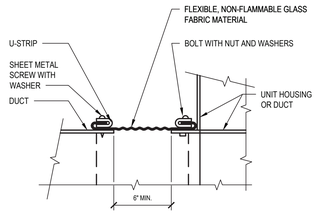
11 Pitch Pocket Detail
SCALE: NTS (DETAIL #)



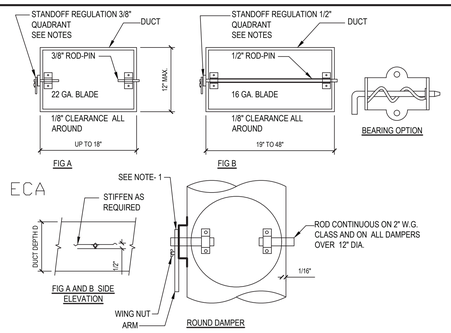
NOTES:

1. FURNISH THIS TYPE OF CONNECTION WHEN SINGLE LINE DUCTWORK IS INDICATED AS SHOWN FOR LOW PRESSURE BRANCHES WITH 33% OR MORE CAPACITY OF THE MAIN DUCT.

12 Branch Duct with Radius Elbow
SCALE: NTS SM-001



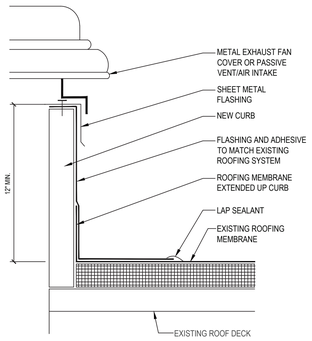
13 Flexible Duct Connection
SCALE: NTS SM-003



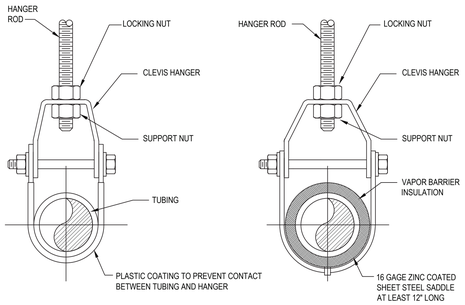
NOTES:

1. PROVIDE 2" HIGH STANDOFF REGULATORS FOR EXTERNALLY INSULATED DUCTWORK. PROVIDE REGULATORS WITH SEALS. DURO-DYNE MODEL E50.
2. STANDOFF BASE HEIGHT TO MATCH INSULATION THICKNESS. BASE CONSTRUCTION 16 GAUGE.
3. RAPIT DAMPER REGULATORS AND JIFFY DAMPERS ARE NOT ACCEPTABLE ON RECTANGULAR OR ROUND DUCTWORK.

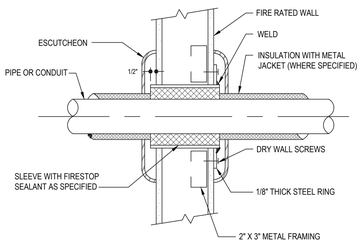
14 Volume Dampers - Single Blade Type
SCALE:NTS (DETAIL #)



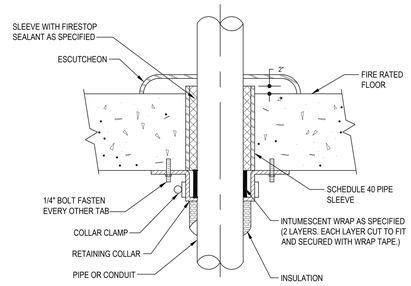
15 Exhaust Fan Detail
SCALE:NTS (DETAIL #)



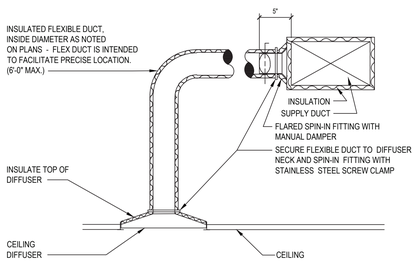
16 Copper Tubing Hanger Details
SCALE:NTS (DETAIL #)



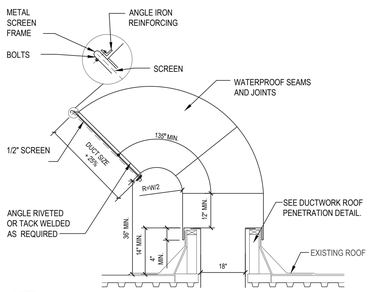
17 Pipe or Conduit Penetration Through Fire Rated Walls
SCALE:NTS (DETAIL #)



18 Pipe Penetration Through Floors
SCALE:NTS (DETAIL #)

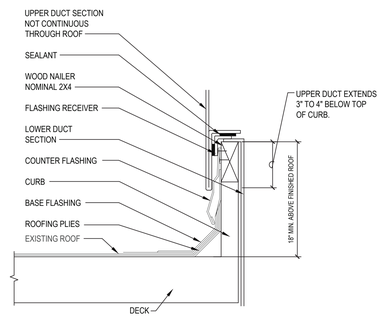


19 Ceiling Diffuser Connection
SCALE:NTS (DETAIL #)

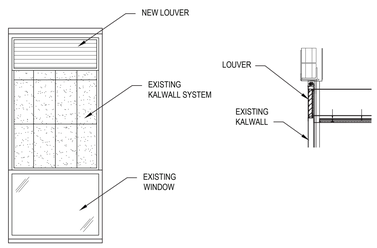


NOTE:
CURBS ARE REQUIRED FOR ALL DUCT PENETRATIONS OF ROOFS.

