

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. 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
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
	AL	RECTANGULAR TO ROUND TRANSITION
		ACOUSTICAL LINING
	SEE AIR DEVICE SCHEDULE	END CAP
		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
	DSD	RETURN/EXHAUST DUCT RISE
	MD	DUCT SMOKE DETECTOR
	AD	MOTORIZED DAMPER WITH ACTUATOR
	FD/AD	ACCESS DOOR
	FSD/AD	FIRE DAMPER WITH ACCESS DOOR
	FAN	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
		THERMOSTAT
		DIGITAL TEMPERATURE SENSOR
		HUMIDITY SENSOR
		CARBON DIOXIDE SENSOR
		PRESSURE SENSOR

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
	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
		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 2020 MECHANICAL CODE OF NEW YORK STATE.
- THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE, EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS.
- 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.
- COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL INSTALLATIONS.
- 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.
- 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.
- 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'-0" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- 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.
- PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
- 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.
- 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.
- COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING AND DUCT TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
- 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.
- COORDINATE INSTALLATION OF SUPPLY AND RETURN GRILLES WITH INSTALLATION OF FINISHED CEILINGS.
- COMPLETE ALL PRESSURE TESTS BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK, OR PIPING INSULATION IS APPLIED.
- 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.
- 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.
- PROVIDE CONCRETE PADS A MINIMUM OF 6 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
- INTERNALLY LINE ALL SUPPLY AND RETURN DUCTWORK WITHIN 20 FEET UPSTREAM AND DOWNSTREAM OF FANS WITH 1" THICK INSULATION. 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.
- 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.
- 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

- 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.
- 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 'H' SCOPE NOTES (HVAC OR MECHANICAL)

- ALL REFERENCES TO OTHER CONTRACTS AND DIVISIONS INCLUDING BUT NOT LIMITED TO, 'G', 'P', 'E', AND DIVISION 26, ARE ALL TO BE BID AS PART OF THE 'H' SCOPE AND BID FOR THIS PROJECT.
- PROVIDE ALL LOUVERS FOR INSTALLATION BY CONTRACT 'G'. SUBMIT LOUVER COLOR AND CONFIGURATION TO THE ARCHITECT/ENGINEER FOR APPROVAL.
- 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'.
- FURNISH AND INSTALL ALL NECESSARY CONTROL WIRING, CONDUIT, AND ACCESSORIES AS REQUIRED TO PROVIDE FULLY FUNCTIONING SYSTEMS AND SEQUENCES OF OPERATION.
- FURNISH ALL LINTELS FOR DUCT AND PIPE PENETRATIONS IN INTERIOR MASONRY WALLS FOR INSTALLATION BY CONTRACT 'G'.
- FURNISH ALL SLEEVES FOR PIPE AND CONDUIT FLOOR, WALL, PARTITION, AND ROOF PENETRATIONS FOR INSTALLATION BY CONTRACT 'G'.
- FURNISH ALL CURBS FOR ALL ROOF MOUNTED EQUIPMENT AND DUCT PENETRATIONS FOR INSTALLATION BY CONTRACT 'G'.
- REMOVE CHASE ENCLOSURE COVER WHEN PERFORMING WORK IN ANY CHASE, AND REINSTALL THE CHASE ENCLOSURE COVER WHEN WORK IS COMPLETE.
- 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

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

H2

architects
+
engineers

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Melville, NY 11747
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CONSULTANTS:		

MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET

DESIGNED BY: JSK
PROJECT NO: WPSD 2009

DRAWN BY: JSK
DATE: NOVEMBER 2021

CHECKED BY: JSK
SCALE: AS SHOWN

REVIEWED BY: JSK

CLIENT

White Plains City School District

Renovations at
Rochambeau Alternative
High School



228 Fisher Avenue
White Plains, NY 10606

SED No. 66-22-00-01-0-15-019

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

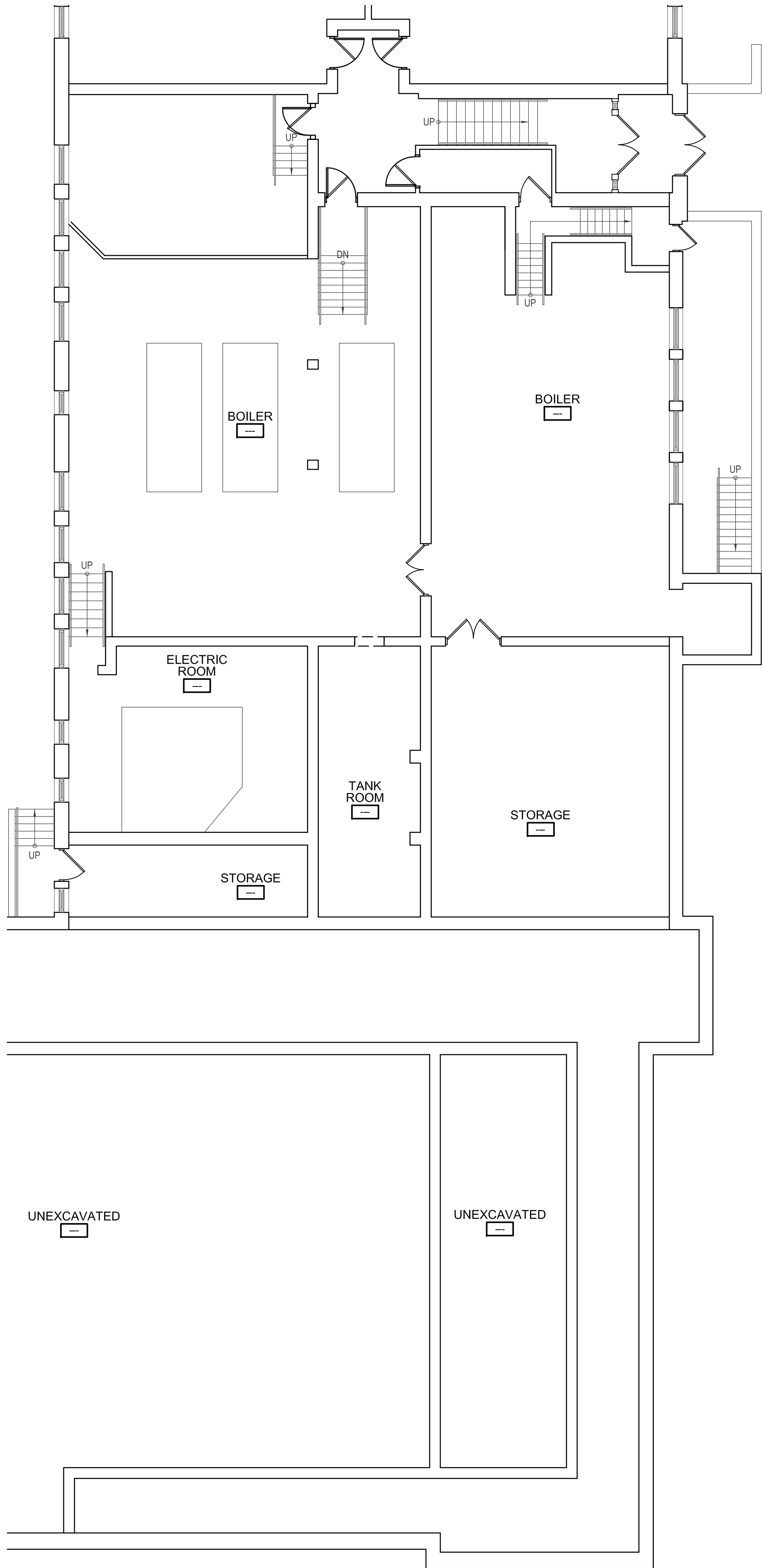
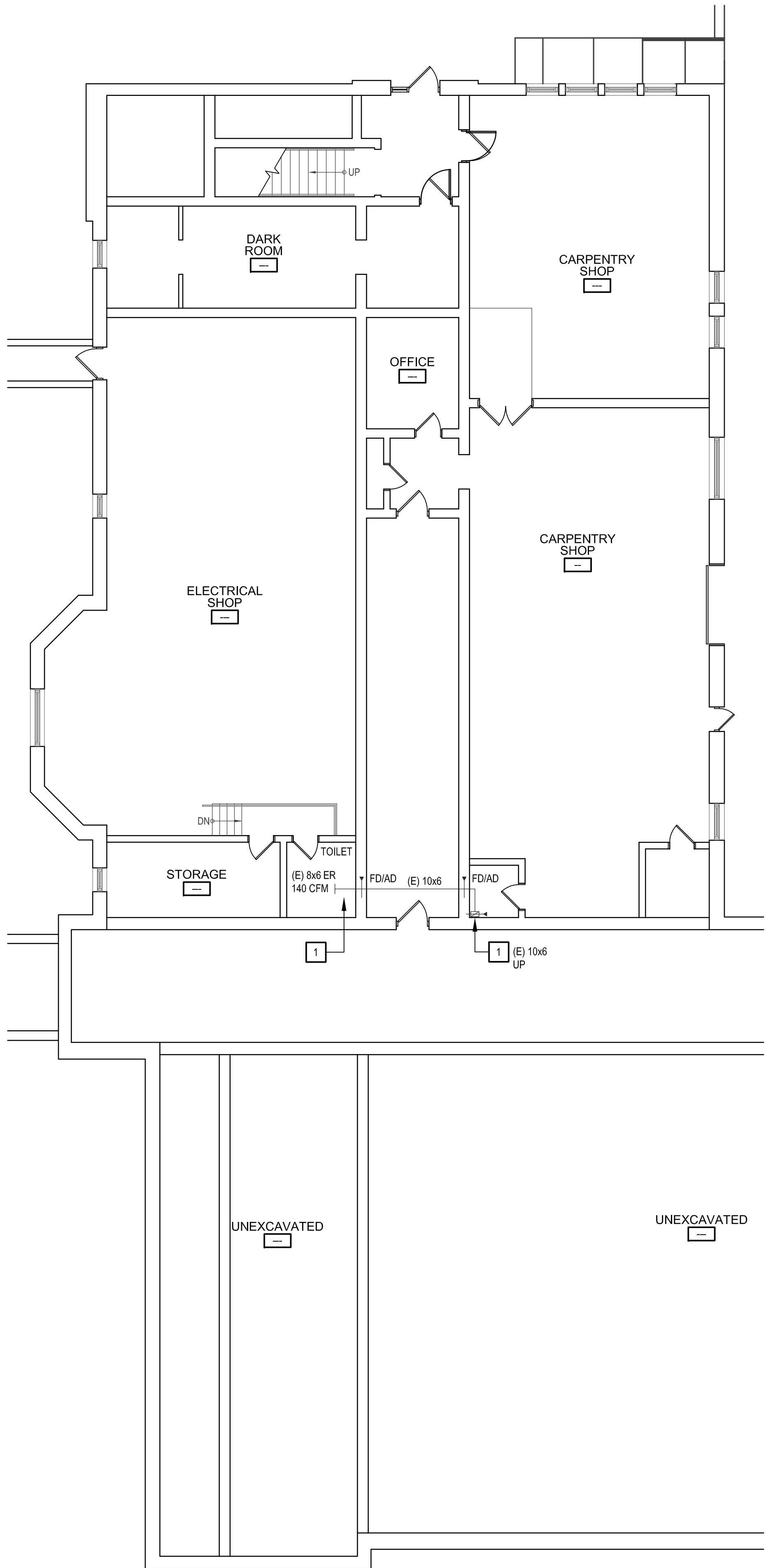
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SHEET TITLE

