Generator and Electrical Equipment Replacement JUDI'I'H A. RESNIK ELEMEN'I'ARY SCHOOT 7301 HADLEY FARMS DRIVE, GAITHERSBURG, MD 20879 Montgomery County Public Schools

TITLE SHEET

PART FLOOR PLAN - AREA B - DEMOLITION PART FLOOR PLAN - AREA B - NEW WORK

PART FLOOR PLAN - AREA A - DEMOLITION

PART FLOOR PLAN - AREA B - DEMOLITION

PART FLOOR PLAN - AREA C $\,$ - DEMOLITION

PART FLOOR PLAN - AREA C - NEW WORK

PART FLOOR PLAN - AREA D - NEW WORK

SCHEDULES AND DIAGRAMS

SYMBOLS LIST, ABBREVIATIONS, DIAGRAMS, AND DETAILS

MECHANICA

ELECTRICAL

11155 RED RUN BOULEVARD, SUITE 310 BALTIMORE, MARYLAND 21117 PHONE: 410.265.6100

VICINITY PLAN

DRAWING INDEX

PROFESSIONAL CERTIFICATION

These contract documents for Judith A. Resnik Elementary School were prepared under my supervision and to the best of my knowledge, information, and belief, they comply with the relevant building codes of the





James Posey

Associates

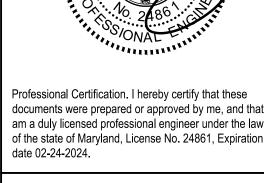
APPLICABLE CODES & STANDARDS

INTERNATIONAL BUILDING CODE INTERNATIONAL MECHANICAL CODE

INTERNATIONAL PLUMBING CODE WITH WSSC AMENDMENTS

ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS

NATIONAL ELECTRICAL CODE ASHRAE 2017-2020 HANDBOOKS

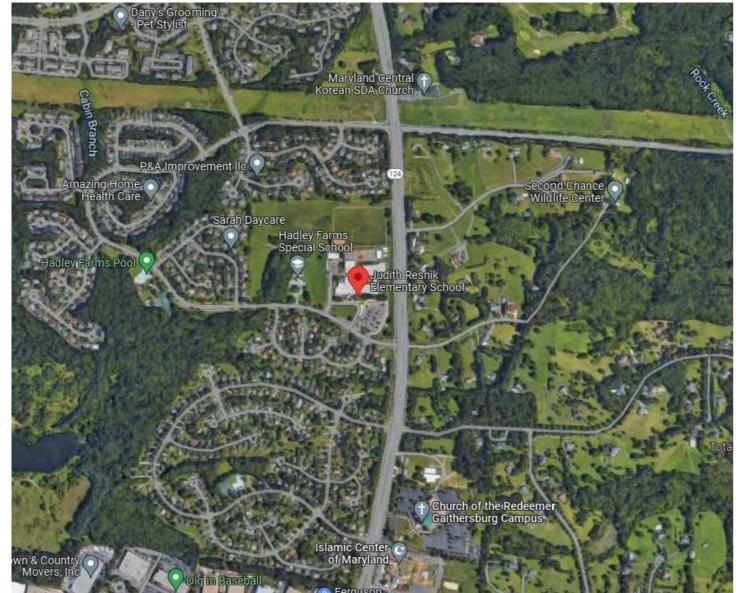


Mechanical & Electrical

Consulting Engineers 11155 Red Run Boulevard, Suite 310

Baltimore, Maryland 21117 tel 410-265-6100 jamesposey.com

AERIAL SITE PLAN



CODE ANALYSIS BOARD OF EDUCATION

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GARY MOSESMAN	

SUPERINTENDENT

DIRECTOR I, DIVISION OF DESIGN & CONSTRUCTION

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LYNNE HARRIS AT-LARGE DISTRICT 3 JULIE YANG MRS. REBECCA SMONDROWSKI DISTRICT 2 STUDENT MEMBER MR. ARVIN KIM

CODE ANALVEIC

(FROM INTERNATIONAL BUILDING CODE/2018)											
	EXISTING BLDG	PROPOSED ALTERATION									
IBC OCCUPANCY CLASSIFICATION	E	THE SCOPE OF THIS WORK IS									
TYPE OF CONSTRUCTION	IIB	TO REPLACE EXISTING GENERATOR AND REVISE									
NUMBER OF STORIES ABOVE GRADE	1	NORMAL LIGHTING CIRCUITS IN TOILET ROOMS, BOILER									
HIGH RISE (Y/N)	N	ROOM AND ELEC ROOM TO EMERGENCY LIGHTING.									
FIRE ALARM (Y/N)	Υ	THERE IS NO INCREASE IN									
FULLY SPRINKLERED (Y/N)	Υ	FLOOR AREA, NO SITE CHANGES, NO CHANGE IN									
TOTAL BUILDING FLOOR AREA	78,547 SF	CLASSIFICATION OR TYPE OF CONSTRUCTION.									

SCOPE OF WORK

SCOPE OF WORK GENERALLY CONSISTS OF THE FOLLOWING OVER TWO PHASES. PHASE 1 SHALL CONSIST OF THE FOLLOWING:

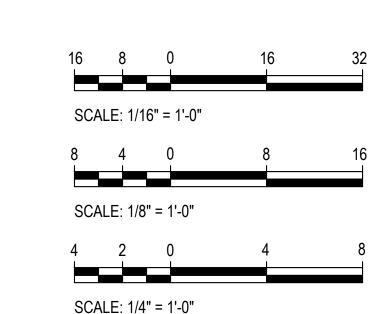
- PROVIDE CONDUITS AND RACEWAYS FOR NEW DEVICES AND CONNECTIONS TO EXISTING EQUIPMENT. FINAL CONNECTIONS TO NEW DEVICES AND EXISTING EQUIPMENT SHALL BE PERFORMED DURING THE SECOND SUMMER.
- PROVIDE NEW CONCRETE PAD FOR NEW GENERATOR.
- CONNECT LIGHTING FIXTURES IN TOILET ROOMS ON NORMAL CIRCUITS TO EXISTING EMERGENCY LIGHTING CIRCUITS, WHERE INDICATED ON DRAWINGS

PROJECT SCOPE SHALL INCLUDE THE WORK FOR PHASE 2

- PROVIDE NEW GENERATOR AND ASSOCIATED EQUIPMENT
- CONNECT EXISTING BOILERS AND ASSOCIATED PUMPS TO THE NEW STANDBY PANELBOARD.
- CONNECT EXISTING KITCHEN REFRIGERATION EQUIPMENT TO NEW STANDBY PANELBOARD.
- CONNECT EXISTING INTERCOMMUNICATIONS/PUBLIC ADDRESS SYSTEM TO THE NEW STANDBY PANELBOARD.
- CONNECT EXISTING MAIN TELECOM ROOM RECEPTACLES TO THE NEW STANDBY PANELBOARD.
- CONNECT NORMAL LIGHTING FIXTURES IN THE MAIN MECHANICAL ROOM/BOILER ROOM AND MAIN ELECTRICAL ROOM TO THE NEW EMERGENCY PANELBOARD.
- CONNECT LIGHTING FIXTURES IN TOILET ROOMS ON NORMAL CIRCUITS TO THE NEW EMERGENCY PANELBOARD, WHERE INDICATED

THE SCOPE OF WORK INDICATED ON THIS SHEET. IS INTENDED AS A BRIEF SUMMARY FOR GENERAL INFORMATIONAL PURPOSES ONLY. AND DOES NOT NECESSARILY INCLUDE ALL OF THE WORK REQUIRED. THE CONTRACTOR SHALL PROVIDE MATERIALS AND LABOR AS REQUIRED TO COMPLETE THE WORK AS INDICATED IN THE CONTRACT DOCUMENTS.

GRAPHIC SCALES



CAUTION: EXCEPT WHERE DIMENSIONS ARE INDICATED,

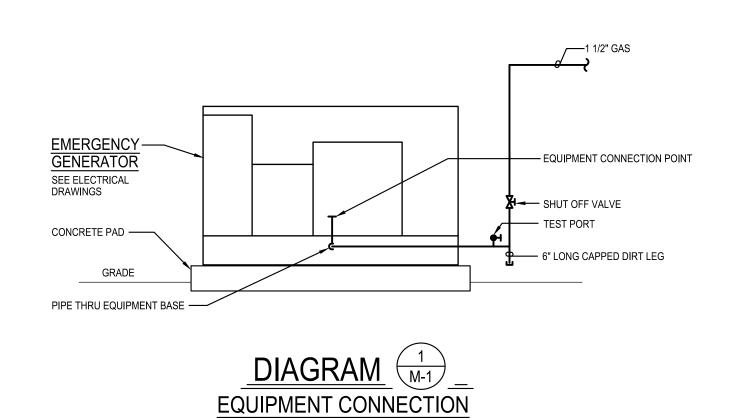
GRAPHIC SCALE MUST BE USED.

rag	l	Description	Dat
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PSC No			
Scale		AS NOTED	
Project N	Ю	7754-22	
Date		FEBRUARY 6, 2	2023
Drawing	Title		