20 Round Gooseneck Detail
SCALE:NTS (DETAIL #)



21 Ductwork Roof Penetration Detail
SCALE:NTS (DETAIL #)



22 LOUVER WITHIN WINDOW FRAMING DETAIL
SCALE:NTS

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CLIENT
White Plains City School District

Renovations at Rochambeau Alternate High School

228 Fisher Avenue
White Plains, NY 10606

SED #66-22-00-01-0-015-020

CONTRACT
CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS
FINAL BID DOCUMENT

SHEET TITLE
MECHANICAL DETAILS

DRAWING No.
M501.00

X:\wpsd (white plains central school district) - 1099\wpsd-2401 (rochambeau alt hs renovations)\02-bim-cad\Con-Dwgs\14 mechanical\M500-00 Mechanical Details.dwg Last Modified: Mar 12, 2025 - 4:00pm Plotted on: May 28, 2025 - 9:45am By: mkoppelman

FINNED TUBE RADIATION/CONVECTORS

EQUIPMENT NO.	AREA SERVED	QUANTITY	PERFORMANCE/CONSTRUCTION REQUIREMENTS					BASIS OF DESIGN INFORMATION				REMARKS
			ACTIVE ELEMENT LENGTH (FT.)	FIN SPACING (FINS / FT.)	AIR DATA		STEAM DATA	MNF	MODEL NO.	NO. OF ROWS HIGH	NOMINAL DIMENSIONS L x W x H	
					ENT. DB. TEMP. (DEG. F)	TOTAL CAPACITY (MBH)	PRESSURE (PSIG)					
FT-1	ART ROOM 307, CLASSROOM 313	8	3	48	65	5.67	1	SLANT/FIN	355-14	2	36" x 3.25" x 3.25"	1-2
FT-2	CLASSROOMS 105 AND 203	4	5	48	65	9.45	1	SLANT/FIN	355-14	2	60" x 3.25" x 3.25"	1-2
FT-3	CLASSROOM 303	2	6	48	65	11.3	1	SLANT/FIN	355-14	2	72" x 3.25" x 3.25"	1-2

NOTES:

1. RUN ENCLOSURES CONTINUOUSLY FROM WALL TO WALL
2. PROVIDE END CAPS, CORNER PIECES AND OTHER TRIM

CONDENSATE PUMPS

EQUIPMENT NO.	LOCATION	QTY.	DISCHARGE SIZE	SHUTOFF FT / PSI	BASIS OF DESIGN INFORMATION								REMARKS
					MANUFACTURER	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA				
									VOLTS	HP	AMPS	WATTS	
CP-1 TO CP-32	REFER TO PLANS	32	3/8" O.D. BARBED	20 / 8.6	LITTLE GIANT	VCCA-20-P	12 X 5 X 5.25	4.5	115	1/30	1.5	93	1-3

NOTES:

1. PUMP TO BE POWERED BY SEPARATE POWER FEED
2. UNIT TO BE HARDWIRED
3. AUTOMATIC SAFETY CONDENSATE OVERFLOW SWITCH

KILN EXHAUST

EQUIPMENT NO.	LOCATION	MNF	MODEL NO.	CONTROLLER	ELECTRICAL DATA		REMARKS
					VOLTS	CURRENT	
KE-1	KILN ROOM	AMACO	MASTER KILN VENT	ENVIROLINK	110V	-	1