MECHANICAL
GENERAL NOTES AND LEGENDS

DRAWING NO:

M 001.00



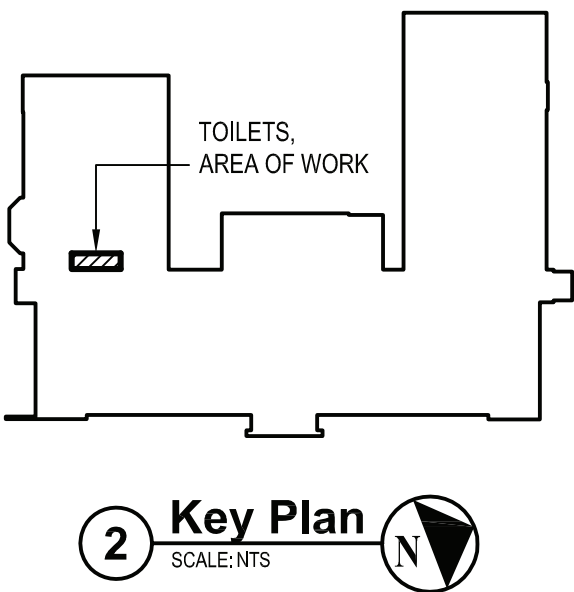
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3. PROTECT ALL EXISTING ROOF OPENINGS DURING CONSTRUCTION. PROVIDE TEMPORARY ENCLOSURES OVER OPENINGS AND MAKE WATERTIGHT UNTIL FINAL DUCTWORK CONNECTIONS ARE MADE AND ALL REQUIRED FLASHING AND COUNTER FLASHING IS INSTALLED.
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6. THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER INCLEMENT AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
7. ALL CONTROL WORK (DEMOLITION OR NEW WORK) SHALL BE COORDINATED WITH "EMF" (ENERGY MANAGEMENT OF FACILITIES, INC.) AT 581 N STATE ROAD, BRIARCLIFF MANOR, NY 10510 - PHONE 914-747-1007. EMF IS A PARTNER OF SCHNEIDER ELECTRIC.

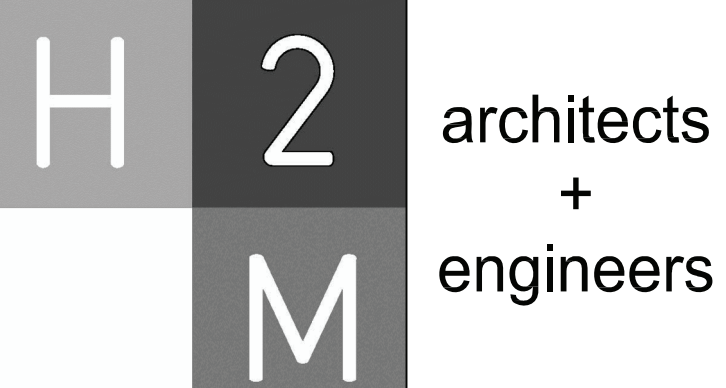
DEMOLITION KEYED WORK NOTES:

- 1 EXISTING TO REMAIN.
- 2 EXISTING DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT ACCESSORIES TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW DUCTWORK.
- 3 EXISTING STEAM & CONDENSATE RETURN PIPING TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW HEATING EQUIPMENT.
- 4 EXISTING STEAM RADIATOR TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING STEAM & CONDENSATE RETURN PIPING.
- 5 EXISTING EXHAUST FAN TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING DUCTWORK.

1 Mechanical Basement Floor Demolition Part Plans
SCALE: 1/8"=1'-0"



2 Key Plan
SCALE: NTS



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CONSULTANTS:

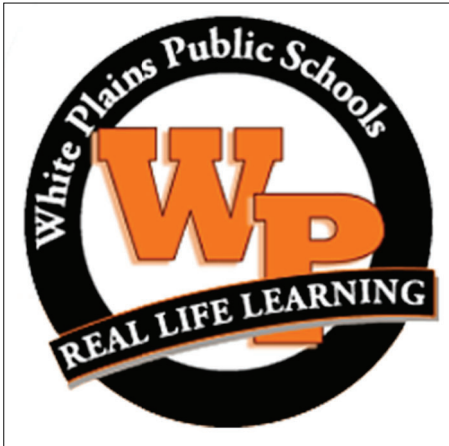
MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



DESIGNED BY: JSK	DRAWN BY: JSK	CHECKED BY:	REVIEWED BY:
PROJECT NO: WPSD 2009	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**Renovations at
Rochambeau Alternative
High School**



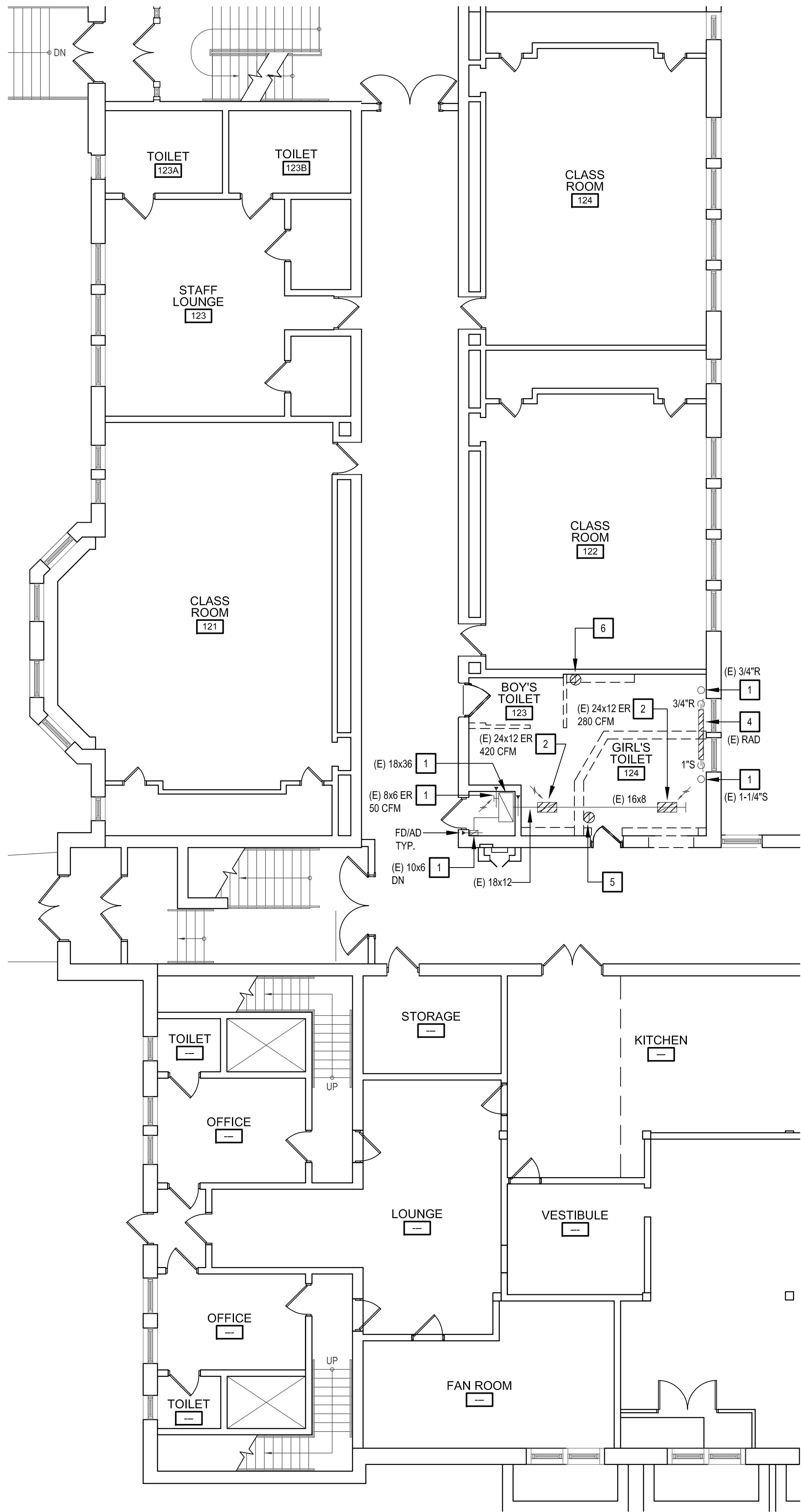
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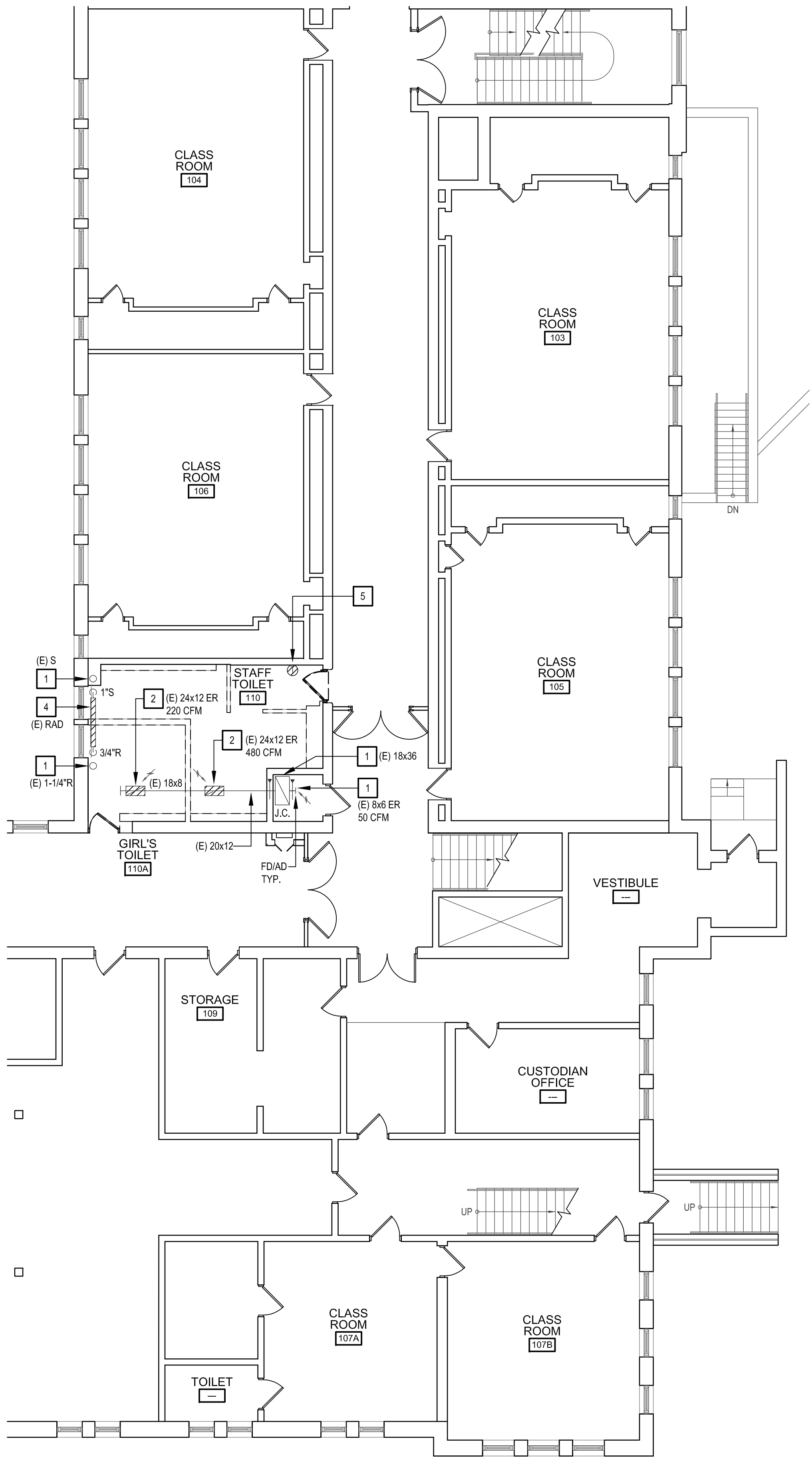
CONTRACT CONTRACT G GENERAL CONSTRUCTION
STATUS FINAL BID DOCUMENT
SHEET TITLE MECHANICAL DEMOLITION PLANS BASEMENT FLOOR