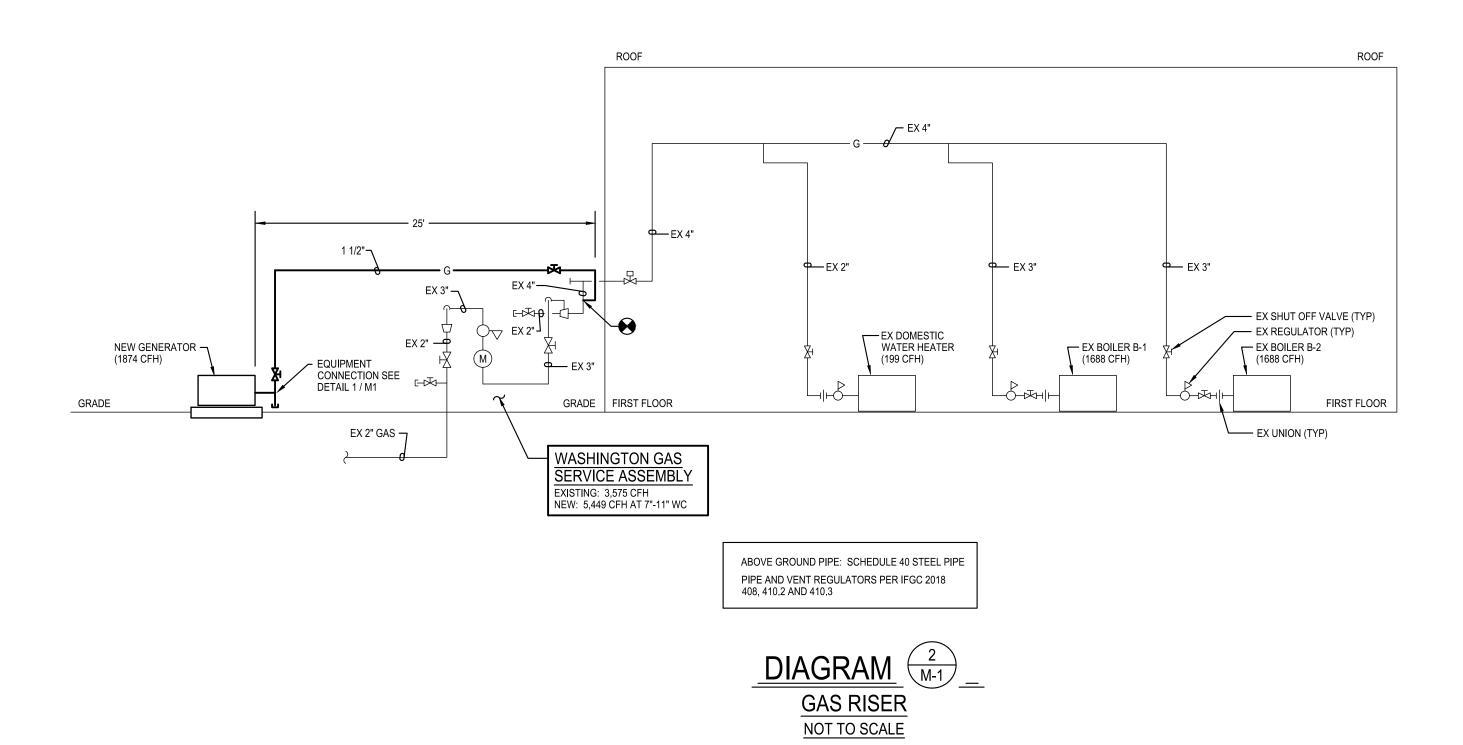
Drawing Little TITLE SHEET

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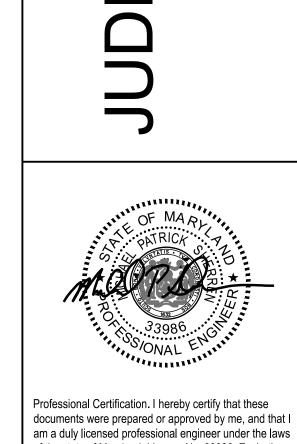
MECHANICAL SYMBOLS AND ABBREVIATIONS ø INDICATES DIAMETER —— G —— LOW PRESSURE GAS PIPE A/D ACCESS DOOR — G (2 PSI) — MEDIUM PRESSURE GAS PIPE AAV AUTOMATIC AIR VENT PIPE CAP OR PLUG ABV ABOVE ——I⊢—— UNION AFF ABOVE FINISHED FLOOR ————— SHUT-OFF VALVE BLDG BUILDING BLW BELOW ———— SOLENOID VALVE BTUH BRITISH THERMAL UNITS PER HOUR CFH CUBIC FEET PER HOUR PRESSURE REDUCING / REGULATING VALVE CFM CUBIC FEET PER MINUTE ——— METER CLG CEILING GAUGE COCK / TEST PORT CONC CONCRETE CW DOMESTIC COLD WATER PIPE ———— CONCENTRIC REDUCER DIA DIAMETER ECCENTRIC REDUCER EA EXHAUST AIR FLOW DIRECTION ARROW ETR EXISTING TO REMAIN STRAINER EX EXISTING EXH EXHAUST POINT OF CONNECTION, NEW TO EXISTING FL FLOOR FT FEET DEMOLITION WORK TERMINATION POINT G GAS PIPE GALV GALVANIZED SYMBOL FOR SPECIFIC NOTE. NOTE APPLIES TO DRAWING ON WHICH IT OCCURS. IN INCH, INCHES MAX MAXIMUM DETAIL OR DIAGRAM NO. 3 SHOWN ON MBH THOUSAND BTU'S PER HOUR M₁ DRAWING M1 MCPS MONTGOMERY COUNTY PUBLICK SCHOOLS MECH MECHANICAL MFR MANUFACTURER MINIMUM NC NORMALLY CLOSED NOT IN CONTRACT NO NORMALLY OPEN **OUTDOOR AIR** PSI POUNDS PER SQUARE INCH RX REMOVE EXISTING TYP TYPICAL UON UNLESS OTHERWISE NOTED