NOTES:
1. PLUG-TYPE DISCONNECT

VENTILATION INDEX BASED ON 2020 NEW YORK STATE MECHANICAL CODE - SECTION 403.3

ROOM #	TYPE	AREA (FT2)	OCCUPANT DENSITY #/1000 FT2	PEOPLE OUTDOOR AIRFLOW RATE (CFM/PERSON)	AREA OUTDOOR AIRFLOW RATE (CFM/FT2)	# OCCUPANTS/ ROOM	BREATHING ZONE OUTDOOR AIRFLOW (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ZONE OUTDOOR AIRFLOW (CFM)
		Az	a	Rp	Ra	Pz	Vbz	Ez	Voz
CLASSROOM 101	CLASSROOMS (AGE 9 PLUS)	873	35	10	0.12	31	415	0.8	**519**
CLASSROOM 102	CLASSROOMS (AGE 9 PLUS)	885	35	10	0.12	31	417	0.8	**522**
CLASSROOM 103	CLASSROOMS (AGE 9 PLUS)	684	35	10	0.12	24	323	0.8	**404**
CLASSROOM 104	CLASSROOMS (AGE 9 PLUS)	664	35	10	0.12	24	320	0.8	**400**
CLASSROOM 105	CLASSROOMS (AGE 9 PLUS)	707	35	10	0.12	25	335	0.8	**419**
CLASSROOM 106	CLASSROOMS (AGE 9 PLUS)	664	35	10	0.12	24	320	0.8	**400**
CLASSROOM 114	CLASSROOMS (AGE 9 PLUS)	618	35	10	0.12	22	295	0.8	**369**
OFFICE 114B	OFFICE SPACES	130	5	5	0.06	1	13	0.8	**17**
VESTIBULE 111A	CORRIDORS	161	0	0	0.06	0	10	0.8	**13**
STORAGE 111B	STORAGE ROOMS	174	0	0	0.12	0	21	0.8	**27**
KITCHEN 116	KITCHENS (COOKING)	548	20	7.5	0.12	11	149	0.8	**187**
OFFICE 116A	OFFICE SPACES	85	5	5	0.06	1	11	0.8	**14**
CAFETERIA 117	CAFETERIA DINING	2787	100	7.5	0.18	279	2595	0.8	**3244**
CLASSROOM 121	CLASSROOMS (AGE 9 PLUS)	1010	35	10	0.12	36	482	0.8	**603**
CLASSROOM 122	CLASSROOMS (AGE 9 PLUS)	670	35	10	0.12	24	321	0.8	**402**
THERAPY ROOM 123	CLASSROOMS (AGE 9 PLUS)	443	35	10	0.12	16	214	0.8	**268**
CLASSROOM 124	CLASSROOMS (AGE 9 PLUS)	670	35	10	0.12	24	321	0.8	**402**
CLASSROOM 201	CLASSROOMS (AGE 9 PLUS)	869	35	10	0.12	31	415	0.8	**519**
CLASSROOM 202	CLASSROOMS (AGE 9 PLUS)	862	35	10	0.12	31	414	0.8	**518**
COMP. ROOM 203	COMPUTER ROOM	688	25	10	0.12	18	263	0.8	**329**
CLASSROOM 204	CLASSROOMS (AGE 9 PLUS)	668	35	10	0.12	24	321	0.8	**402**
CLASSROOM 206	CLASSROOMS (AGE 9 PLUS)	664	35	10	0.12	24	320	0.8	**400**
MAIN OFFICE 216	OFFICE SPACES	553	5	5	0.06	3	49	0.8	**62**
PRINCIPAL OFFICE 216A	OFFICE SPACES	304	5	5	0.06	2	29	0.8	**37**
OFFICE 216C	OFFICE SPACES	224	5	5	0.06	2	24	0.8	**30**
CLASSROOM 223	CLASSROOMS (AGE 9 PLUS)	727	35	10	0.12	26	348	0.8	**435**
CLASSROOM 224	CLASSROOMS (AGE 9 PLUS)	664	35	10	0.12	24	320	0.8	**400**
CLASSROOM 225	CLASSROOMS (AGE 9 PLUS)	727	35	10	0.12	26	348	0.8	**435**
CLASSROOM 226	CLASSROOMS (AGE 9 PLUS)	669	35	10	0.12	24	321	0.8	**402**
CLASSROOM 301	CLASSROOMS (AGE 9 PLUS)	596	35	10	0.12	21	282	0.8	**353**
CLASSROOM 303	CLASSROOMS (AGE 9 PLUS)	879	35	10	0.12	31	416	0.8	**520**
CLASSROOM 304	CLASSROOMS (AGE 9 PLUS)	670	35	10	0.12	24	321	0.8	**402**
OFFICE 306A	OFFICE SPACES	166	5	5	0.06	1	15	0.8	**19**
CLASSROOM 306B	CLASSROOMS (AGE 9 PLUS)	445	35	10	0.12	16	214	0.8	**268**
ART ROOM 307	ART CLASSROOM	1054	20	10	0.18	22	410	0.8	**513**
CLASSROOM 313	CLASSROOMS (AGE 9 PLUS)	777	35	10	0.12	28	374	0.8	**468**
CLASSROOM 322	CLASSROOMS (AGE 9 PLUS)	669	35	10	0.12	24	321	0.8	**402**
CLASSROOM 323	CLASSROOMS (AGE 9 PLUS)	724	35	10	0.12	26	347	0.8	**434**
OFFICE 324	OFFICE SPACES	153	5	5	0.06	1	15	0.8	**19**
CLASSROOM 325	CLASSROOMS (AGE 9 PLUS)	732	35	10	0.12	26	348	0.8	**435**
CLASSROOM 326	CLASSROOMS (AGE 9 PLUS)	530	35	10	0.12	19	254	0.8	**318**