DRAWING NO:
MD 100.00

X:\WPSD (White Plains Central School District) - 106711\WPSD 2009 - Rochambeau Alternative High School Renovations\100.00 - Mechanical Demolition Plans\100.00 - Mechanical Demolition Plans.dwg (11/03/21) 11:03am Plotted on: Nov 03, 2021 12:03pm By: jbsm

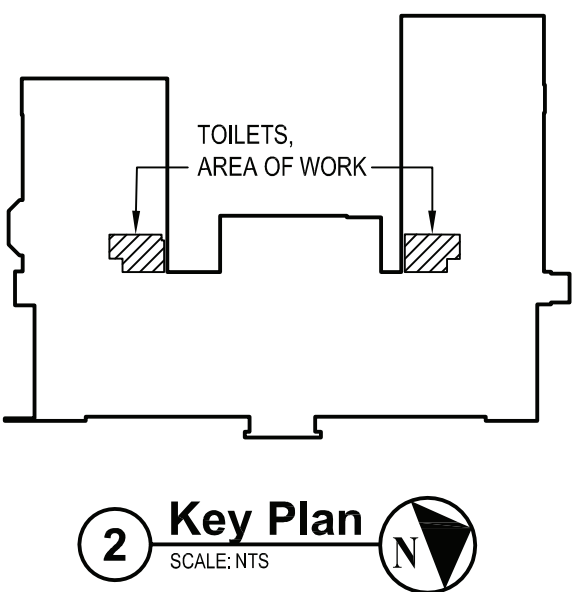


1 Mechanical Ground Floor Demolition Part Plans
SCALE: 1/8"=1'-0"



- GENERAL NOTES:**
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 - 4 EXISTING STEAM RADIATOR TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING STEAM & CONDENSATE RETURN PIPING. RETURN RADIATOR COVER (IF EXISTING IS PROVIDED) TO OWNER.
 - 5 EXISTING ELECTRIC THERMOSTAT (T.A.C.) TO BE DEMOLISHED AND REMOVED (UNDER DIRECTION OF ATC CONTRACTOR). REUSE EXISTING CONTROL POWER SOURCE FOR NEW WORK THERMOSTAT.
 - 6 EXISTING PNEUMATIC THERMOSTAT TO BE DEMOLISHED AND REMOVED (UNDER DIRECTION OF ATC CONTRACTOR).



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CONSULTANTS:

MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET


STATE OF NEW YORK
JOHN C. MORRIS III
LICENSED PROFESSIONAL ENGINEER
057554-1

"ALTERNATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL RELIABLE"

DESIGNED BY: JSK	DRAWN BY: JSK	CHECKED BY:	REVIEWED BY:
PROJECT NO.: WFSD 2009	DATE: NOVEMBER 2021	SCALE: AS SHOWN	

CLIENT
White Plains City School District

**Renovations at
Rochambeau Alternative
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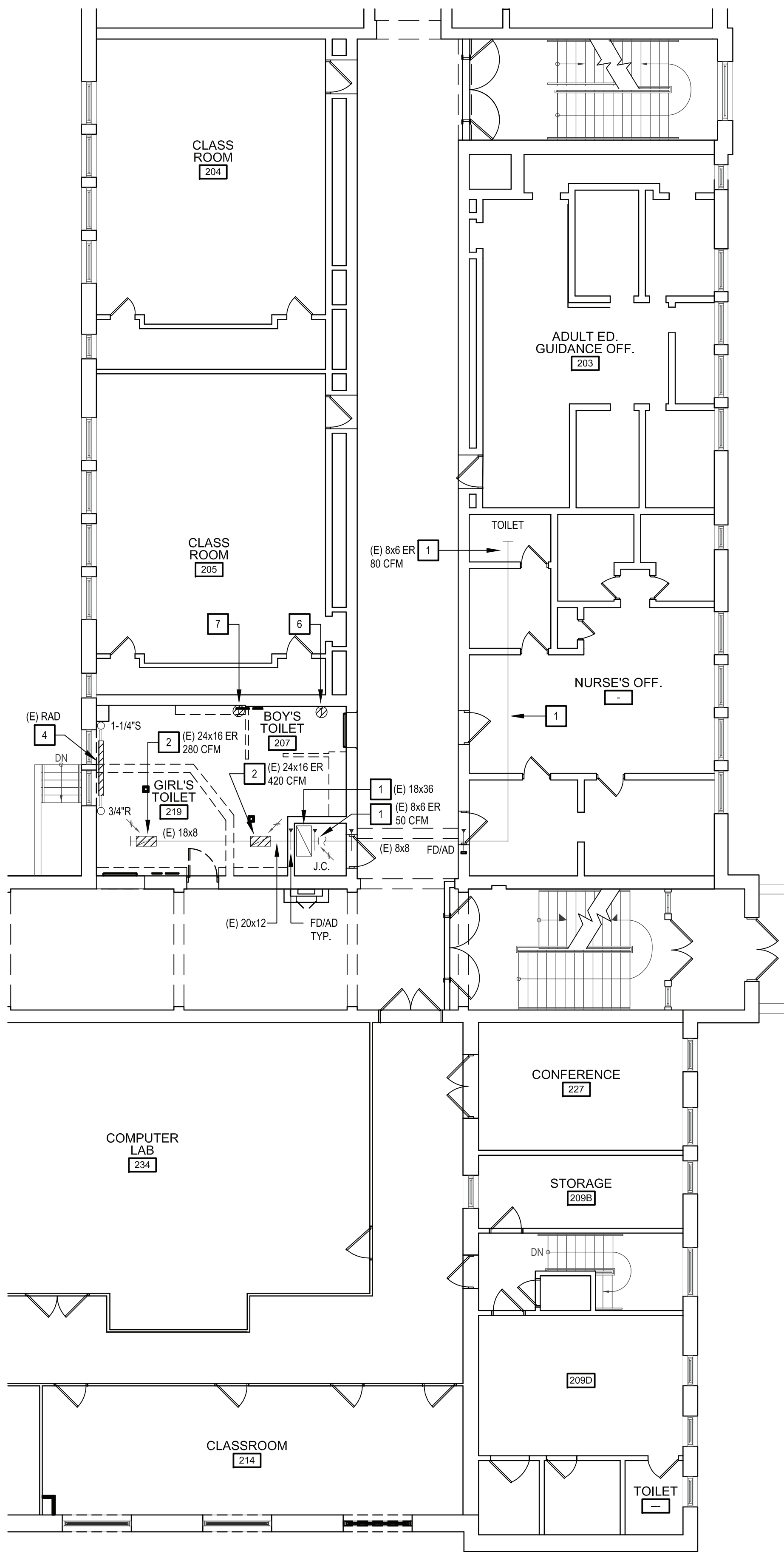
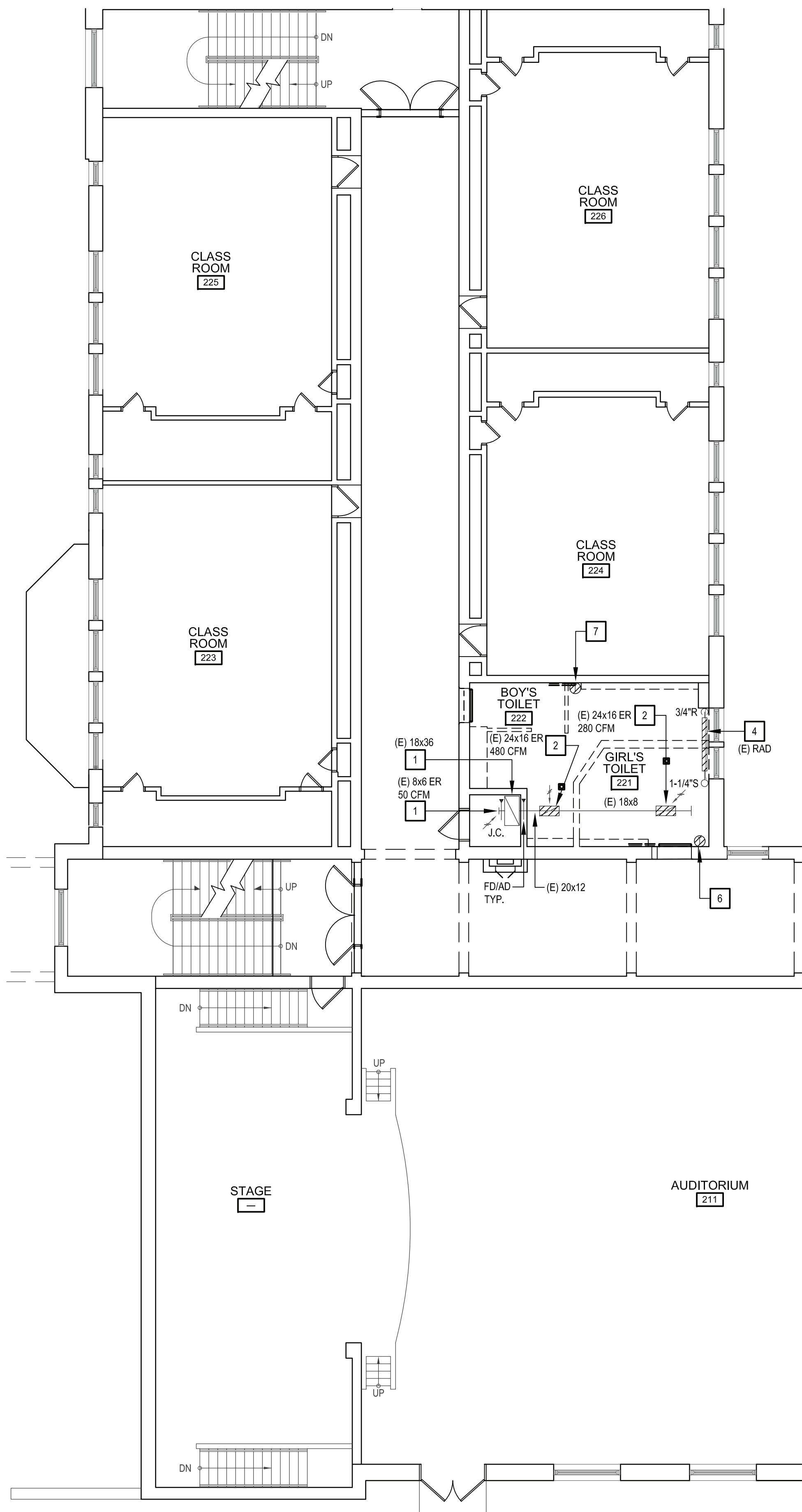
SED No. 66-22-00-01-0-15-019