NOT TO SCALE



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SCT SCT

REPLACE

AND ELECTRICAL

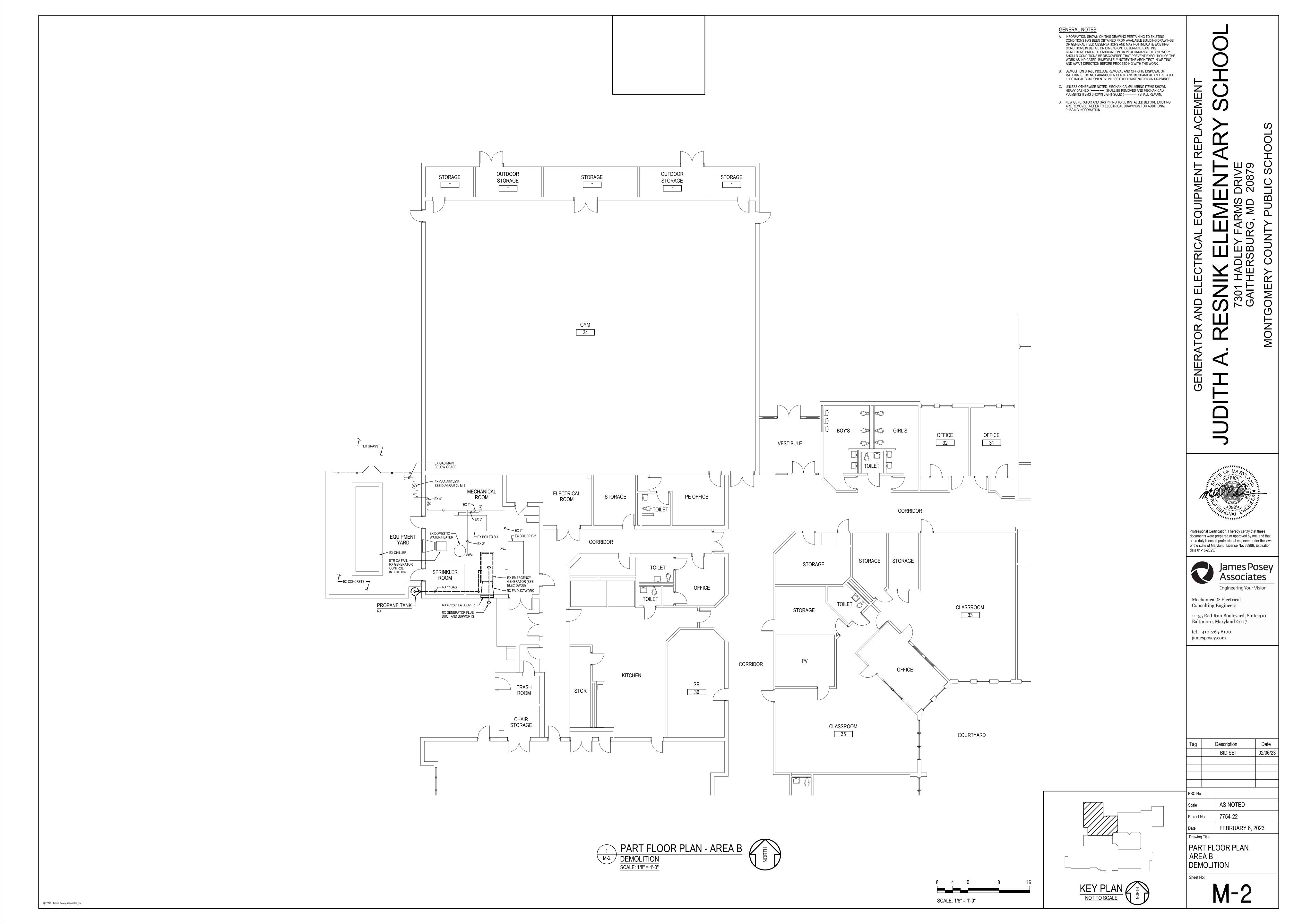
GENERATOR

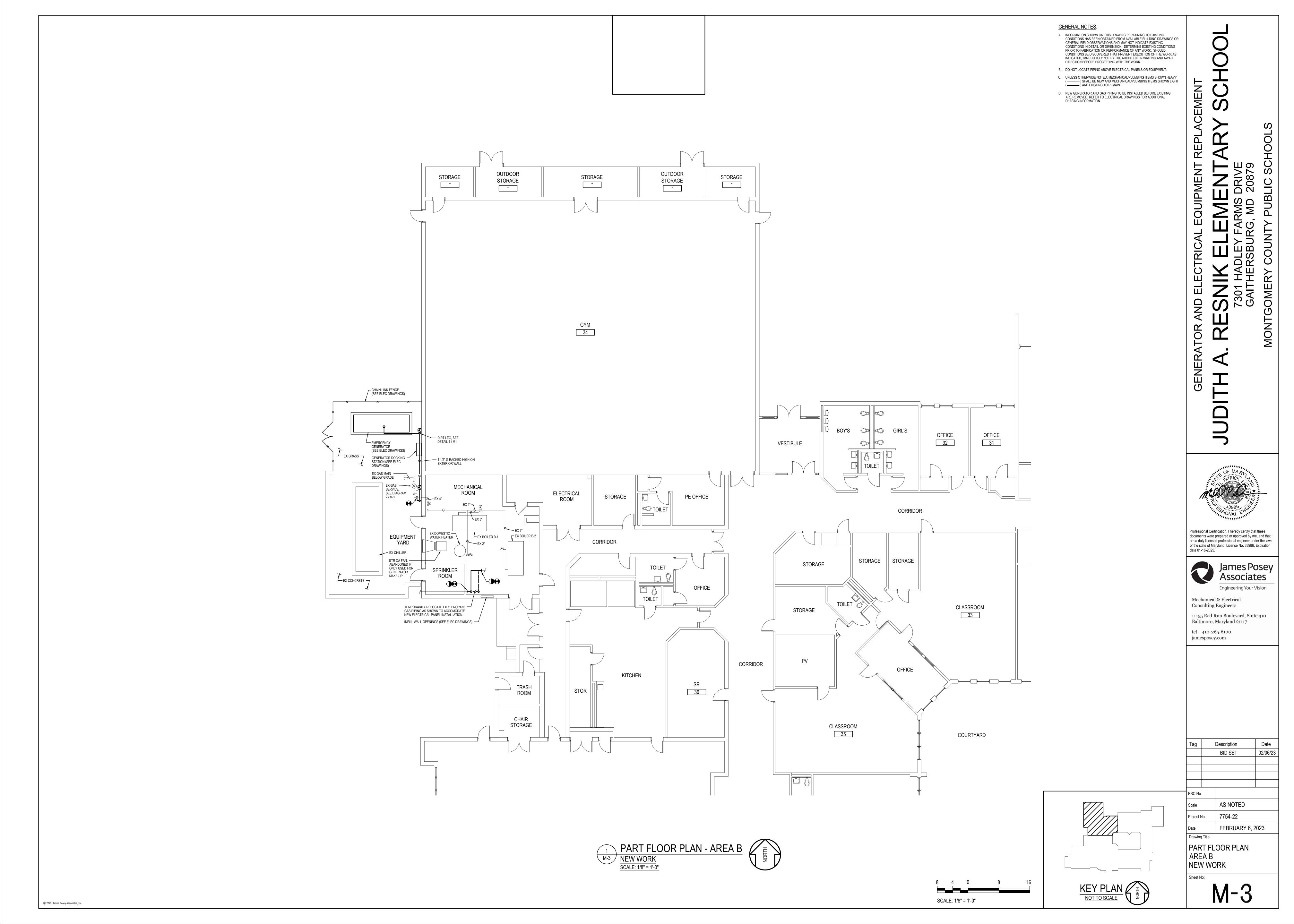


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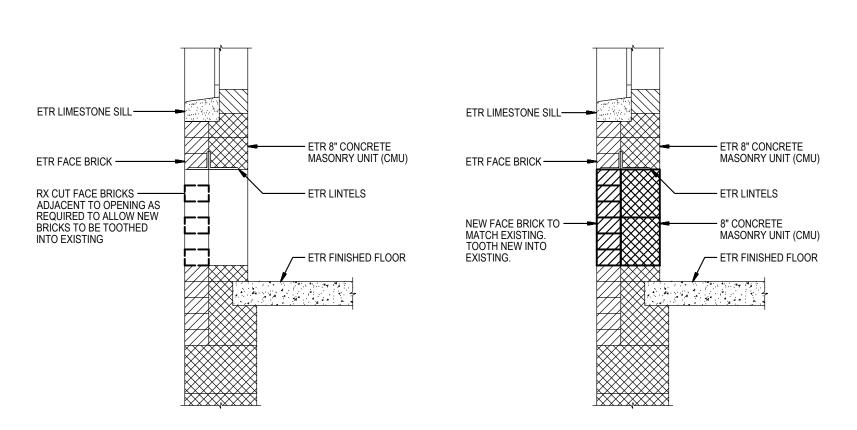
Tag	I	Description	Date
		BID SET	02/06/23
PSC No			
Scale		AS NOTED	
Project N	10	7754-22	
Date		FEBRUARY 6, 2	2023
			· ·

DIAGRAMS, SYMBOLS AND ABBREVIATIONS





8 DETAIL
E-0 DIRECTLY-BURIED CONDUIT
NOT TO SCALE



7 DETAIL
E-0 TYPICAL INFILL AT EXISTING MASONRY WALL OPENING

GENERATOR DOCKING STATION

FOR CONNECTIONS TO A TEMPORARY PORTABLE GENERATOR

CONFIGURE TEMPORARY PORTABLE GENERATOR WITH GENERATOR NEUTRAL CONNECTED TO GENERATOR GROUND GENERATOR SHALL BE A SEPARATELY DERIVED SYSTEM.

MECHANICALLY FASTEN SIGN TO FRONT OF GENERATOR DOCKING STATION

6 DETAIL

NORMAL POWER SOURCE ----

PLACARD AT GENERATOR DOCKING STATION

NOT TO SCALE

EMERGENCY AND STANDBY POWER
150KW, 277/480 VOLTS, 3-PHASE, 4-WIRE
NATURAL GAS GENERATOR
LOCATED OUTDOORS
NEXT TO LOADING DOCK AND
MECHANICAL ROOM

MECHANICALLY FASTEN SIGN TO FRONT OF MAIN SWITCHBOARD

5 DETAIL
E-0 PLACARD AT MAIN SERVICE
NOT TO SCALE

GENERATOR EQUIPMENT

FOR SIZE.

GENERATOR POWER SOURCE

DIAGRAM

NOT TO SCALE

GROUNDING CONDUCTOR. REFER TO RISER DIAGRAM

N = NEUTRAL GROUNDED CONDUCTOR.

H = "HOT" ENERGIZED CONDUCTOR, TYPICAL OF 1 PER PHASE.

AUTOMATIC TRANSFER SWITCH GROUND WIRING

—— AUTOMATIC TRANSFER SWITCH 4-POLE

- NEUTRAL TRANSFER

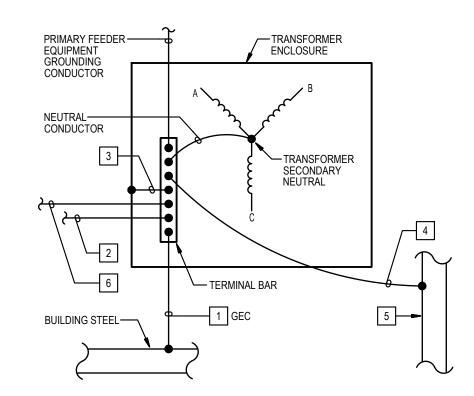
 PHASE TRANSFER (TYPICAL 1 PER PHASE)

EQUIPMENT GROUNDIN

BONDING JUMPER BY MANUFACTURER

RISER DIAGRAM FOR SIZE

ATS GROUNDING TERMINAL



ELECTRICAL EQUIPMENT ELEVATION

TO ATS-1 IN CHAIR STORAGE

— GENERATOR DOCKING STATION

DETAIL NOTES:

PROVIDE GALVANIZED STEEL

CHANNEL SUPPORTS AS NEEDED
FOR MOUNTING OF EQUIPMENT

EXISTING GRADE

CONCRETE 12"x 12"x 24" — MINIMUM (TYPICAL)

TO GENERATOR -

NOT TO SCALE

GROUNDING ELECTRODE CONDUCTOR (GEC), SIZED PER SCHEDULE OF TRANSFORMERS ON DRAWING E7.

SUPPLY-SIDE BONDING JUMPER, 2017 NEC TABLE 250.102(C)(1), SIZED PER SCHEDULE OF TRANSFORMERS ON DRAWING E7, TO EQUIPMENT GROUND BAR OF PANELBOARD SUPPLIED BY TRANSFORMER.

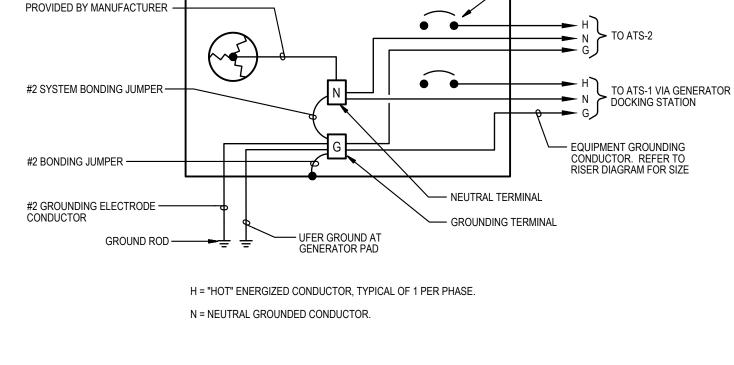
SYSTEM BONDING CONDUCTOR, SIZED PER PER SUPPLY-SIDE BONDING JUMPER.