(a) AREA PROVIDED WITH NATURAL VENTILATION IN ACCORDANCE WITH 2020 NEW YORK STATE MECHANICAL CODE - SECTION 402

ENERGY RECOVERY VENTILATORS

EQUIP. NO.	LOCATION	PERFORMANCE/CONSTRUCTION REQUIREMENTS																	REMARKS
		SUPPLY FAN		SUMMER ENERGY RECOVERY			WINTER ENERGY RECOVERY			MANUFACTURER	MODEL NO.	NOMINAL DIMENSIONS L" x W" x H"	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA					
		OUTSIDE AIR (CFM)	E.S.P. (IN W.G.)	TOTAL EFFECT. (%)	OA ENT. DB/WB (°F)	LVG DB/WB (°F)	TOTAL EFFECT. (%)	OA ENT. DB (°F)	LVG DB (°F)					VOLTS/ PHASE	HP	FLA (A)	MCA (A)	MOP (A)	
ERV-1	MAIN OFFICE 216	138	0.35	63.2	89.9/73.9	75.0/62.5	77.8	9.0	70.0	RENEWAIRE	EV PREMIUM LH	23.75 x 22.5 x 24.25	52	120/ 1-PH	0.11	1.22	15	15	1-5

NOTES:

1. HARD-WIRED UNIT
2. LOUVERED WALL VENT
3. BACK DRAFT DAMPER.
4. TIME CLOCK CONTROLLER
5. NON-FUSED DISCONNECT

EXHAUST FANS

EQUIPMENT NO.	LOCATION	TYPE	PERFORMANCE/CONSTRUCTION REQUIREMENTS			BASIS OF DESIGN INFORMATION							REMARKS
			CFM	EXT S. P. (IN. W.C.)	FAN/MOTOR RPM	MNF	MODEL NO.	NOMINAL DIMENSION L x W. x H (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA			
										VOLTS/ PHASE	MCA	MOCP	
EF-1	ROOF	DOWNBLAST	2620	0.35	483	GREENHECK	G-240-VG	42.8 x 42.8 x 43.5	239	208 / 1	16	25	1-6,8
EF-2	ROOF	DOWNBLAST	2620	0.35	483	GREENHECK	G-240-VG	42.8 x 42.8 x 43.5	239	208 / 1	16	25	1-6,8
EF-5	ROOF	DOWNBLAST	2270	0.35	628	GREENHECK	G-200-VG	35.5 x 35.5 x 40.0	151	208 / 1	9	15	1-6,8
EF-6	ROOF	DOWNBLAST	2270	0.35	628	GREENHECK	G-200-VG	35.5 x 35.5 x 40.0	151	208 / 1	9	15	1-6,8
EF-7	ROOF	DOWNBLAST	740	0.51	1140	GREENHECK	G-120-B	24.4 x 24.4 x 35.7	79	208 / 1	-	-	1-5,7-8
EF-8	ROOF	DOWNBLAST	2100	0.35	608	GREENHECK	G-200-VG	35.5 x 35.5 x 40.0	151	208 / 1	9	15	1-6,8

NOTES:
1. BACKDRAFT DAMPER
2. GALVANIZED BIRDSCREEN
3. 12" CURB (MODEL GPI)
4. ELECTRICAL TO PROVIDE TIME CLOCK
5. FACTORY PROVIDED NEMA-1 DISCONNECT
6. GRAVITY OPERATED DAMPER MODEL WD-100
7. GRAVITY OPERATED DAMPER MODEL BD-100
8. VARI-GREEN EC MOTOR WITH DIAL FOR BALANCING/CONTROL

AIR OUTLETS

DESIGNATION	SYMBOL	BASIS OF DESIGN: MNF/ MODEL NO.	TYPE	NOM. FACE SIZE (IN)	AIR FLOW RANGE (CFM)		NECK SIZE DIAMETER (IN.)	REMARKS
					MIN	MAX		
A	A (CFM)	NAILOR/UNI	SQUARE FACE CEILING DIFFUSER	24 X 24 UNLESS OTHERWISE NOTED ON DRAWINGS	0	200	6	1-6
					201	315	8	
					316	450	10	
					451	650	12	
					651	850	14	
B	B (CFM)	NAILOR/6145H	RETURN GRILLE	24x24 UNLESS OTHERWISE NOTED ON DRAWINGS	SEE DRAWINGS	SEE DRAWINGS	NA	1-6
C	C (CFM)	NAILOR/6145H	EXHAUST GRILLE	24x24 UNLESS OTHERWISE NOTED ON DRAWINGS	SEE DRAWINGS	SEE DRAWINGS	NA	1-6