CONTRACT
**CONTRACT G
GENERAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL
DEMOLITION PLANS
GROUND FLOOR**

DRAWING No.
MD 101.00



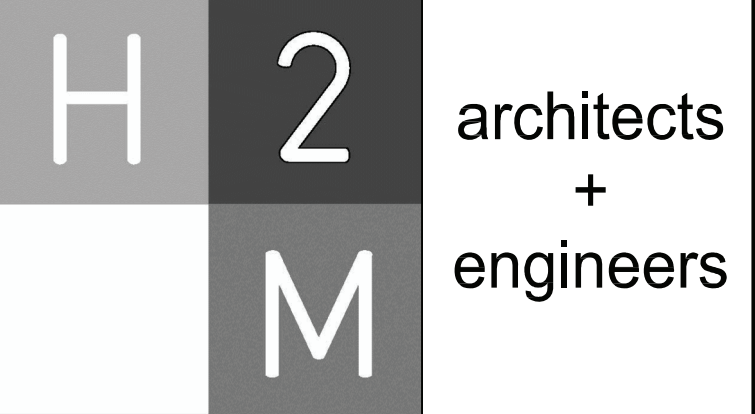
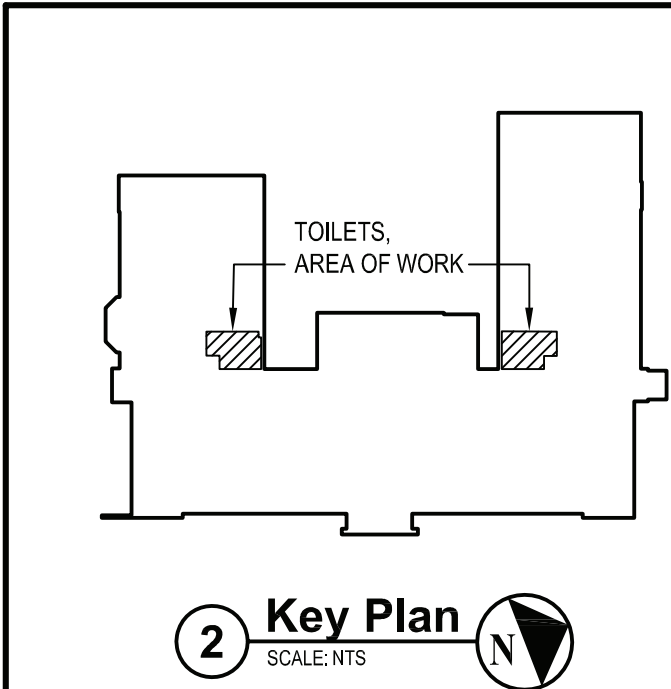
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6. THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER INCLEMENT AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
7. ALL CONTROL WORK (DEMOLITION OR NEW WORK) SHALL BE COORDINATED WITH "EMF" (ENERGY MANAGEMENT OF FACILITIES, INC.) AT 581 N STATE ROAD, BRIARCLIFF MANOR, NY 10510 - PHONE 914-747-1007. EMF IS A PARTNER OF SCHNEIDER ELECTRIC.

DEMOLITION KEYED WORK NOTES:

- 1 EXISTING TO REMAIN.
- 2 EXISTING DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT ACCESSORIES TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW DUCTWORK.
- 3 EXISTING STEAM & CONDENSATE RETURN PIPING TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW HEATING EQUIPMENT.
- 4 EXISTING STEAM RADIATOR TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING STEAM & CONDENSATE RETURN PIPING.
- 5 EXISTING EXHAUST FAN TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING DUCTWORK.
- 6 EXISTING ELECTRIC THERMOSTAT (CYPRESS ENVIROSYSTEMS) IN PLASTIC GUARD TO BE DEMOLISHED AND REMOVED (UNDER DIRECTION OF ATC CONTRACTOR). REUSE EXISTING CONTROL POWER SOURCE FOR NEW WORK THERMOSTAT.
- 7 EXISTING PNEUMATIC THERMOSTAT TO BE DEMOLISHED AND REMOVED (UNDER DIRECTION OF ATC CONTRACTOR).

1 Mechanical 1st Floor Demolition Part Plans
SCALE: 1/8"=1'-0"



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Melville, NY 11747
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CONSULTANTS:

MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET

DESIGNED BY: JSK
PROJECT NO.: WPSD 2009

DRAWN BY: JSK
DATE: NOVEMBER 2021

CHECKED BY:
SCALE: AS SHOWN

REVIEWED BY:

CLIENT

White Plains City School District

**Renovations at
Rochambeau Alternative
High School**

228 Fisher Avenue
White Plains, NY 10606

SED No. 66-22-00-01-0-15-019

CONTRACT

**CONTRACT G
GENERAL CONSTRUCTION**

STATUS

FINAL BID DOCUMENT

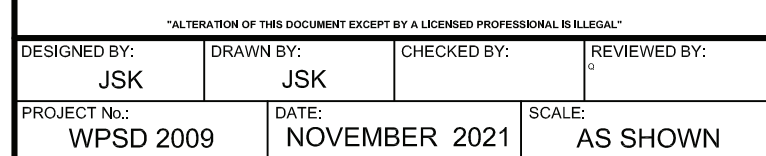
SHEET TITLE

**MECHANICAL
DEMOLITION PLANS
1ST FLOOR**

DRAWING No.

MD 102.00

MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



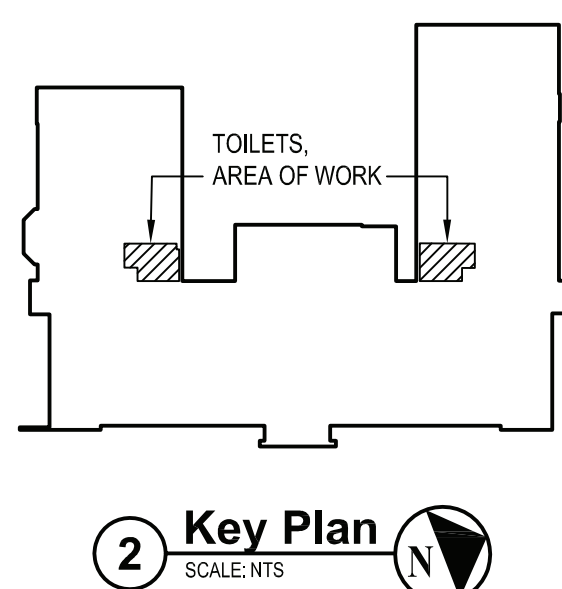
Renovations at Rochambeau Alternative High School