3 SYSTEM BONDING JUMPER, SIZED PER SUPPLY-SIDE BONDING JUMPER.

5 METAL WATER PIPING SYSTEM (TYPICAL FOR EACH SYSTEM IN AREA SERVED BY TRANSFORMER).

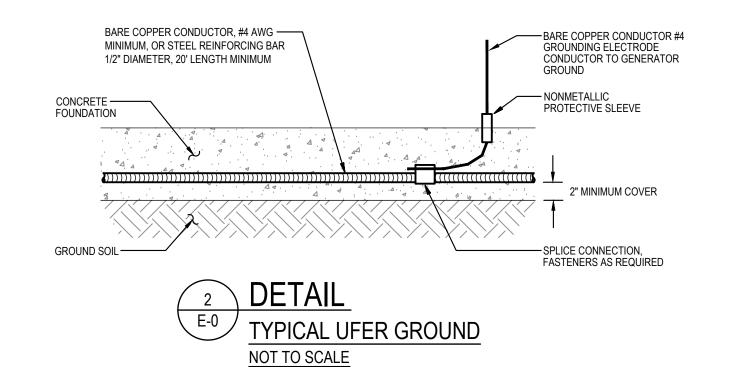
6 NEUTRAL CONDUCTOR, TO NEUTRAL BUS BAR (ISOLATED NEUTRAL TERMINAL) OF PANELBOARD SUPPLIED BY

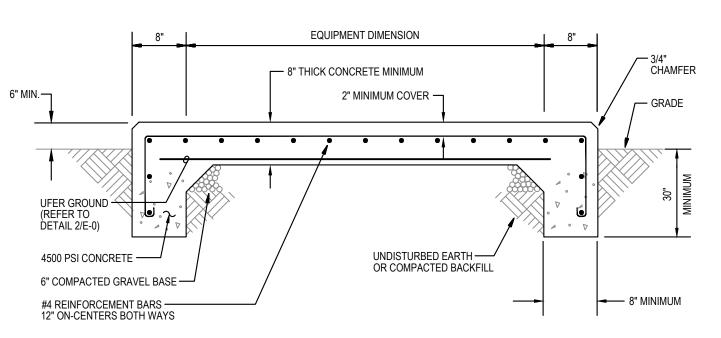
9 DETAIL
E-0 TRANSFORMER GROUNDING & BONDING
NOT TO SCALE



- OUTPUT CIRCUIT BREAKER

3 DIAGRAM E-0 GENERATOR GROUNDING WIRING NOT TO SCALE





DETAIL

GENERATOR CONCRETE PAD

NOT TO SCALE

ABBREVIATIONS

A, AMP AIC	AMPERE(S) AMPERES INTERRUPTING CAPACITY	MCPS	MONTGOMERY COUNTY PUBLIC SCHOOLS
ATS	AUTOMATIC TRANSFER SWITCH	MIN	MINIMUM
С	CONDUIT	N	NEUTRAL
СВ	CIRCUIT BREAKER	NEMA	NATIONAL ELECTRICAL
CKT	CIRCUIT		MANUFATURERS ASSOCIATION
CT	CURRENT TRANSFORMERS	Р	POLE(S) OR PUMP
DIST	DISTRIBUTION	PA	PUBLIC ADDRESS
EM	EMERGENCY	PSI	POUNDS PER SQUARE INCH
ETR	EXISTING TO REMAIN	PVC	POLYVINYL CHLORIDE
EX	EXISTING	REC	RECEPTACLE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	REFRIG	REFRIGERATOR
FACP	FIRE ALARM CONTROL PANEL	RX	REMOVE EXISTING
G	GROUND	SPD	SURGE PROTECTIVE DEVICE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	STOR.	STORAGE
Н	HOT	V	VOLT(S)
HP	HORSEPOWER	VFD	VARIABLE FREQUENCY DRIVE
KVA	KILOVOLT-AMPERES	W	WIRE(S)
KW	KILOWATTS	XFMR	TRANSFORMER
LTG	LIGHTING	Ø	PHASE



GENERAL

DENOTES REFERENCE TO SPECIFIC NOTE ON DRAWING.

DETAIL, DIAGRAM OR PLAN NUMBER

DRAWING NUMBER WHERE DETAIL, DIAGRAM OR PLAN IS LOCATED.

A. PROVIDE DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT.

THE EXISTING FACILITY WILL REMAIN IN OPERATION DURING RENOVATION. INTERRUPTION TO THE EXISTING BUILDING ELECTRIC SERVICE SHALL BE COORDINATED WITH THE USER TO MINIMIZE DISRUPTION. INTERRUPTION OF UTILITIES SHALL NOT OCCUR DURING SCHOOL WORK HOURS.

DETAIL, DIAGRAM OR PLAN REFERENCE: DETAIL, DIAGRAM OR PLAN NUMBER/DRAWING NUMBER

DEMOLITION

DISCONNECT AND REMOVE EXISTING WIRING IN CONDUIT, UNLESS OTHERWISE NOTED.

DISCONNECT AND REMOVE EXISTING HOMERUN WIRING IN CONDUIT BACK TO SOURCE.

DISCONNECT AND REMOVE PANELBOARD OR CABINET AS INDICATED.

DISCONNECT AND REMOVE TRANSFORMER.

DISCONNECT AND REMOVE EXISTING DUPLEX OR DOUBLE-DUPLEX (QUAD) RECEPTACLE.

DISCONNECT AND REMOVE ENCLOSED SWITCH (DISCONNECT/SAFETY SWITCH).

EXISTING

——— EXISTING TO REMAIN CEILING OUTLET AND LIGHTING FIXTURE.

EXISTING TO REMAIN WALL OUTLET AND LIGHTING FIXTURE.

EXISTING TO REMAIN CEILING OUTLET AND LIGHTING FIXTURE ON GENERATOR POWER CIRCUIT OR PREVIOUSLY ON NORMAL POWER CIRCUIT AND CHANGED TO GENERATOR POWER CIRCUIT.

EXISTING TO REMAIN WALL OUTLET AND LIGHTING FIXTURE ON GENERATOR POWER CIRCUIT, OR PREVIOUSLY ON NORMAL POWER CIRCUIT AND CHANGED TO GENERATOR POWER CIRCUIT.

EXISTING TO REMAIN WALL MOUNTED SWITCH.

EXISTING TO REMAIN 277/480V PANELBOARD, SURFACE OR RECESSED MOUNTED.

EXISTING TO REMAIN EQUIPMENT CABINET AS INDICATED OR 120/208V PANELBOARD,

SURFACE OR RECESSED MOUNTED.

T EXISTING TO REMAIN TRANSFORMER.

EXISTING TO REMAIN WIRING IN CONDUIT CONTINUED.

EXISTING TO REMAIN WIRING IN CONDUIT.

EXISTING TO REMAIN HOMERUN WIRING IN CONDUIT BACK TO SOURCE.

EXISTING TO REMAIN HOWERON WIRING IN CONDUIT BACK TO

 EXISTING TO REMAIN MOTOR CONNECTION.

EXISTING EQUIPMENT CONNECTION TO BE RECONNECTED WHERE INDICATED.

D EXISTING TO REMAIN ENCLOSED SWITCH (DISCONNECT/SAFETY SWITCH).

M EXISTING TO REMAIN MOTOR STARTER.

EXISTING TO REMAIN DUPLEX RECEPTACLE.

EXISTING TO REMAIN QUADRUPLEX (DOUBLE-DUPLEX) RECEPTACLE.

POWER

HOMERUN TO PANELBOARD. NUMBER OF HASH MARKS INDICATES NUMBER OF WIRES PLUS GROUND WIRE. REFER TO PANEL SCHEDULES FOR CONDUCTOR SIZES. PROVIDE GROUND WIRES IN CONDUITS.

HOMERUN TO PANELBOARD, RUN BELOW GRADE OR BELOW ROOF. NUMBER OF HASH MARKS INDICATES NUMBER OF WIRES PLUS GROUND WIRE. REFER TO PANEL SCHEDULES FOR CONDUCTOR SIZES. PROVIDE GROUND WIRES IN CONDUITS.

WIRING IN CONDUIT RUN CONCEALED IN CEILING SPACE ABOVE CEILINGS AND EXPOSED IN OPEN CEILINGS, UNLESS OTHERWISE NOTED. WIRING IN CONDUIT DESIGNATED WITH "EM" DENOTE EMERGENCY LIGHTING CIRCUIT. PROVIDE GROUND WIRES IN CONDUITS.

—— WIRING IN CONDUIT RUN BELOW GRADE OR BELOW ROOF.

JUNCTION BOX WITH BLANK COVER PLATE.

ELECTRIC PANELBOARD (277/480V), SURFACE MOUNTED.

TRANSFORMER.

ELECTRIC PANELBOARD (120/208V), SURFACE MOUNTED.

■ EQUIPMENT CABINET AS NOTED.

AUTOMATIC TRANSFER SWITCH.

ENCLOSED CIRCUIT BREAKER.

ENCLOSED SWITCH (DISCONNECT/SAFETY SWITCH) IN NEMA TYPE 1 ENCLOSURE, UNLESS OTHERWISE NOTED. MOUNT 5'-6" ABOVE FLOOR TO TOP OF ENCLOSURE, UNLESS OTHERWISE NOTED. RATING AND FUSING AS INDICATED.

MOTOR CONNECTION.

HARD-WIRED ELECTRICAL CONNECTION. CONNECT TO EQUIPMENT AS NOTED.

SURGE PROTECTIVE DEVICE IN NEMA TYPE 1 ENCLOSURE, UNLESS OTHERWISE NOTED.

DUPLEX RECEPTACLE (NEMA 5-20R) ON GENERATOR STANDBY POWER CIRCUIT, SURFACE WALL-MOUNTED 16" ABOVE FLOOR TO BOTTOM OF BOX.

DUPLEX RECEPTACLE (NEMA 5-20R) ON GENERATOR STANDBY POWER CIRCUIT, SURFACE WALL-MOUNTED 48" ABOVE FLOOR TO TOP OF BOX. RECEPTACLES DESIGNATED WITH A "WP" SHALL BE WEATHER-RESISTANT AND GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE RECEPTACLE (NEMA 5-20R) WITH WEATHERPROOF WHILE-IN-USE COVER. RECEPTACLES DESIGNATED WITH A "H" SHALL BE SHALL BE HOSPITAL GRADE TYPE.