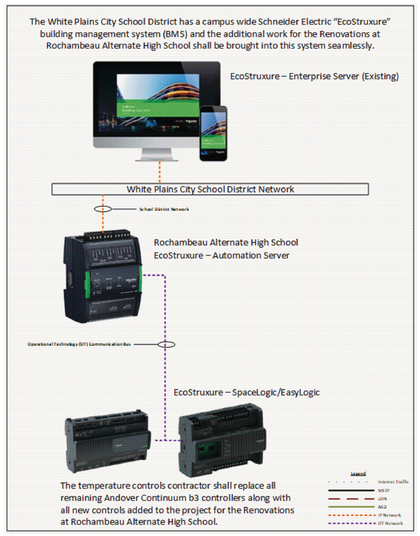
NOTES:
1. PROVIDE ALUMINUM CONSTRUCTION FOR ALL AIR TERMINALS IN SHOWER ROOMS, TOILETS, JANITORS' CLOSETS AND OTHER HUMID AREAS.
2. FOR CONSTRUCTION DETAILS AND ACCESSORIES SEE THE SPECIFICATIONS.
3. FOR VARIABLE VOLUME SYSTEMS SELECT DIFFUSER NECK SIZES SUCH THAT BOTH MAXIMUM AND MINIMUM AIR FLOWS FALL WITHIN MANUFACTURER'S CATALOGUED MAXIMUM AND MINIMUM AIR FLOW RATINGS. MAXIMUM AIR FLOW PRODUCING AN NC RATING OF 25 TO 30 AND MINIMUM FLOW PRODUCING A LISTED THROW.
4. PROVIDE OPPOSED BLADE DAMPER FOR ALL REGISTERS.
5. PROVIDE OPPOSED BLADE DAMPER AND EQUALIZING GRID FOR ALL DIFFUSERS.
6. PROVIDE MOUNTING FRAMES TO MATCH CEILING IN WHICH UNIT IS INSTALLED, COUNTERSINK ALL MOUNTING SCREWS.

LOUVERS

EQUIPMENT NO.	LOCATION	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS					BASIS OF DESIGN INFORMATION		REMARKS
			AIR FLOW RATE (CFM)	MAX. PD (IN. W.C.)	FREE AREA (SQ. FT.)	OVERALL NOMINAL SIZE W X H	SERVICE	MANUFACTURER	MODEL NO.	
LV-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LV-2	REFER TO PLANS	UNIT VENTILATOR	750	0.05	1.33	34" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	1-3
LV-3	REFER TO PLANS	UNIT VENTILATOR	1500	0.14	1.63	41" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	1-3
LV-4	REFER TO PLANS	UNIT VENTILATOR	1500	0.11	1.85	46" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	1-3
LV-5	REFER TO PLANS	UNIT VENTILATOR	1500	0.1	1.95	50" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	1-3
LV-6	REFER TO PLANS	UNIT VENTILATOR	1250	0.06	2.04	52" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	1-3
LV-7	REFER TO PLANS	UNIT VENTILATOR	750	0.02	2.21	56" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	1-3

NOTES:
1. COLOR OF LOUVER TO BE COORDINATED WITH SCHOOL PRIOR TO ORDERING
2. GLAZING ADAPTER
3. DRAINABLE

BUILDING AUTOMATION (BAS) / BUILDING MANAGEMENT SYSTEM (BMS) SCOPE OF WORK



SCOPE OVERVIEW

A. PROVIDE A NEW SCHNEIDER ELECTRIC "ECOSTRUXURE" BUILDING AUTOMATION SYSTEM (BAS) FOR CONTROL AND MONITORING OF ALL HVAC EQUIPMENT INSTALLED UNDER THIS PROJECT. THE NEW BAS SHALL INCLUDE THE FOLLOWING:
   1. ADD AS-P IP CONTROLLER TO THE BUILDING.
   2. BRING AS-P INTO WHITE PLAINS SITE WIDE ENTERPRISE SERVER.
   3. PROVIDE WORKSTATION ON DISTRICT BMS VLAN.
   4. MP-C / RP-C FIELD CONTROLLERS FOR EQUIPMENT.

B. CONVERT EXISTING ANDOVER "CONTINUUM" BAS TO SCHNEIDER ELECTRIC "ECOSTRUXURE". REPLACE ALL CONTROLLERS AND MIGRATE EXISTING B3 FIELD CONTROLLERS:
   1. REPLACE EACH CONTINUUM IP CONTROLLER WITH AN ECOSTRUXURE AS-P IP CONTROLLER PER EXISTING.
   2. REPLACE EACH CONTINUUM B3 FIELD CONTROLLER WITH NEW MP-C / RP-C CONTROLLER.
   3. PROVIDE NEW CONTROLLER CODE AND GRAPHICS.
   4. MAINTAIN AND MIGRATE OVER ALL SEQUENCES OF OPERATIONS, CONTROL POINTS, AND MONITORING POINTS FOR ALL EXISTING-TO-REMAIN EQUIPMENT.