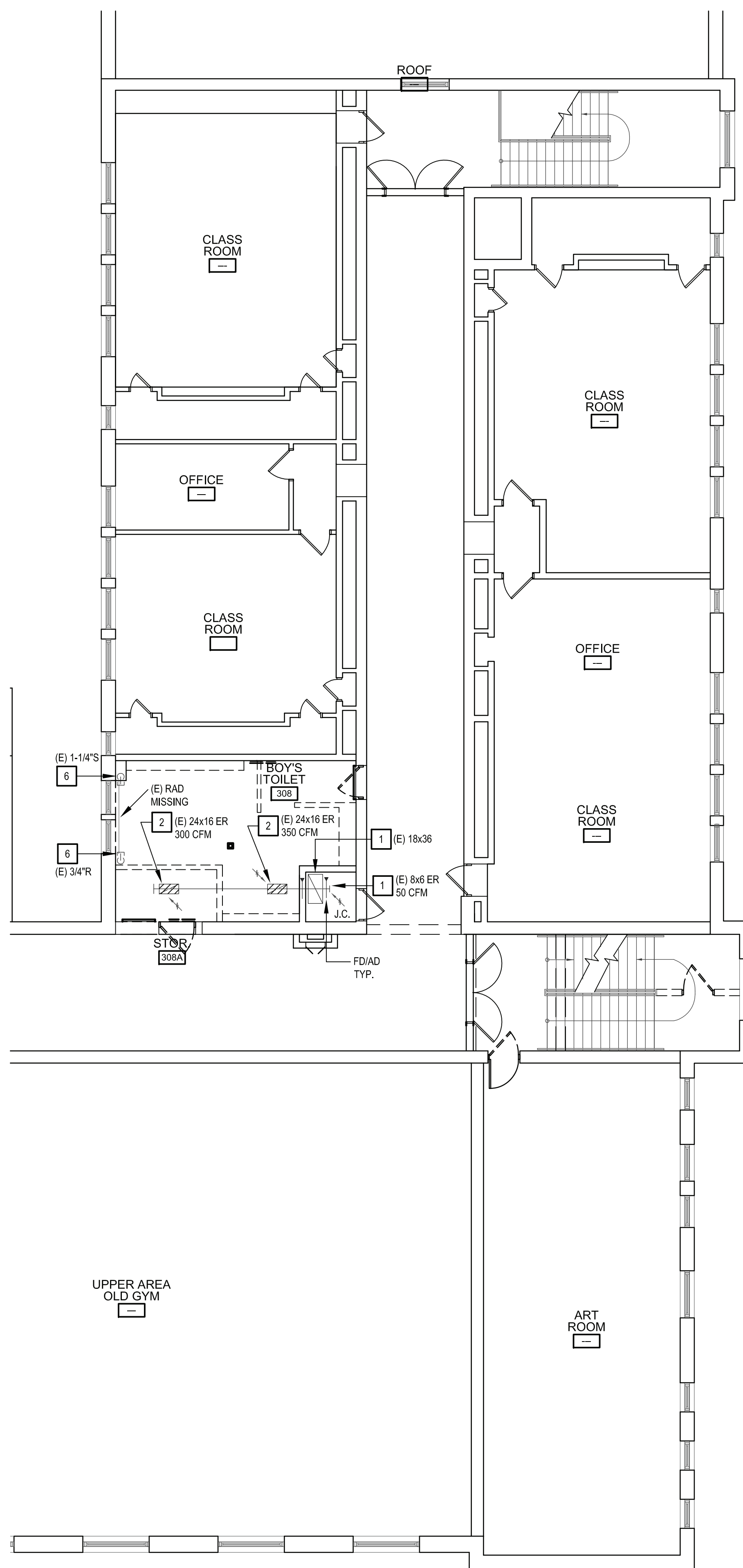
DRAWING No. **MD 103.00**

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE PRE-WORK AIR BALANCE READINGS OF EXISTING SPACES SERVED BY AFFECTED TOILET ROOM RENOVATIONS. PRIOR TO DEMOLITION WORK, TO BE SUBMITTED TO THE ENGINEER FOR REVIEW. AFTER INSTALLATION, THE CONTRACTOR SHALL BALANCE NEW SYSTEMS TO MATCH PRE-WORK AIR BALANCE READINGS IF APPLICATION OR CFM VALUES LISTED ON THE NEW WORK PLANS.
2. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER AND PROVIDE WEEKLY CONSTRUCTION SCHEDULES. THE OWNER WILL SHUT DOWN THE BUILDING FOR PART OF A DAY OR A FULL DAY DURING CERTAIN CONSTRUCTION ACTIVITIES SUCH AS RIGGING, WELDING, OR SOLDERING.
3. PROTECT ALL EXISTING ROOF OPENINGS DURING CONSTRUCTION. PROVIDE TEMPORARY ENCLOSURES OVER OPENINGS AND MAKE WATERTIGHT UNTIL FINAL DUCTWORK CONNECTIONS ARE MADE AND ALL REQUIRED FLASHING AND COUNTER FLASHING IS INSTALLED.
4. OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE TOWN.
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7. ALL CONTROL WORK (DEMOLITION OR NEW WORK) SHALL BE COORDINATED WITH TEMP (ENERGY MANAGEMENT OF FACILITIES, INC.) AT 561 N STATE ROAD BRIARCLIFF MANOR, NY 10510 - PHONE 914-747-1007. EMF IS A PARTNER OF SCHNEIDER ELECTRIC.

- 1 EXISTING TO REMAIN.
- 2 EXISTING DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT ACCESSORIES TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW DUCTWORK.
- 3 EXISTING STEAM & CONDENSATE RETURN PIPING TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW HEATING EQUIPMENT.
- 4 EXISTING STEAM RADIATOR TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING STEAM & CONDENSATE RETURN PIPING. RETURN RADIATOR COVER (IF EXISTING IS PROVIDED) TO OWNER.
- 5 EXISTING ELECTRIC THERMOSTAT (T.A.C.) TO BE DEMOLISHED AND REMOVED (UNDER DIRECTION OF ATC CONTRACTOR); REUSE EXISTING CONTROL POWER SOURCE FOR NEW WORK THERMOSTAT.
- 6 EXISTING STEAM RADIATOR WAS PREVIOUSLY REMOVED. ROOM HAS NO HEAT. EXISTING STEAM & CONDENSATE RETURN PIPING IS CAPPED IN ROOM.



2 Key Plan
SCALE: NTS



CONSULTANTS:		

MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET

"ALL PORTION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS LEGAL"

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JSK	JSK		
PROJECT NO:	DATE:	SCALE:	
WPSD 2009	NOVEMBER 2021	AS SHOWN	

CLIENT

White Plains City School District

228 Fisher Avenue
White Plains, NY 10606

SED No. 66-22-00-01-0-15-019

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

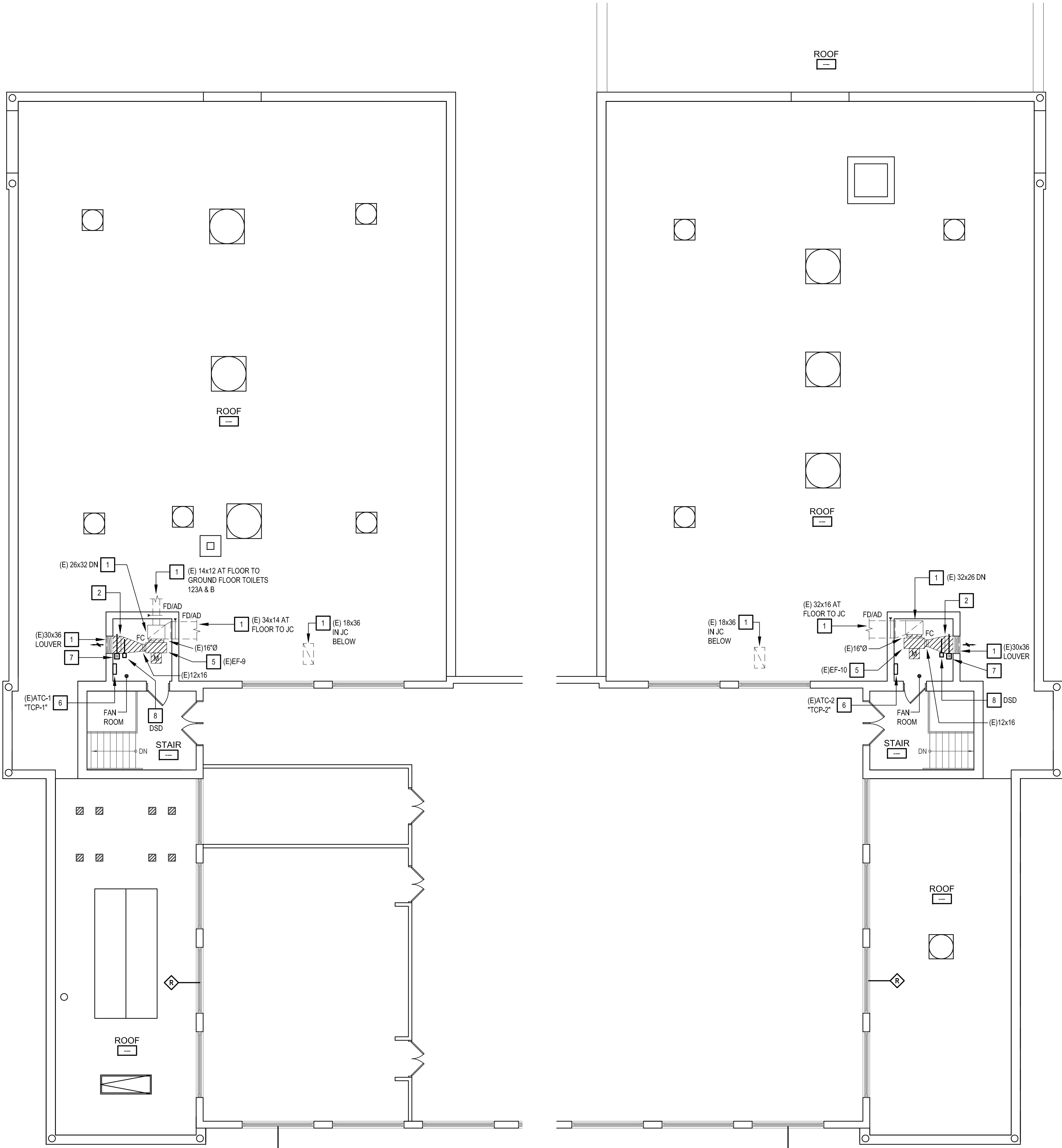
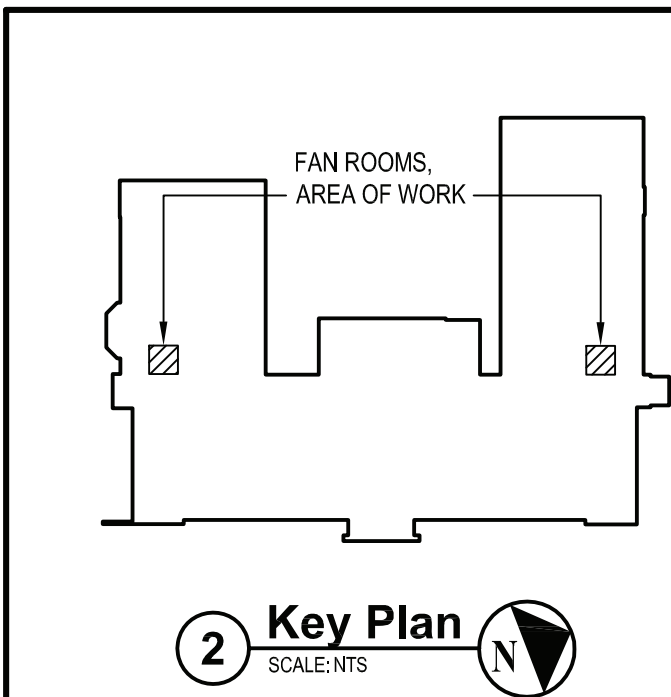
MECHANICAL
DEMOLITION PLANS
3RD FLOOR

DRAWING NO.