DOUBLE-DUPLEX (QUADRUPLEX) RECEPTACLE (NEMA 5-20R) ON GENERATOR STANDBY POWER CIRCUIT, SURFACE WALL-MOUNTED 48" ABOVE FLOOR TO TOP OF BOX.

FIRE DETECTION AND ALARM

MM MONITORING MODULES. PROVIDE FIRE ALARM WIRING IN CONDUIT AND CONNECT MONITORING MODULES TO EXISTING FIRE DETECTION AND ALARM SYSTEM FOR "GENERATOR RUN" AND "GENERATOR FAULT". MAKE CONNECTIONS NECESSARY FOR COMPLETE INSTALLATION. RE-PROGRAM FIRE ALARM CONTROL PANEL AS REQUIRED.

OF MARI J. MARI J. WAR V. 2486 V. 2486

EMENT

O

AND

OR

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland, License No. 24861, Expiration date 02-24-2024.



Mechanical & Electrical Consulting Engineers

11155 Red Run Boulevard, Suite 310 Baltimore, Maryland 21117 tel 410-265-6100 jamesposey.com

Tag Description Date
BID SET 02/06/23

PSC No

AS NOTED

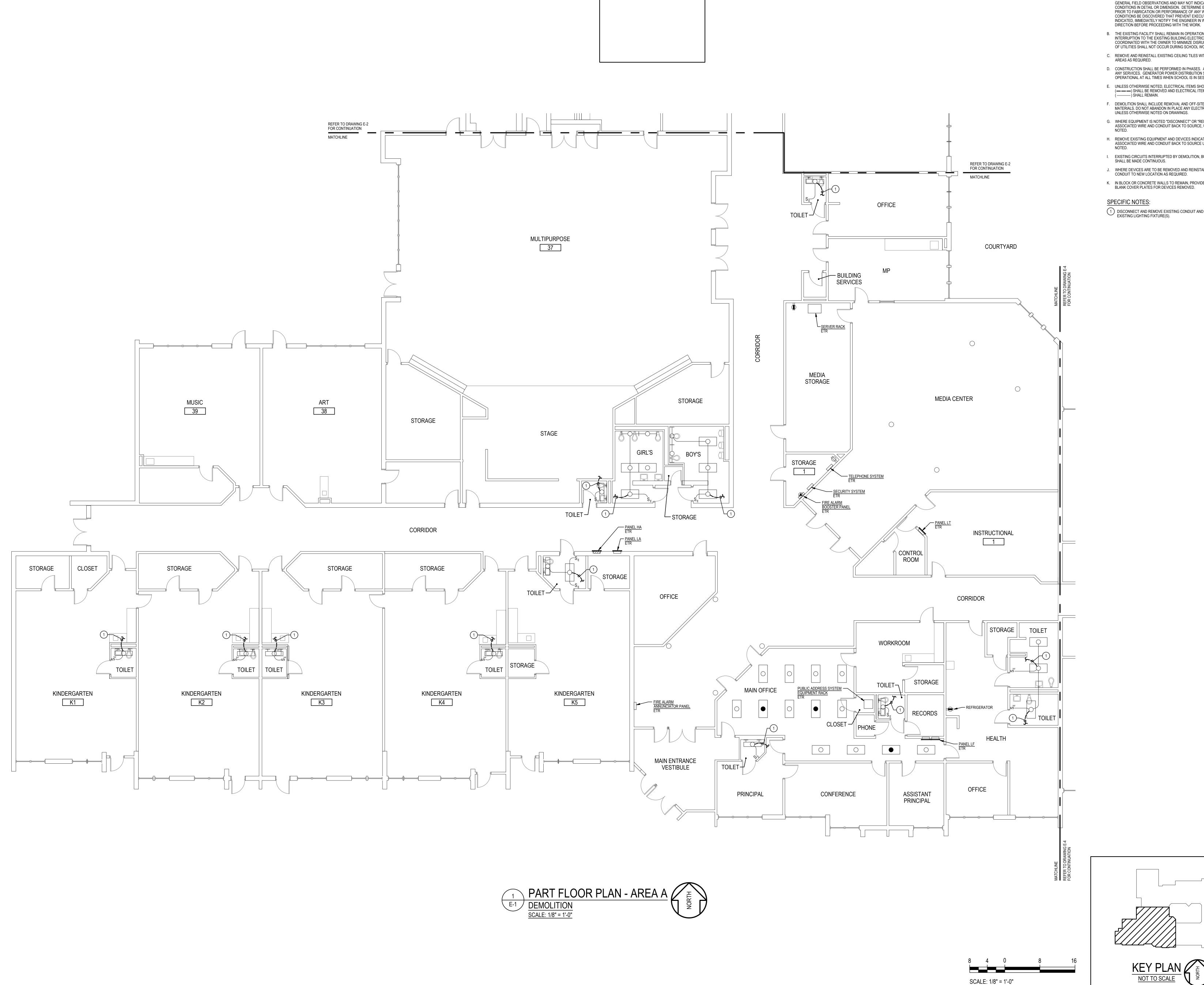
Project No 7754-22

Date FEBRUARY 6, 2023

Drawing Title

SYMBOLS LIST,
ABBREVIATIONS,
DIAGRAMS AND DETAILS

E-0

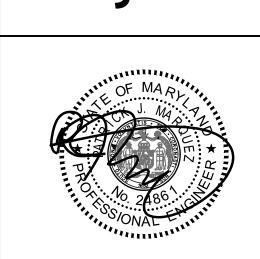


GENERAL NOTES:

- A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAIL OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
- B. THE EXISTING FACILITY SHALL REMAIN IN OPERATION DURING RENOVATION. INTERRUPTION TO THE EXISTING BUILDING ELECTRIC SERVICE SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION. INTERRUPTION OF UTILITIES SHALL NOT OCCUR DURING SCHOOL WORKING HOURS.
- C. REMOVE AND REINSTALL EXISTING CEILING TILES WITHIN CONSTRUCTION AREAS AS REQUIRED.
- D. CONSTRUCTION SHALL BE PERFORMED IN PHASES. AVOID INTERRUPTION TO ANY SERVICES. GENERATOR POWER DISTRIBUTION SYSTEM SHALL BE OPERATIONAL AT ALL TIMES WHEN SCHOOL IS IN SESSION.
- E. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY DASHED (———) SHALL BE REMOVED AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL REMAIN.
- F. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.
- G. WHERE EQUIPMENT IS NOTED "DISCONNECT" OR "REMOVE", REMOVE ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED.
- H. REMOVE EXISTING EQUIPMENT AND DEVICES INDICATED, INCLUDING ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE UNLESS OTHERWISE
- I. EXISTING CIRCUITS INTERRUPTED BY DEMOLITION, BUT ARE TO REMAIN, SHALL BE MADE CONTINUOUS.
- J. WHERE DEVICES ARE TO BE REMOVED AND REINSTALLED, PROVIDE WIRE AND CONDUIT TO NEW LOCATION AS REQUIRED.
- K. IN BLOCK OR CONCRETE WALLS TO REMAIN, PROVIDE STAINLESS STEEL BLANK COVER PLATES FOR DEVICES REMOVED.

SPECIFIC NOTES:

DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRING SERVING EXISTING LIGHTING FIXTURE(S).



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland, License No. 24861, Expiration date 02-24-2024.



Mechanical & Electrical

jamesposey.com

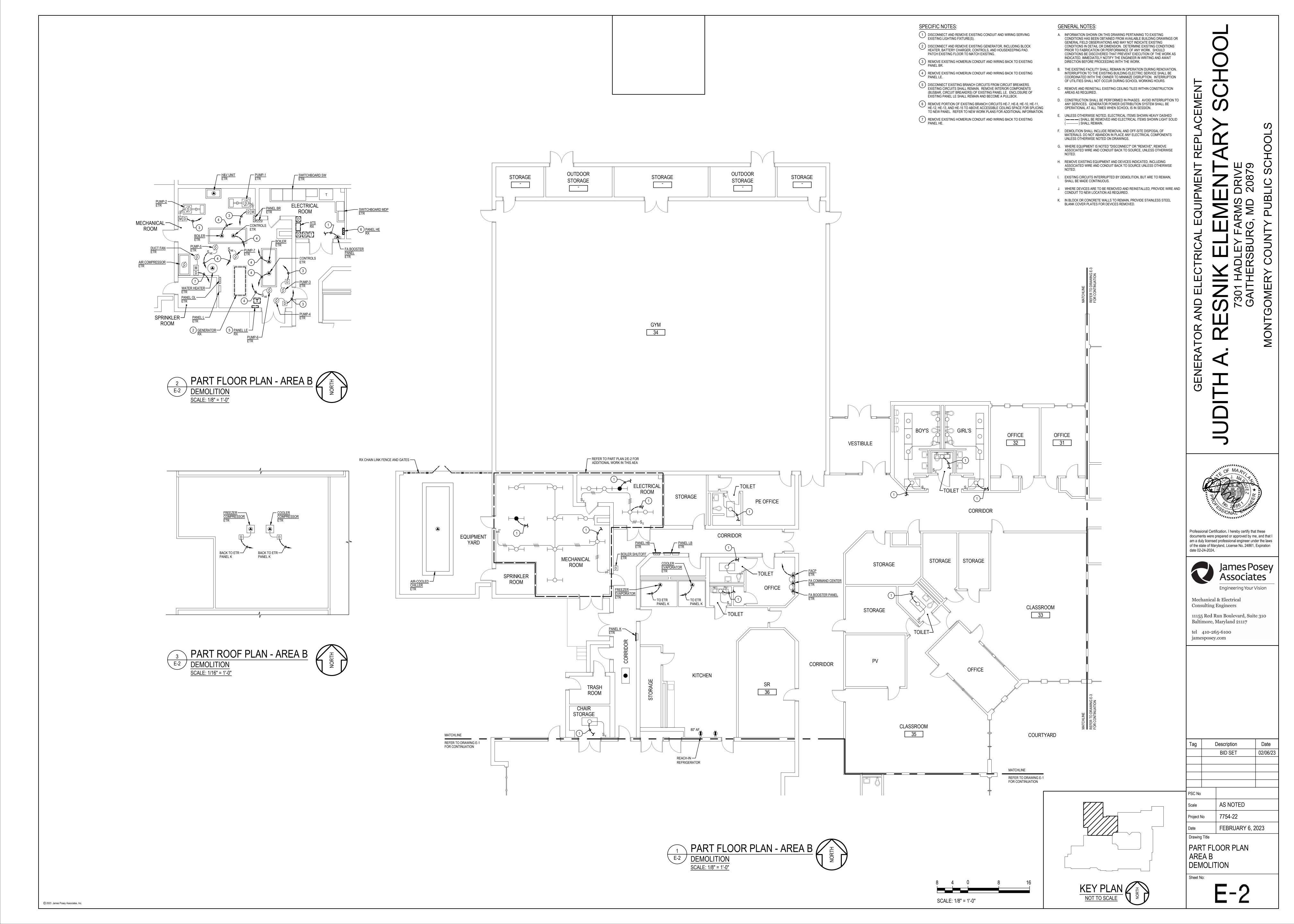
Consulting Engineers 11155 Red Run Boulevard, Suite 310 Baltimore, Maryland 21117 tel 410-265-6100