C. UPON COMPLETION OF BAS INSTALLATION, DISTRICT PERSONNEL SHALL BE ABLE TO CONTROL AND MONITOR ALL HVAC EQUIPMENT IN THE BUILDING VIA A SINGLE GRAPHICAL INTERFACE AND SHALL BE ABLE TO ACCESS THE GRAPHICAL INTERFACE REMOTELY VIA WEB BROWSER OR CELLPHONE APPLICATION.

D. PROVIDE SEAMLESS INTEGRATION WITH EXISTING CONTROL NETWORK AND USER INTERFACES. NETWORK GATEWAYS AND PROTOCOL INTERFACE EQUIPMENT ARE NOT ACCEPTABLE.

E. THE AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR FOR THE DISTRICT IS STARK TECH - ATTN: JASON KROSS - KROSSJ@STARKTECH.COM - (518) 312-6086 MOBILE.

F. PROVIDE INSTRUMENTATION, VALVES, DAMPERS, ACTUATORS AND WIRING AS REQUIRED TO PROVIDE SPECIFIED OPERATING SEQUENCES.

G. PROVIDE NEW GRAPHICAL USER INTERFACES TO INCLUDE ALL EQUIPMENT/SYSTEMS INCLUDED IN THIS PROJECT.

H2M

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White Plains, NY 10605
914.358.5623 • www.h2m.com
NY Architecture & Landscape Architecture: No Certificate Required
NY Engineering Certificate of Authorization No. 0018178

CONSULTANTS:

MARK	DATE	DESCRIPTION

STATE OF NEW YORK · PAUL DOUGLAS FOERTH · 096422 · LICENSED PROFESSIONAL ENGINEER

PAUL D. FOERTH, P.E.
NY PROFESSIONAL ENGINEER Lic. No. 096422

03/29/2026
EXP. DATE

"IN ACCORDANCE WITH ARTICLE 145, SECTION 7209 OF THE NYS EDUCATION LAW, ALTERATION OF THIS DOCUMENT EXCEPT BY LICENSE PROFESSIONAL IS ILLEGAL"

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PROJECT No.:	DATE:	SCALE:
WPSD2401	MAY 2025	AS SHOWN

CLIENT
White Plains City School District

Renovations at Rochambeau Alternate High School

228 Fisher Avenue
White Plains, NY 10606

SED #66-22-00-01-0-015-020

CONTRACT
CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS
FINAL BID DOCUMENT

SHEET TITLE
MECHANICAL SCHEDULES (1 OF 2)

DRAWING No.
M600.00

X:\wpsd (white plains central school district) - 1099\wpsd-2401 - (rochambeau alt hs renovations)\02-bim-cad\Con Docs\14 mechanical\M600.00 Mechanical Schedules.dwg Last Modified: Mar 12, 2025 - 1:52pm Plotted on May 28, 2025 - 9:45am By mcoppeman

VRF AIR COOLED CONDENSING UNITS

EQUIPMENT NO.	LOCATION	AREA SERVED	INDOOR UNITS SERVED	COOLING PERFORMANCE		BASIS OF DESIGN INFORMATION							REMARKS
				CAPACITY (MBH)	REFRIGERANT TYPE	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA			
										VOLTS/PHASE	MCA	MOCP	
CU-1	LOWER ROOF	CLASSROOMS 101 TO 106	UV-1 TO 6	274	R410A	DAIKIN	RXYQ288AAYDA	97.6 x 30.1 x 65.4	1522	460 - 3Φ	21.3 + 21.3	25.25	1-7
CU-2	ROOF	CLASSROOMS 121 TO 124	UV-7 TO 11	160	R410A	DAIKIN	RXYQ168AAYDA	48.8 x 30.1 x 65.4	761	460 - 3Φ	24.9	30	1-7
CU-3	LOWER ROOF	CLASSROOMS 201 TO 204, 206	UV-12 TO 16	206	R410A	DAIKIN	RXYQ216AAYDA	65.9 x 30.1 x 65.4	915	460 - 3Φ	29.9	35	1-7
CU-4	ROOF	CLASSROOMS 223 TO 226	UV-17 TO 20	138	R410A	DAIKIN	RXYQ144AAYDA	48.8 x 30.1 x 65.4	761	460 - 3Φ	21.3	25	1-7
CU-5	ROOF	CLASSROOMS 301, 303, 304, 306	UV-21 TO 24	228	R410A	DAIKIN	RXYQ240AAYDA	65.9 x 30.1 x 65.4	915	460 - 3Φ	33.4	40	1-7
CU-6	ROOF	CLASSROOMS 322, 323, 325, 326	UV-25 TO 28	160	R410A	DAIKIN	RXYQ168AAYDA	48.8 x 30.1 x 65.4	761	460 - 3Φ	24.9	30	1-7
CU-7	ROOF	CLASSROOM 307	UV-29 TO 30	69	R410A	DAIKIN	RXYQ72AAYDA	36.6 x 30.1 x 65.4	507	460 - 3Φ	12.4	15	1-7
CU-8	ROOF	CLASSROOM 114	UV-31	46	R410A	DAIKIN	RXTQ48TBVJUA	37.0 x 12.7 x 39.0	176	208-230 - 1Φ	29.1	35	1-7
CU-9	ROOF	CLASSROOMS 216, 216A, 216C	EU-1 TO 3	57	R410A	DAIKIN	RXTQ60TBVJUA	35.5 x 12.7 x 53.0	225	208-230 - 3Φ	29.1	35	1-7
CU-10	ROOF	CLASSROOM 313	UV-32	46	R410A	DAIKIN	RXTQ48TBVJUA	37.0 x 12.7 x 39.0	176	208-230 - 3Φ	29.1	35	1-7