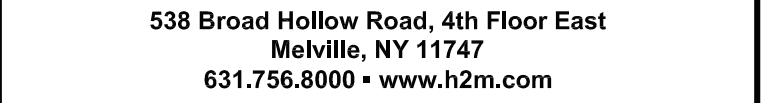
MD 104.00

- GENERAL NOTES:
- THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE PRE-WORK AIR BALANCE READINGS OF EXISTING SPACES SERVED BY AFFECTED TOILET ROOM RENOVATIONS, PRIOR TO DEMOLITION WORK, TO BE SUBMITTED TO THE ENGINEER FOR REVIEW. AFTER INSTALLATION, THE CONTRACTOR SHALL BALANCE NEW SYSTEMS TO MATCH PRE-WORK AIR BALANCE READINGS IF APPLICATION OR CFM VALUES LISTED ON THE NEW WORK PLANS.
 - CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER AND PROVIDE WEEKLY CONSTRUCTION SCHEDULES. THE OWNER WILL SHUT DOWN THE BUILDING FOR PART OF A DAY OR A FULL DAY DURING CERTAIN CONSTRUCTION ACTIVITIES SUCH AS RIGGING, WELDING, OR SOLDERING.
 - PROTECT ALL EXISTING ROOF OPENINGS DURING CONSTRUCTION. PROVIDE TEMPORARY ENCLOSURES OVER OPENINGS AND MAKE WATERTIGHT UNTIL FINAL DUCTWORK CONNECTIONS ARE MADE AND ALL REQUIRED FLASHING AND COUNTER FLASHING IS INSTALLED.
 - OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE TOWN.
 - THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT, FIXTURES AND FINISHES THROUGHOUT CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED.
 - THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER INCLEMENT AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
 - ALL CONTROL WORK (DEMOLITION OR NEW WORK) SHALL BE COORDINATED WITH "EMF" (ENERGY MANAGEMENT OF FACILITIES, INC.) AT 581 N STATE ROAD, BRIARCLIFF MANOR, NY 10510 - PHONE 914-747-1007. EMF IS A PARTNER OF SCHNEIDER ELECTRIC.


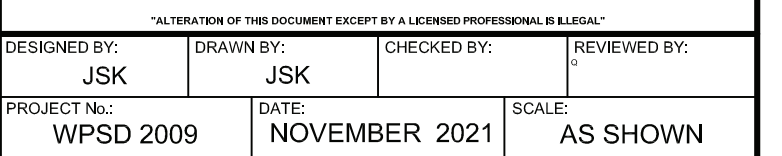
- DEMOLITION KEYED WORK NOTES:
- EXISTING TO REMAIN.
 - EXISTING DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT ACCESSORIES TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW DUCTWORK.
 - EXISTING STEAM & CONDENSATE RETURN PIPING TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO NEW HEATING EQUIPMENT.
 - EXISTING STEAM RADIATOR TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING STEAM & CONDENSATE RETURN PIPING.
 - EXISTING EXHAUST FAN TO BE DEMOLISHED AND REMOVED TO POINT INDICATED AND AS REQUIRED FOR CONNECTION TO EXISTING DUCTWORK.
 - EXISTING AUTOMATIC TEMPERATURE CONTROL PANEL SHALL BE MODIFIED & UPGRADED AS REQUIRED FOR REMOVAL OF EXISTING EXHAUST FAN & MOTORIZED DAMPER AND INSTALLATION OF NEW EXHAUST FAN.
 - EXISTING MOTORIZED DAMPER (INTERLOCKED WITH EXHAUST FAN) TO BE DEMOLISHED AND REMOVED. CONTRACTOR TO VERIFY CONDITION OF EXISTING DAMPER & ACTUATOR TO SEE IF IT CAN BE REUSED. REUSE EXISTING CONTROL POWER SOURCE (VERIFY 120V OR 24V).
 - EXISTING DUCT SMOKE DETECTOR SHALL BE REUSED, DISCONNECTED, AND RECONNECTED FOR THE NEW WORK.



1 Mechanical 3rd Floor Demolition Part Plans
SCALE: 1/8"=1'-0"



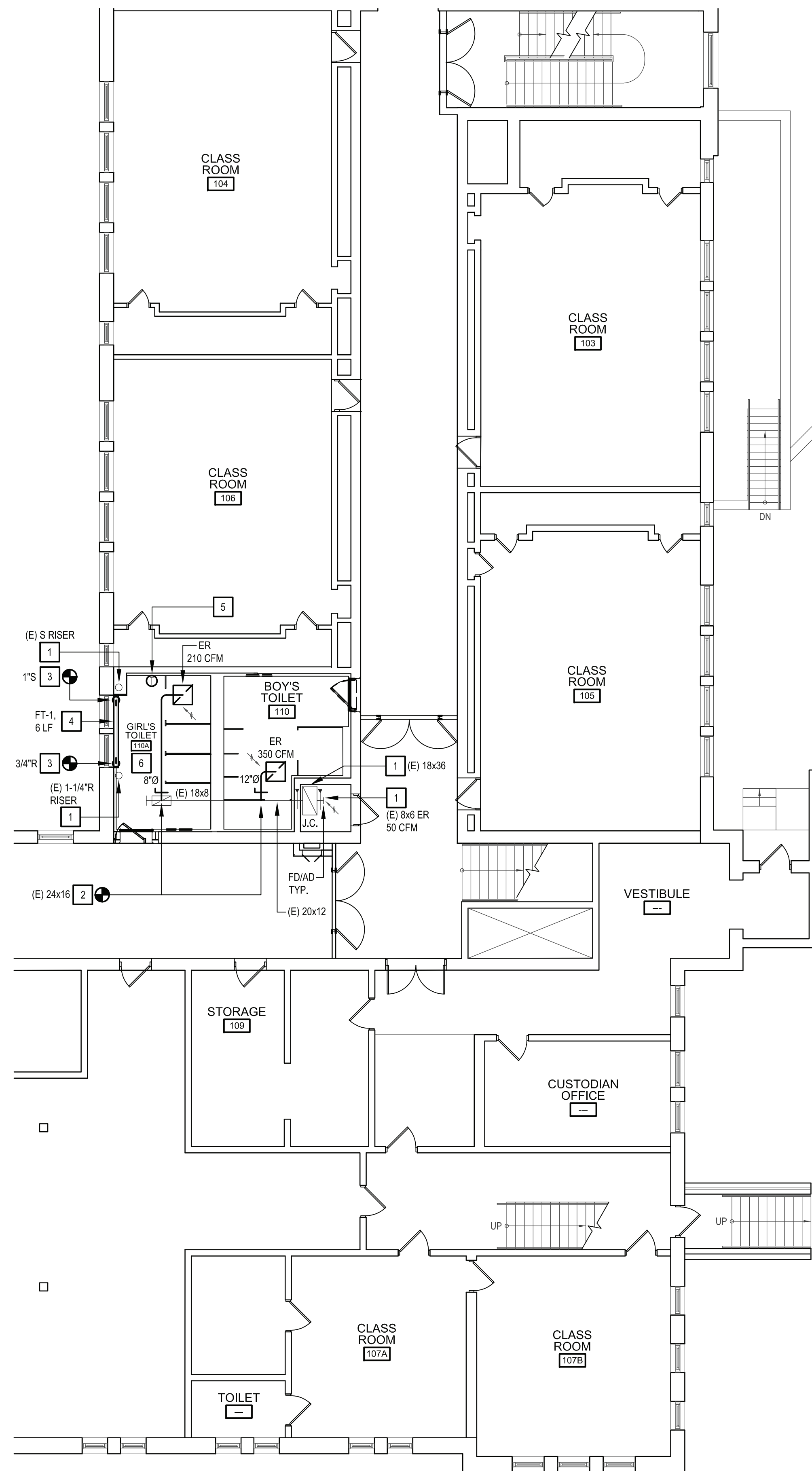
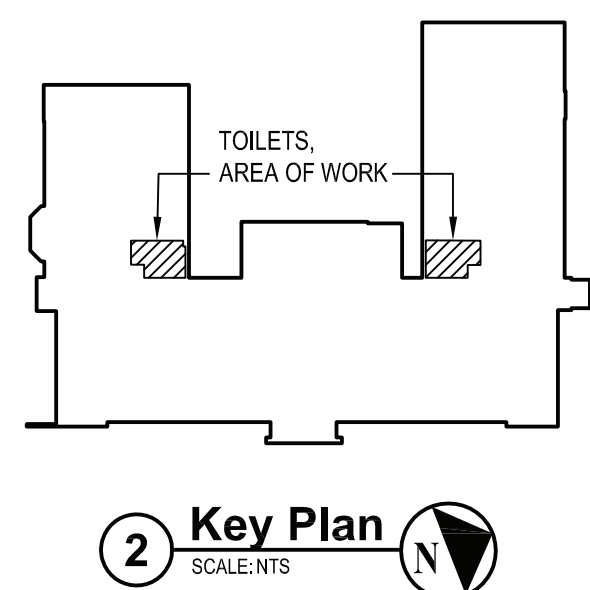
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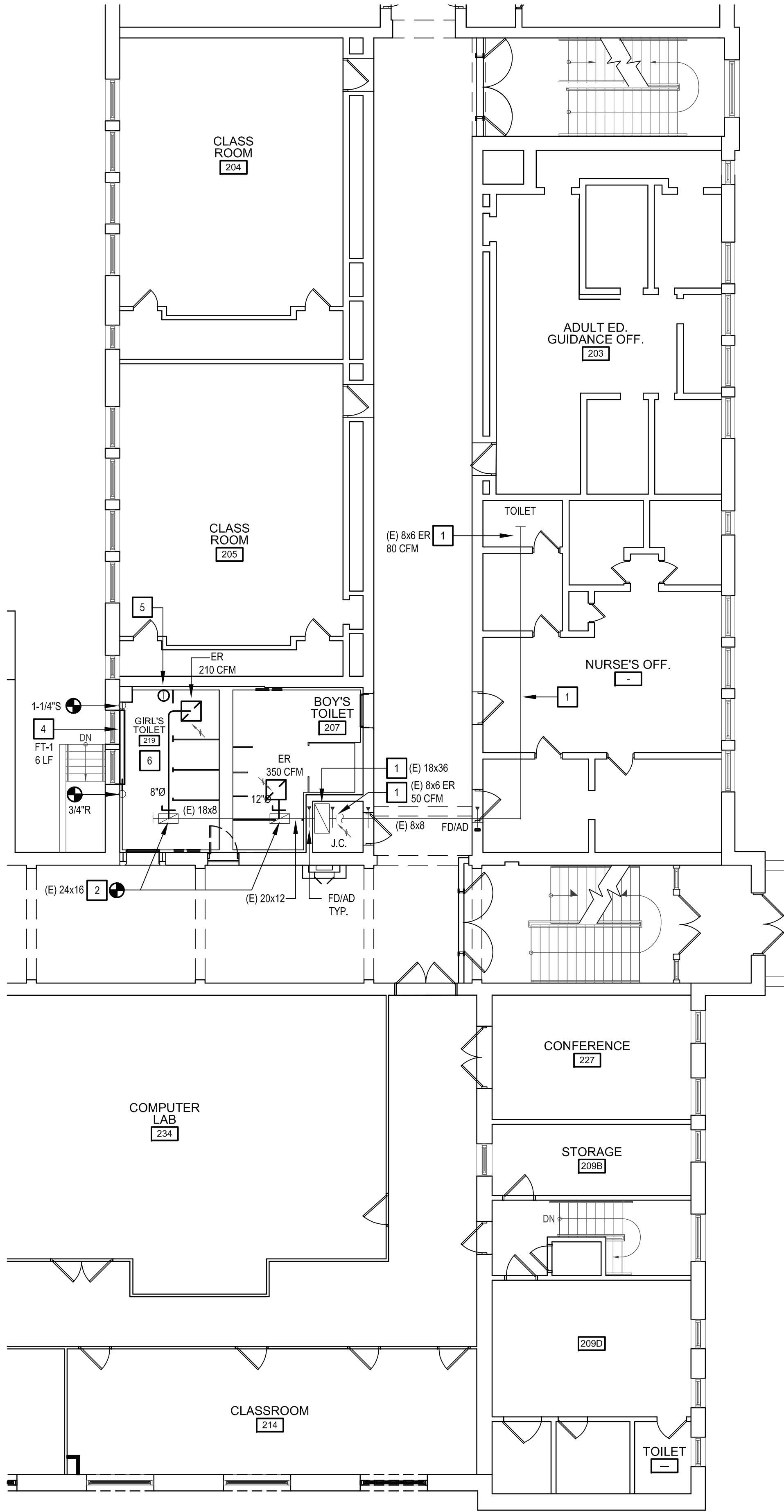
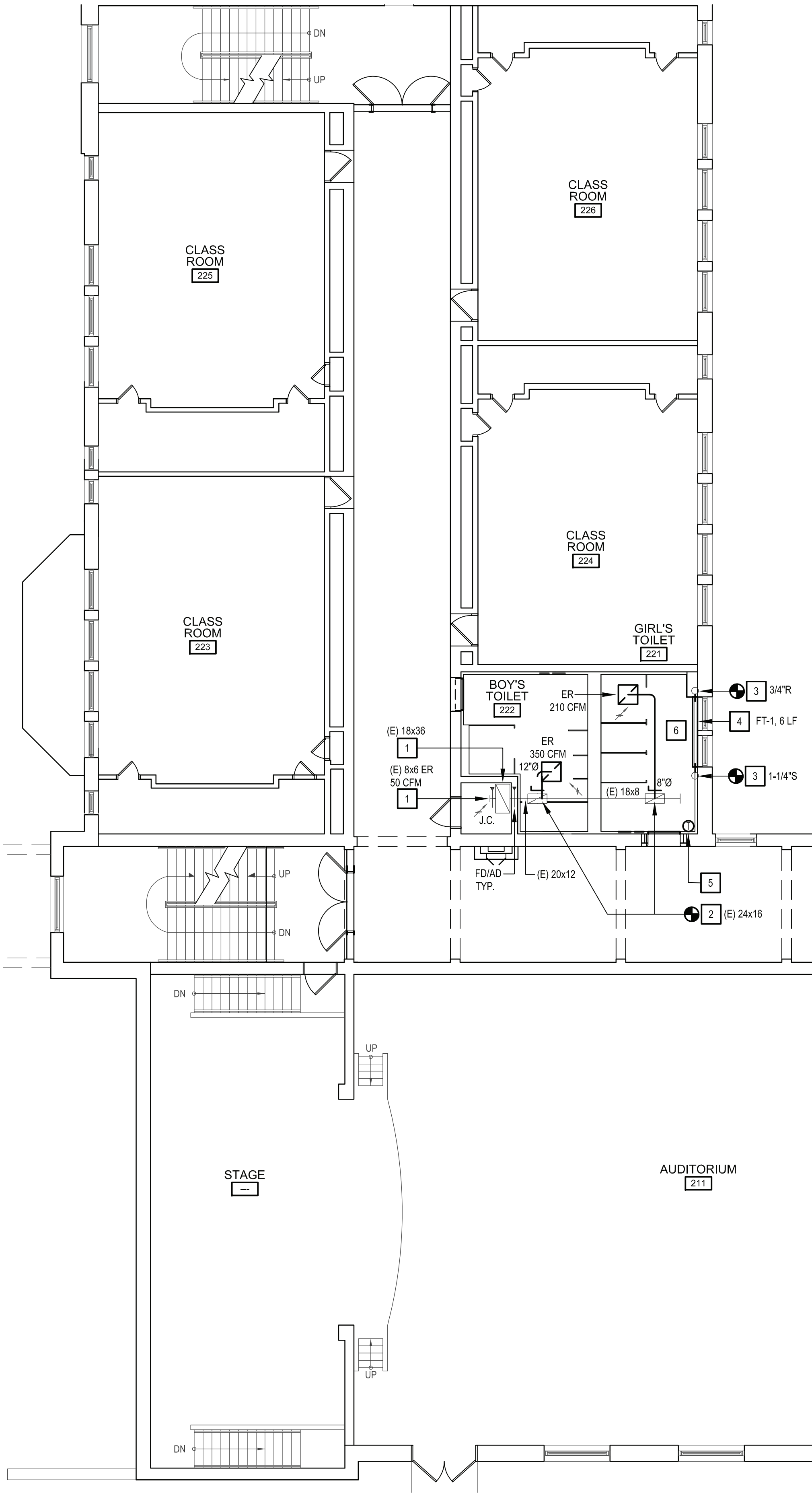
SED No. 66-22-00-01-0-15-019