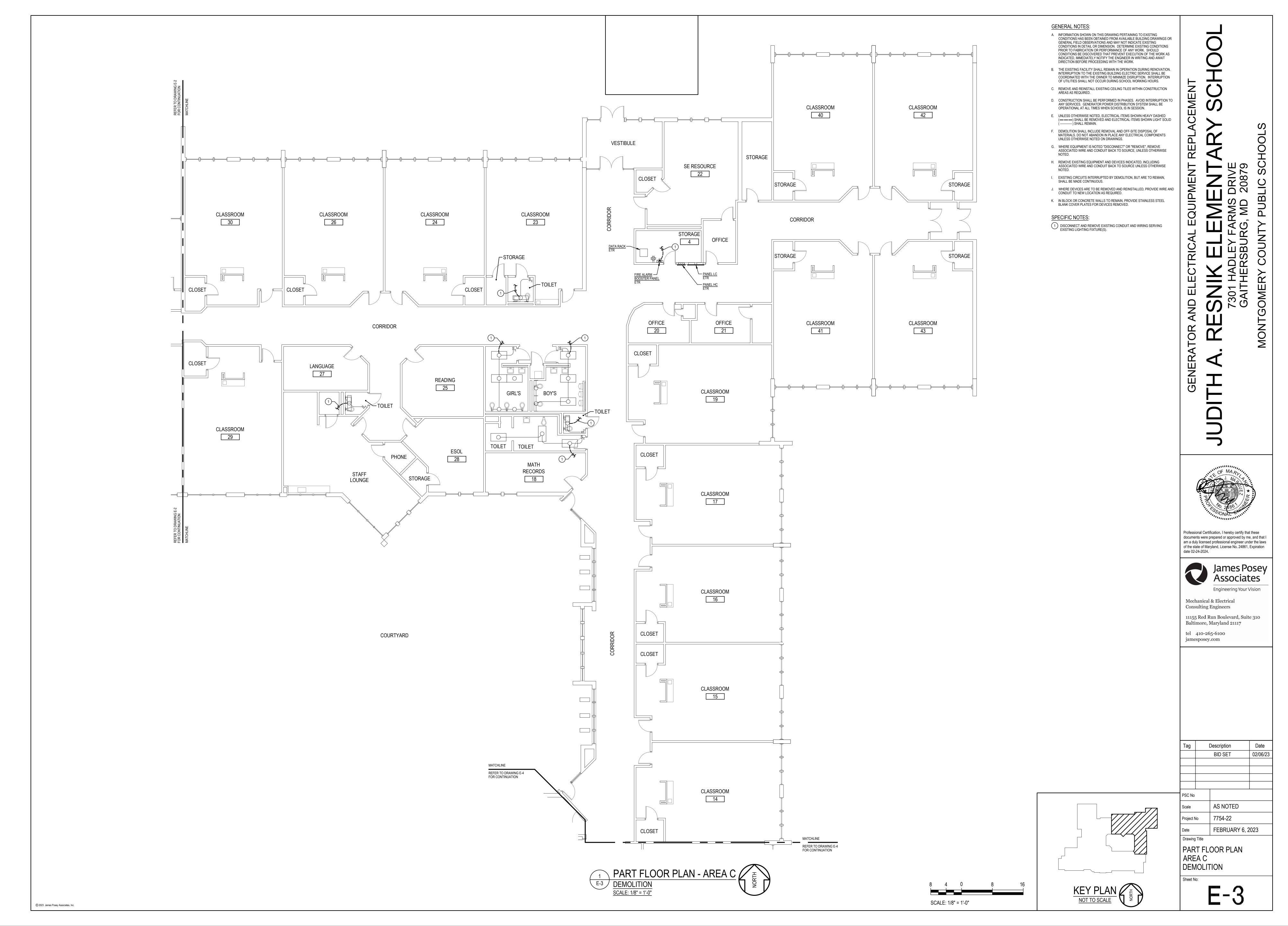
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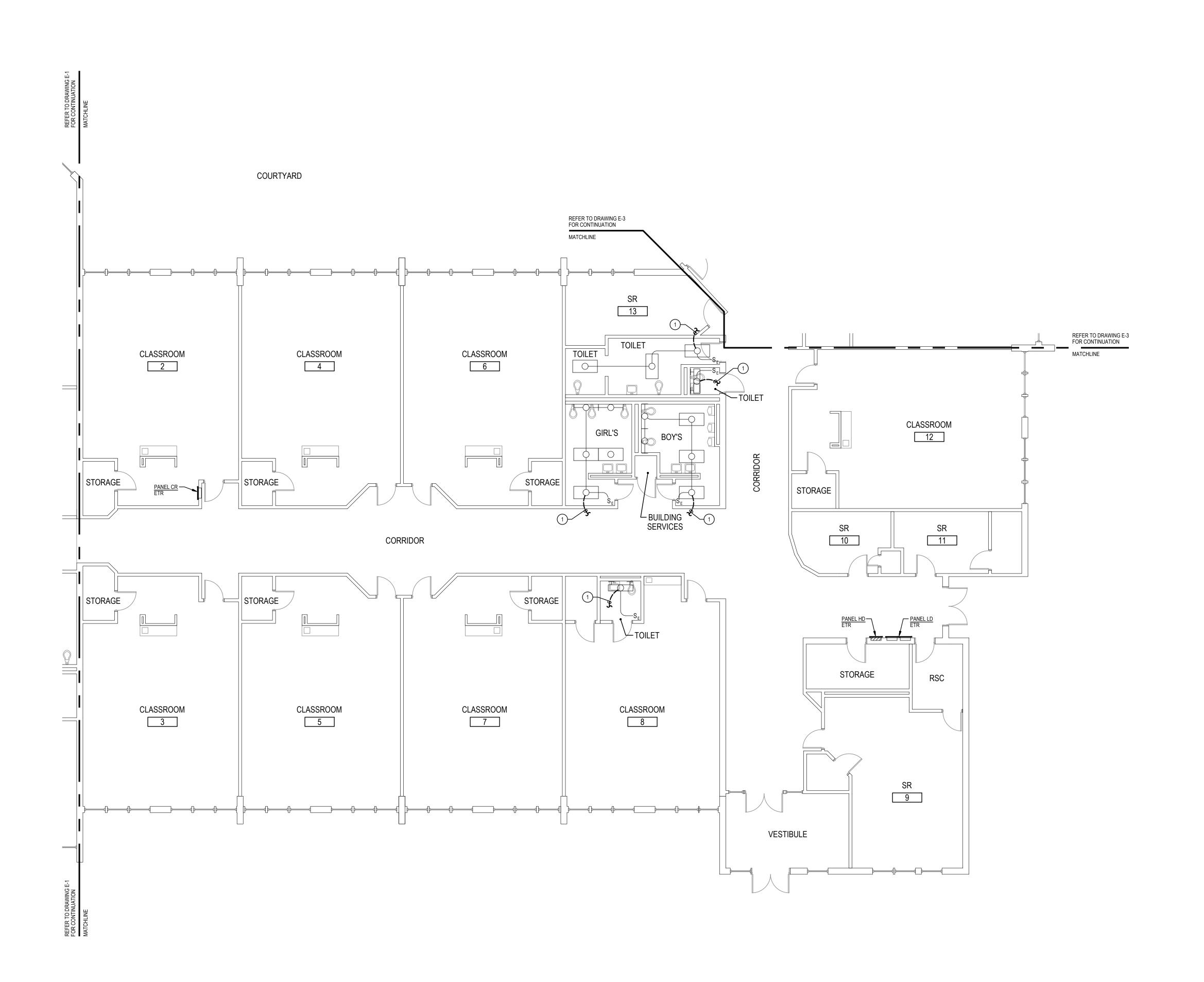
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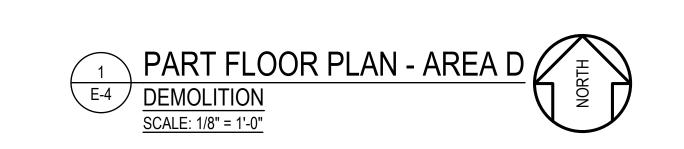
Drawing Title PART FLOOR PLAN AREA A DEMOLITION