NOTES:

1. 14" HIGH RAILS
2. AUTO CHARGE FUNCTION
3. BACNET INTERFACE
4. JOINING/TWINNING KIT (WHERE REQUIRED)
5. GROUP CONTROL KIT(S)
6. ELECTRICAL TO PROVIDE DISCONNECT
7. SCHNEIDER ECOSTRUXURE SPACE LOGIC/EASYLOGIC CONTROL MODULE

VRF DUCTLESS EVAPORATOR UNITS

EQUIPMENT NO.	LOCATION	TYPE	PERFORMANCE/ CONSTRUCTION REQUIREMENTS			BASIS OF DESIGN INFORMATION							REMARKS
			TOTAL COOLING CAPACITY (MBH)	REFRIGERANT TYPE	MAXIMUM AIRFLOW (CFM)	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA			
										VOLTS/PHASE	MCA	MOCP	
EU-1	ROOM 216	CEILING CASSETTE	18.0	R410A	511	DAIKIN	FXZQ18TAVJU	22.6 x 22.6 x 10.3	41	208-230 - 1Φ	0.6	15	1-3
EU-2	ROOM 216A	CEILING CASSETTE	12.0	R410A	353	DAIKIN	FXZQ12TAVJU	22.6 x 22.6 x 10.3	37	208-230 - 1Φ	0.4	15	1-3
EU-3	ROOM 216C	CEILING CASSETTE	18.0	R410A	511	DAIKIN	FXZQ18TAVJU	22.6 x 22.6 x 10.3	41	208-230 - 1Φ	0.6	15	1-3

NOTES:

1. LOCAL THERMOSTAT
2. DRAIN PAN LEVEL SENSOR
3. VENTILATION FLANGE

UNIT VENTILATORS

EQUIPMENT NO.	AREA SERVED	PERFORMANCE/ CONSTRUCTION REQUIREMENTS										BASIS OF DESIGN INFORMATION					REMARKS
		SUPPLY FAN			COOLING COIL				HEATING COIL			MNF	MODEL NO.	NOMINAL DIMENSIONS L X W X H (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA	
		AIR FLOW (CFM)	OUTSIDE AIR (CFM)	ESP (IN. W.G.)	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	AIR DATA		TOTAL CAPACITY (MBH)	AIR DATA						VOLTS / PHASE	
							EAT DB/WB (°F)	LAT DB/WB (°F)		EAT (°F)	LAT (°F)						
UV-1	CLASSROOM 101	1500	520	0.45	53.7	40.3	80 / 67	55.3 / 55.3	72.6	50.0	114.6	DAIKIN	UAHF9H15	36 X 100 X 16.62	620	115 / 1	1-5,9-12
UV-2	CLASSROOM 102	1500	535	0.45	53.7	40.3	80 / 67	55.3 / 55.3	72.6	50.0	114.6	DAIKIN	UAHF9H15	36 X 100 X 16.62	620	115 / 1	1-5,9-12
UV-3	CLASSROOM 103	1250	420	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-4	CLASSROOM 104	1250	405	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-5	CLASSROOM 105	1250	435	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-6	CLASSROOM 106	1250	405	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-7	CLASSROOM 121	750	305	0.45	22.9	17.2	80 / 67	58.9 / 57.5	31.6	47.0	108.8	DAIKIN	UAHF9H07	36 X 64 X 16.62	385	115 / 1	1-6,10-12
UV-8	CLASSROOM 121	750	305	0.45	22.9	17.2	80 / 67	58.9 / 57.5	31.6	47.0	108.8	DAIKIN	UAHF9H07	36 X 64 X 16.62	385	115 / 1	1-6,10-12
UV-9	CLASSROOM 122	1250	420	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-10	CLASSROOM 123	1250	315	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-11	CLASSROOM 124	1250	420	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-12	CLASSROOM 201	1500	520	0.45	53.7	40.3	80 / 67	55.3 / 55.3	72.6	50.0	114.6	DAIKIN	UAHF9H15	36 X 100 X 16.62	620	115 / 1	1-5,9-12
UV-13	CLASSROOM 202	1500	520	0.45	53.7	40.3	80 / 67	55.3 / 55.3	72.6	50.0	114.6	DAIKIN	UAHF9H15	36 X 100 X 16.62	620	115 / 1	1-5,9-12
UV-14	CLASSROOM 203	1250	330	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-15	CLASSROOM 204	1250	405	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-16	CLASSROOM 206	1250	405	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-17	CLASSROOM 223	1250	440	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-18	CLASSROOM 224	1250	405	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,9-12
UV-19	CLASSROOM 225	1500	450	0.45	53.7	40.3	80 / 67	55.3 / 55.3	72.6	50.0	114.6	DAIKIN	UAHF9H15	36 X 100 X 16.62	620	115 / 1	1-5,8,10-12
UV-20	CLASSROOM 226	1250	420	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-21	CLASSROOM 301	1250	370	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-22	CLASSROOM 303	1500	520	0.45	53.7	40.3	80 / 67	55.3 / 55.3	72.6	50.0	114.6	DAIKIN	UAHF9H15	36 X 100 X 16.62	620	115 / 1	1-5,9-12
UV-23	CLASSROOM 304	1500	420	0.45	53.7	40.3	80 / 67	55.3 / 55.3	72.6	50.0	114.6	DAIKIN	UAHF9H15	36 X 100 X 16.62	620	115 / 1	1-5,9-12
UV-24	CLASSROOM 306	1500	405	0.45	53.7	40.3	80 / 67	55.3 / 55.3	72.6	50.0	114.6	DAIKIN	UAHF9H15	36 X 100 X 16.62	620	115 / 1	1-5,9-12
UV-25	CLASSROOM 322	1250	420	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-26	CLASSROOM 323	1250	440	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-27	CLASSROOM 325	1250	450	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-28	CLASSROOM 326	1250	420	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-29	CLASSROOM 307	1000	250	0.45	33.2	24.9	80 / 67	57.1 / 56.3	48.4	56.0	114.6	DAIKIN	UAHF9H10	36 X 76 X 16.62	465	115 / 1	1-5,7,10-12
UV-30	CLASSROOM 307	1000	250	0.45	33.2	24.9	80 / 67	57.1 / 56.3	48.4	56.0	114.6	DAIKIN	UAHF9H10	36 X 76 X 16.62	465	115 / 1	1-5,7,10-12
UV-31	CLASSROOM 114	1250	455	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12
UV-32	CLASSROOM 313	1250	570	0.45	43.4	32.6	80 / 67	56.0 / 55.7	57.5	44.0	112.4	DAIKIN	UAHF9H13	36 X 88 X 16.62	540	115 / 1	1-5,8,10-12

NOTES:

1. DISCONNECT SWITCH
2. THERMOSTATIC REMOTE CONTROLLER
3. 3-POINT FLOATING CONTROL VALVES
4. SCHNEIDER ECOSTRUXURE SPACE LOGIC/EASYLOGIC CONTROL MODULE
5. SUPPLY, RETURN, AND OUTDOOR AIR DUCT CONNECTION (ARRANGEMENT #29)
6. PROVIDE AND INSTALL EEV KIT MODEL EKEXV63
7. PROVIDE AND INSTALL EEV KIT MODEL EKEXV80
8. PROVIDE AND INSTALL EEV KIT MODEL EKEXV100
9. PROVIDE AND INSTALL EEV KIT MODEL EKEXV125
10. PROVIDE AND INSTALL CONTROL BOX MODEL EKEQMCBAV3
11. PROVIDE FACE AND BYPASS DAMPER & ACTUATOR
12. PROVIDE END OF CYCLE VALVE

EQUIPMENT PRE-PURCHASED BY DISTRICT AND PROVIDED TO 'H' CONTRACTOR FOR INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT ONCE PROVIDED BY DISTRICT. CONTRACTOR TO INSPECT EQUIPMENT PROVIDE WRITTEN NOTIFICATION OF ANY DEFICIENCIES WITH EQUIPMENT WITHIN THREE (3) BUSINESS DAYS OF RECEIPT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH EQUIPMENT MANUFACTURER REPRESENTATIVES TO RESOLVE ANY EQUIPMENT ISSUES NOTED DURING CONSTRUCTION AND/OR STARTUP.

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PAUL D. FOERTH, P.E.
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WPSD2401	MAY 2025	AS SHOWN

CLIENT

White Plains City School District

Renovations at Rochambeau Alternate High School

228 Fisher Avenue
White Plains, NY 10606

SED #66-22-00-01-0-015-020

CONTRACT

CONTRACT M
HEATING VENTILATION AND AIR CONDITIONING

STATUS

FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL SCHEDULES (2 OF 2)

DRAWING No.

M601.00

X:\wpsd (white plains central school district) - 10091\wpsd 2401 - (rochambeau alt ts renovations)\02-bim-cad\Con-Docs\14 mechanical\M600.00 Mechanical Schedules.dwg Last Modified: Mar 18, 2025 - 10:52am Plotted on: May 28, 2025 - 9:46am By: mcoppeman