DRAWING No. **M 101.00**

- KEYED WORK NOTES:**
- 1 EXISTING TO REMAIN.
 - 2 FURNISH AND INSTALL DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT ACCESSORIES AS REQUIRED FOR CONNECTION TO EXISTING DUCTWORK.
 - 3 FURNISH AND INSTALL STEAM & CONDENSATE RETURN PIPING, VALVES, TRAPS, CONTRACTOR TO COORDINATE PIPING WITH CONNECTION TO NEW HEATING EQUIPMENT.
 - 4 FURNISH AND INSTALL STEAM FIN TUBE, CONTRACTOR TO COORDINATE FIN TUBE WITH EXISTING STEAM & CONDENSATE RETURN PIPING CONNECTIONS.
 - 5 FURNISH AND INSTALL AN ELECTRIC THERMOSTAT IN PLASTIC GUARD (UNDER DIRECTION OF ATC CONTRACTOR).
 - 6 FURNISH AND INSTALL FOR ALL EXPOSED EXISTING AND NEW STEAM AND CONDENSATE PIPING, A FIELD-APPLIED HEAVY-DUTY PVC WHITE JACKET & FITTING COVERS BY ZESTON OR APPROVED EQUAL.

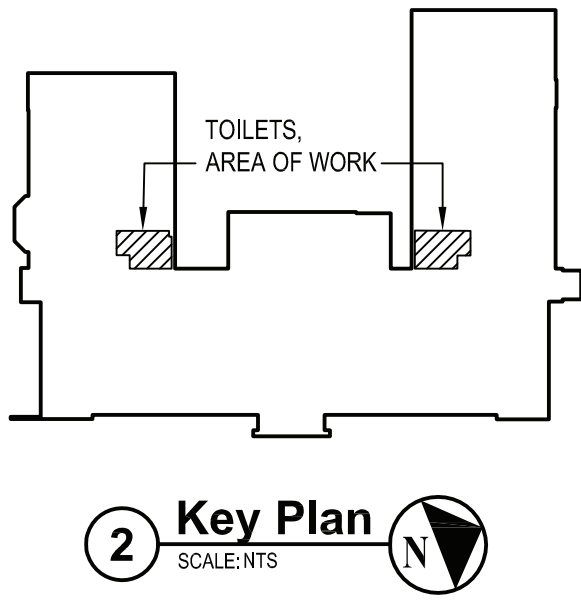


1 Mechanical Ground Floor Part Plans



- GENERAL NOTES:**
- THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE PRE-WORK AIR BALANCE READINGS OF EXISTING SPACES SERVED BY AFFECTED TOILET ROOM RENOVATIONS. PRIOR TO DEMOLITION WORK, TO BE SUBMITTED TO THE ENGINEER FOR REVIEW. AFTER INSTALLATION, THE CONTRACTOR SHALL BALANCE NEW SYSTEMS TO MATCH PRE-WORK AIR BALANCE READINGS IF APPLICATION OR CFM VALUES LISTED ON THE NEW WORK PLANS.
 - CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER AND PROVIDE WEEKLY CONSTRUCTION SCHEDULES. THE OWNER WILL SHUT DOWN THE BUILDING FOR PART OF A DAY OR A FULL DAY DURING CERTAIN CONSTRUCTION ACTIVITIES SUCH AS RIGGING, WELDING, OR SOLDERING.
 - PROTECT ALL EXISTING ROOF OPENINGS DURING CONSTRUCTION. PROVIDE TEMPORARY ENCLOSURES OVER OPENINGS AND MAKE WATERTIGHT UNTIL FINAL DUCTWORK CONNECTIONS ARE MADE AND ALL REQUIRED FLASHING AND COUNTER FLASHING IS INSTALLED.
 - OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE TOWN.
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 - THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER INCLEMENT AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
 - ALL CONTROL WORK (DEMOLITION OR NEW WORK) SHALL BE COORDINATED WITH "EMF" (ENERGY MANAGEMENT OF FACILITIES, INC.) AT 561 N STATE ROAD, BRIARCLIFF MANOR, NY 10510 - PHONE 914-747-1007. EMF IS A PARTNER OF SCHNEIDER ELECTRIC.