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







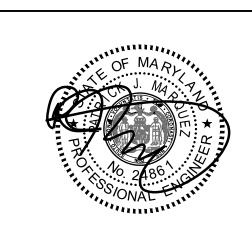




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- DIRECTION BEFORE PROCEEDING WITH THE WORK. B. THE EXISTING FACILITY SHALL REMAIN IN OPERATION DURING RENOVATION. INTERRUPTION TO THE EXISTING BUILDING ELECTRIC SERVICE SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION. INTERRUPTION
- OF UTILITIES SHALL NOT OCCUR DURING SCHOOL WORKING HOURS. C. REMOVE AND REINSTALL EXISTING CEILING TILES WITHIN CONSTRUCTION AREAS AS REQUIRED.
- D. CONSTRUCTION SHALL BE PERFORMED IN PHASES. AVOID INTERRUPTION TO ANY SERVICES. GENERATOR POWER DISTRIBUTION SYSTEM SHALL BE OPERATIONAL AT ALL TIMES WHEN SCHOOL IS IN SESSION.
- E. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY DASHED (———) SHALL BE REMOVED AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL REMAIN.
- F. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS. G. WHERE EQUIPMENT IS NOTED "DISCONNECT" OR "REMOVE", REMOVE
- ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED. H. REMOVE EXISTING EQUIPMENT AND DEVICES INDICATED, INCLUDING ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE UNLESS OTHERWISE
- I. EXISTING CIRCUITS INTERRUPTED BY DEMOLITION, BUT ARE TO REMAIN, SHALL BE MADE CONTINUOUS.
- J. WHERE DEVICES ARE TO BE REMOVED AND REINSTALLED, PROVIDE WIRE AND
- CONDUIT TO NEW LOCATION AS REQUIRED. K. IN BLOCK OR CONCRETE WALLS TO REMAIN, PROVIDE STAINLESS STEEL BLANK COVER PLATES FOR DEVICES REMOVED.

SPECIFIC NOTES:

DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRING SERVING EXISTING LIGHTING FIXTURE(S).



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland, License No. 24861, Expiration date 02-24-2024.



Mechanical & Electrical

Consulting Engineers 11155 Red Run Boulevard, Suite 310 Baltimore, Maryland 21117 tel 410-265-6100 jamesposey.com

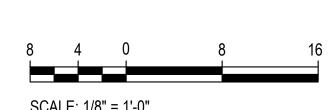
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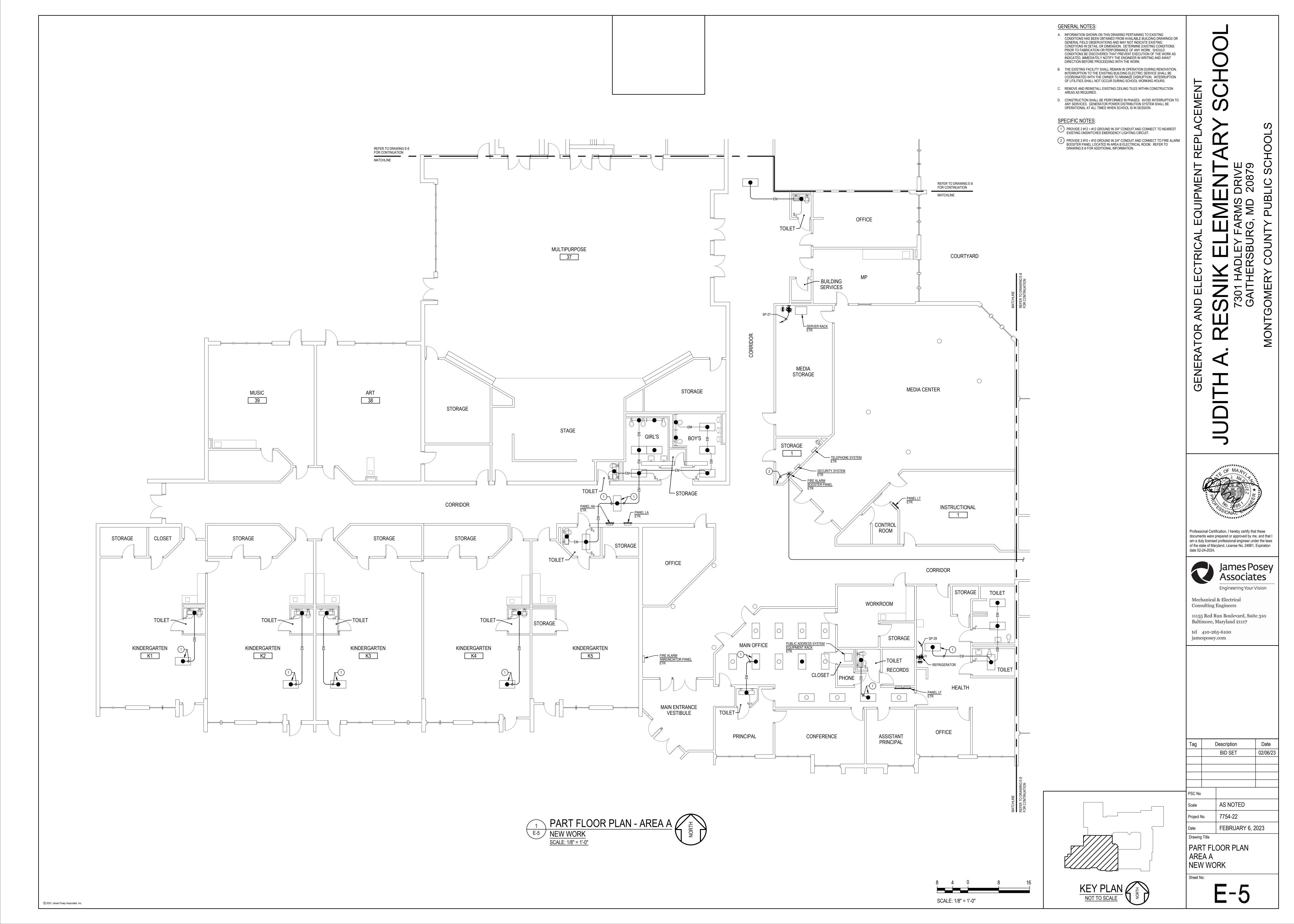
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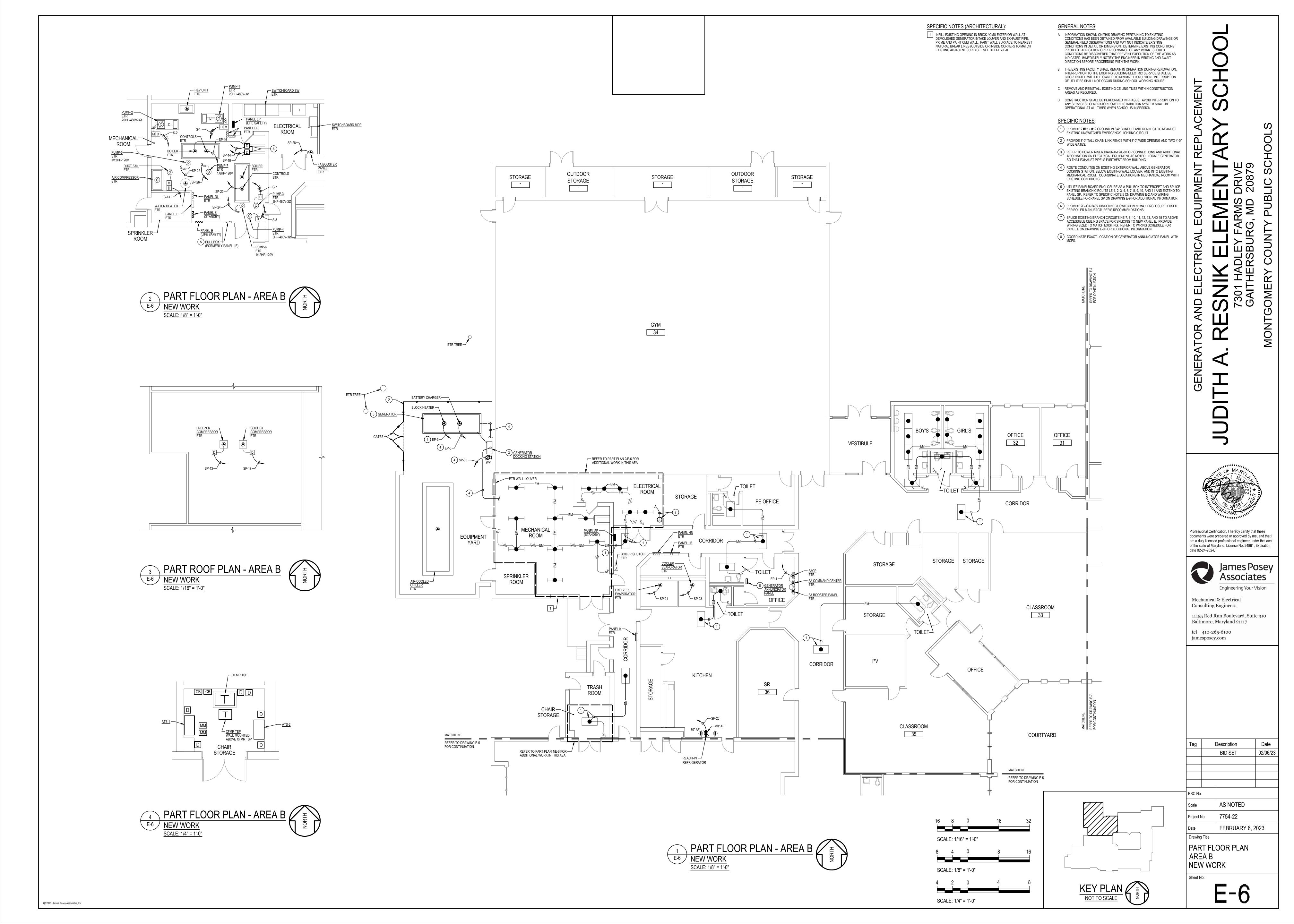
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DEMOLITION