- KEYED WORK NOTES:**
- EXISTING TO REMAIN.
 - FURNISH AND INSTALL DUCTWORK, EXHAUST GRILLES, & ASSOCIATED DUCT ACCESSORIES AS REQUIRED FOR CONNECTION TO EXISTING DUCTWORK.
 - FURNISH AND INSTALL STEAM & CONDENSATE RETURN PIPING, VALVES, TRAPS. CONTRACTOR TO COORDINATE PIPING WITH CONNECTION TO NEW HEATING EQUIPMENT.
 - FURNISH AND INSTALL STEAM FIN TUBE. CONTRACTOR TO COORDINATE FIN TUBE WITH EXISTING STEAM & CONDENSATE RETURN PIPING CONNECTIONS.
 - FURNISH AND INSTALL AN ELECTRIC THERMOSTAT IN PLASTIC GUARD (UNDER DIRECTION OF ATC CONTRACTOR).
 - FURNISH AND INSTALL FOR ALL EXPOSED EXISTING AND NEW STEAM AND CONDENSATE PIPING. A FIELD-APPLIED HEAVY-DUTY PVC WHITE JACKET & FITTING COVERS BY ZESTON OR APPROVED EQUAL.



1 Mechanical 1st Floor Part Plans
SCALE: 1/8"=1'-0"

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

538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

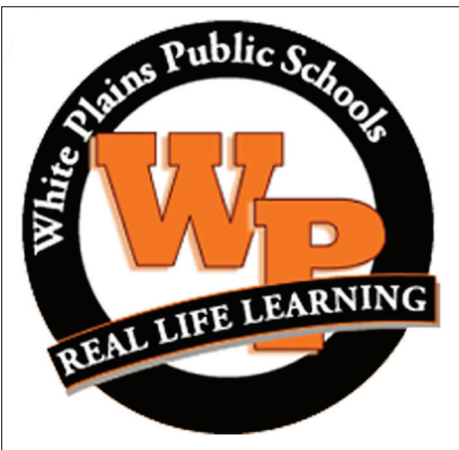
MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JSK	JSK		
PROJECT NO.:	DATE:	SCALE:	
WPSD 2009	NOVEMBER 2021	AS SHOWN	

CLIENT
White Plains City School District

**Renovations at
Rochambeau Alternative
High School**



**228 Fisher Avenue
White Plains, NY 10606**

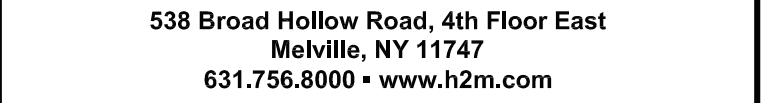
SED No. 66-22-00-01-0-15-019

CONTRACT
**CONTRACT G
GENERAL CONSTRUCTION**

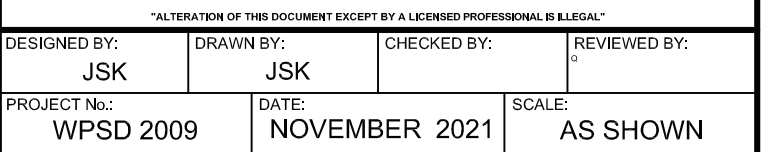
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FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL
PLANS
1ST FLOOR**

DRAWING No.
M 102.00



MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



**228 Fisher Avenue
White Plains, NY 10606**

CONTRACT

CONTRACT G

GENERAL CONSTRUCTION

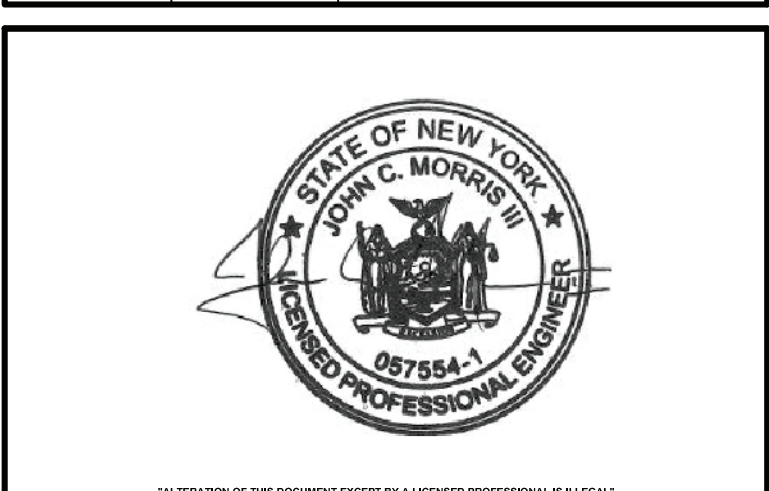
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DRAWING No.

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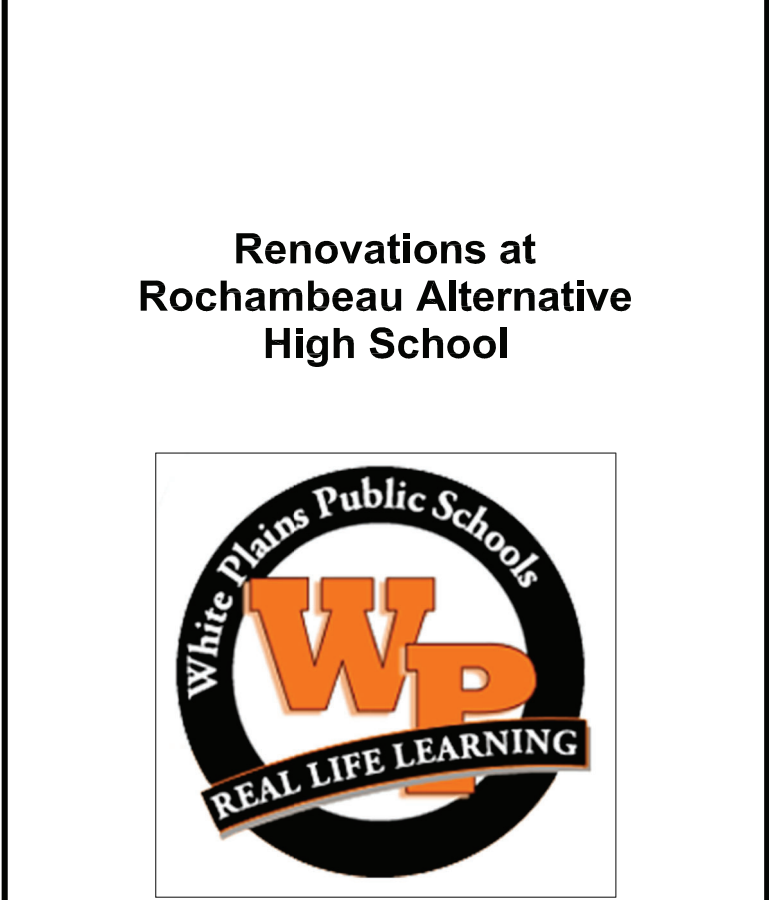
CONSULTANTS:		

MARK	DATE	DESCRIPTION
-	11-03-21	FINAL BID SET



DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JSK	JSK		
PROJECT NO:	DATE:	SCALE:	
WPSD 2009	NOVEMBER 2021	AS SHOWN	

CLIENT
White Plains City School District



228 Fisher Avenue
White Plains, NY 10606

SED No. 66-22-00-01-0-15-019

CONTRACT
**CONTRACT G
GENERAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**MECHANICAL
PLANS
3RD FLOOR**

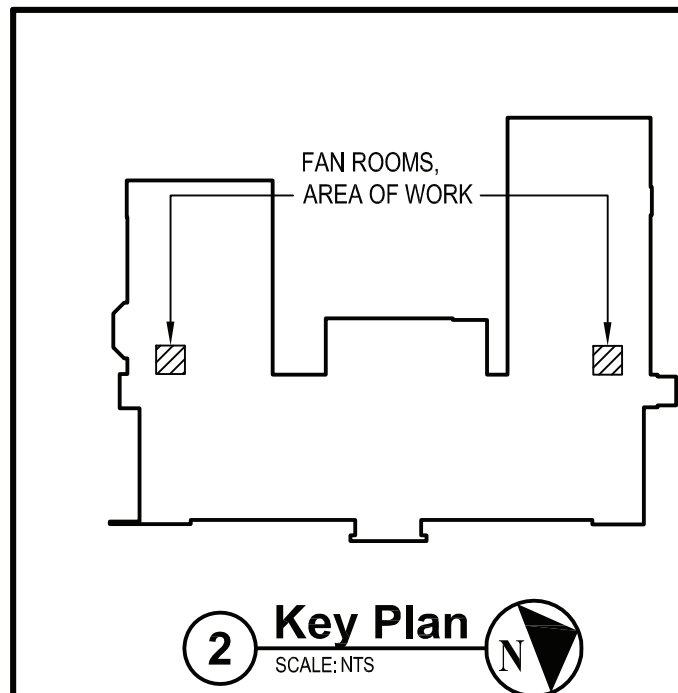
DRAWING NO.
M 104.00

GENERAL NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE PRE-WORK AIR BALANCE READINGS OF EXISTING SPACES SERVED BY AFFECTED TOILET ROOM RENOVATIONS, PRIOR TO DEMOLITION WORK, TO BE SUBMITTED TO THE ENGINEER FOR REVIEW. AFTER INSTALLATION, THE CONTRACTOR SHALL BALANCE NEW SYSTEMS TO MATCH PRE-WORK AIR BALANCE READINGS IF APPLICATION OR CFM VALUES LISTED ON THE NEW WORK PLANS.
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KEYED WORK NOTES:

- EXISTING TO REMAIN.
- CONNECT NEW DUCTWORK TO EXISTING DUCTWORK AND/OR EXISTING DISCHARGE LOUVER.
- FURNISH AND INSTALL EXHAUST FAN AND CONNECT TO EXISTING TO EXISTING DUCTWORK AND DISCHARGE LOUVER.
- EXISTING AUTOMATIC TEMPERATURE CONTROL PANEL SHALL BE MODIFIED & UPGRADED AS REQUIRED FOR INSTALLATION AND ATC INTERFACE OF NEW EXHAUST FAN.
- EXISTING DUCT SMOKE DETECTOR SHALL BE REUSED, DISCONNECTED, AND RECONNECTED FOR THE NEW WORK.
- FURNISH AND INSTALL MOTORIZED DAMPER (INTERLOCKED WITH NEW EXHAUST FAN) UNLESS CONTRACTOR VERIFIES THAT EXISTING MOTORIZED DAMPER IS IN GOOD SHAPE AND CAN BE REUSED. OTHERWISE NEW DAMPER SHALL BE GREENHECK MODEL VCD-23 WITH BLADE & JAMB SEALS OR APPROVED EQUAL. REUSE EXISTING CONTROL POWER SOURCE (VERIFY 120V OR 24V).



1 Mechanical 3rd Floor Part Plans
SCALE: 1/8"=1'-0"