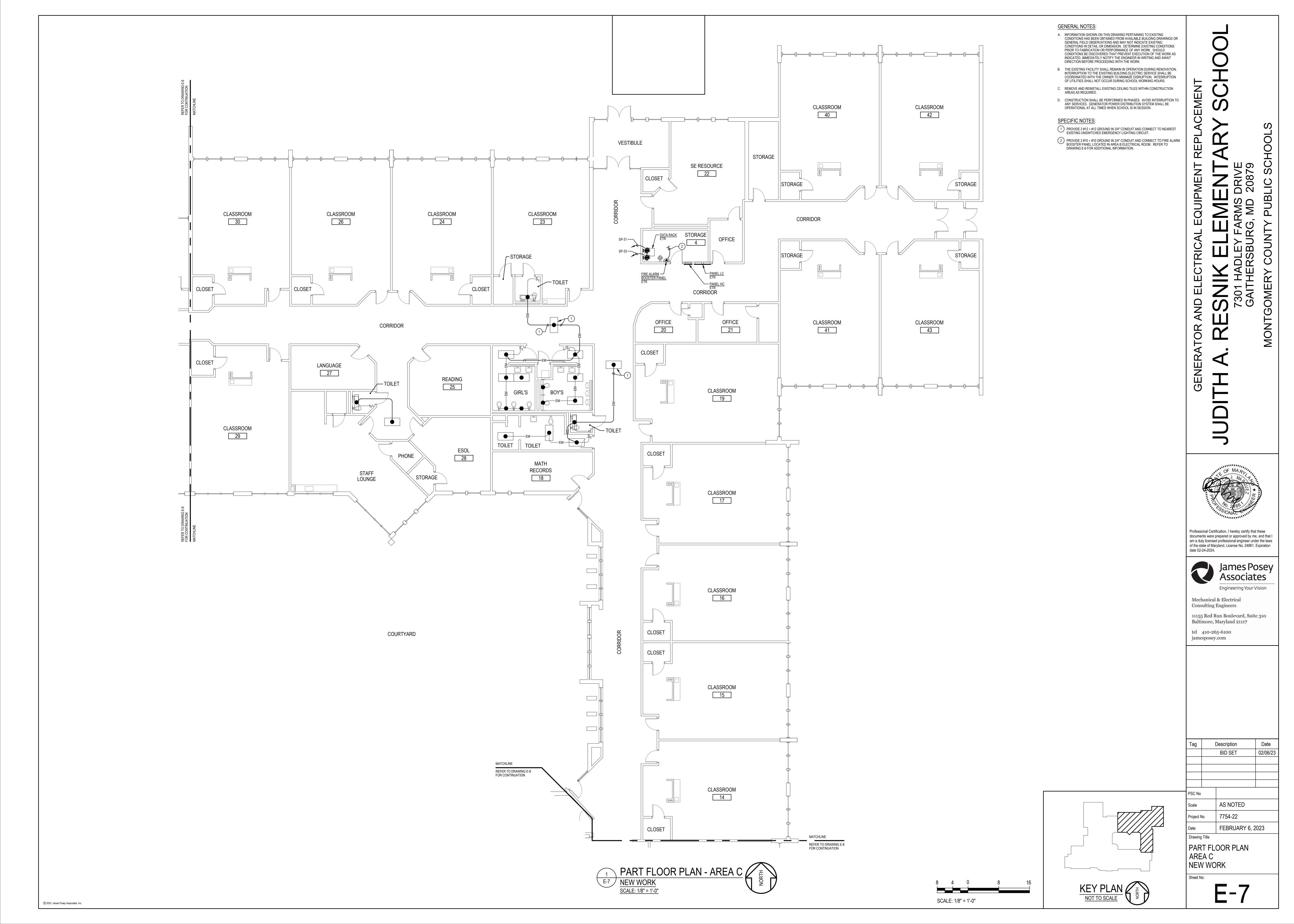
KEY PLAN

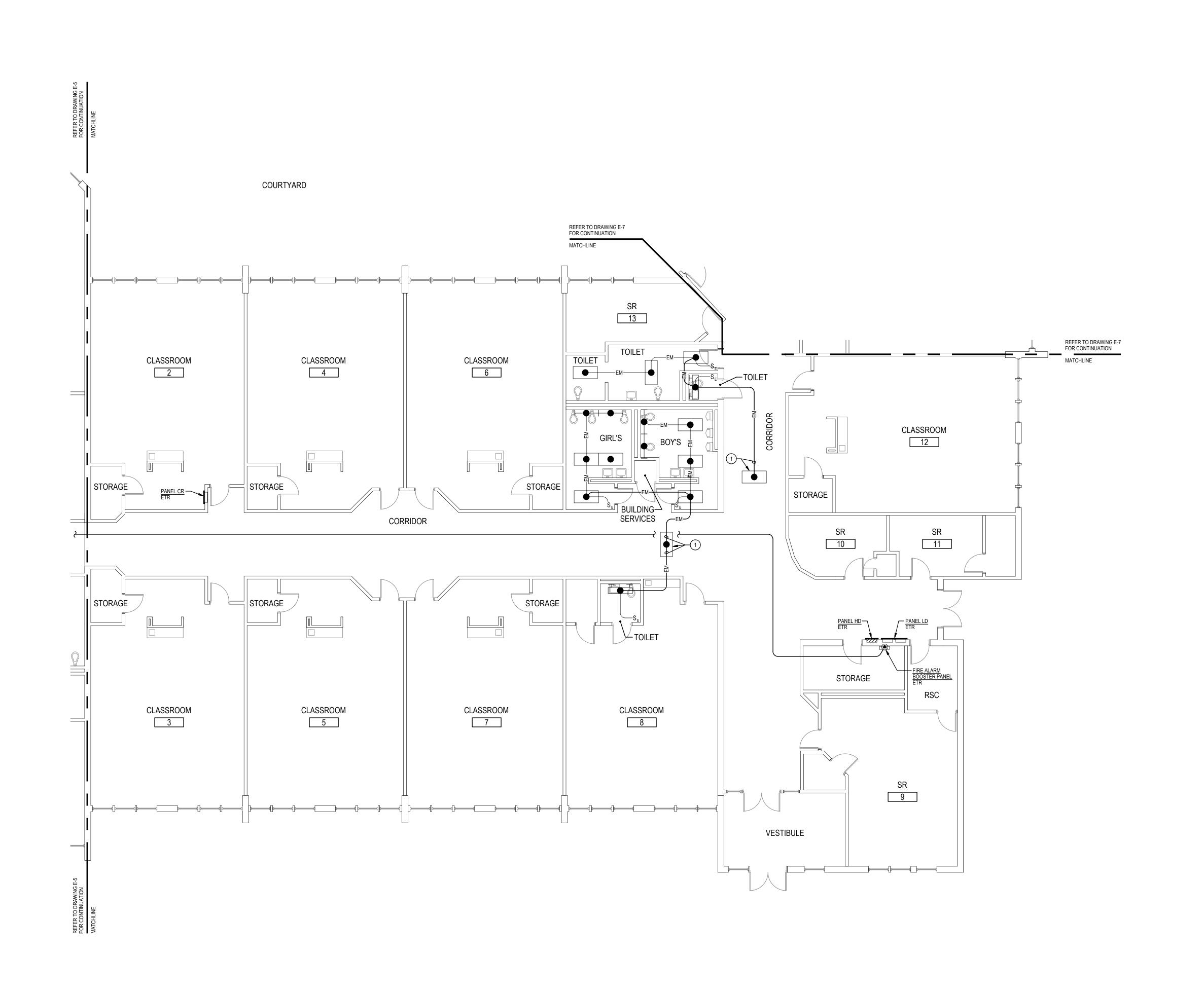
NOT TO SCALE









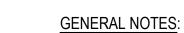


PART FLOOR PLAN - AREA D

NEW WORK

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

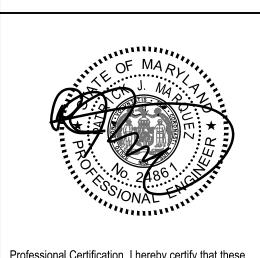
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- A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAIL OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
- B. THE EXISTING FACILITY SHALL REMAIN IN OPERATION DURING RENOVATION. INTERRUPTION TO THE EXISTING BUILDING ELECTRIC SERVICE SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION. INTERRUPTION OF UTILITIES SHALL NOT OCCUR DURING SCHOOL WORKING HOURS.
- C. REMOVE AND REINSTALL EXISTING CEILING TILES WITHIN CONSTRUCTION AREAS AS REQUIRED.
- D. CONSTRUCTION SHALL BE PERFORMED IN PHASES. AVOID INTERRUPTION TO ANY SERVICES. GENERATOR POWER DISTRIBUTION SYSTEM SHALL BE OPERATIONAL AT ALL TIMES WHEN SCHOOL IS IN SESSION.

SPECIFIC NOTES:

1 PROVIDE 2 #12 + #12 GROUND IN 3/4" CONDUIT AND CONNECT TO NEAREST EXISTING UNSWITCHED EMERGENCY LIGHTING CIRCUIT.



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland, License No. 24861, Expiration date 02-24-2024.



Mechanical & Electrical

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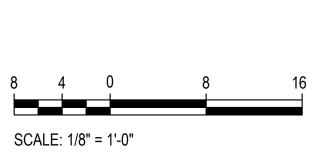
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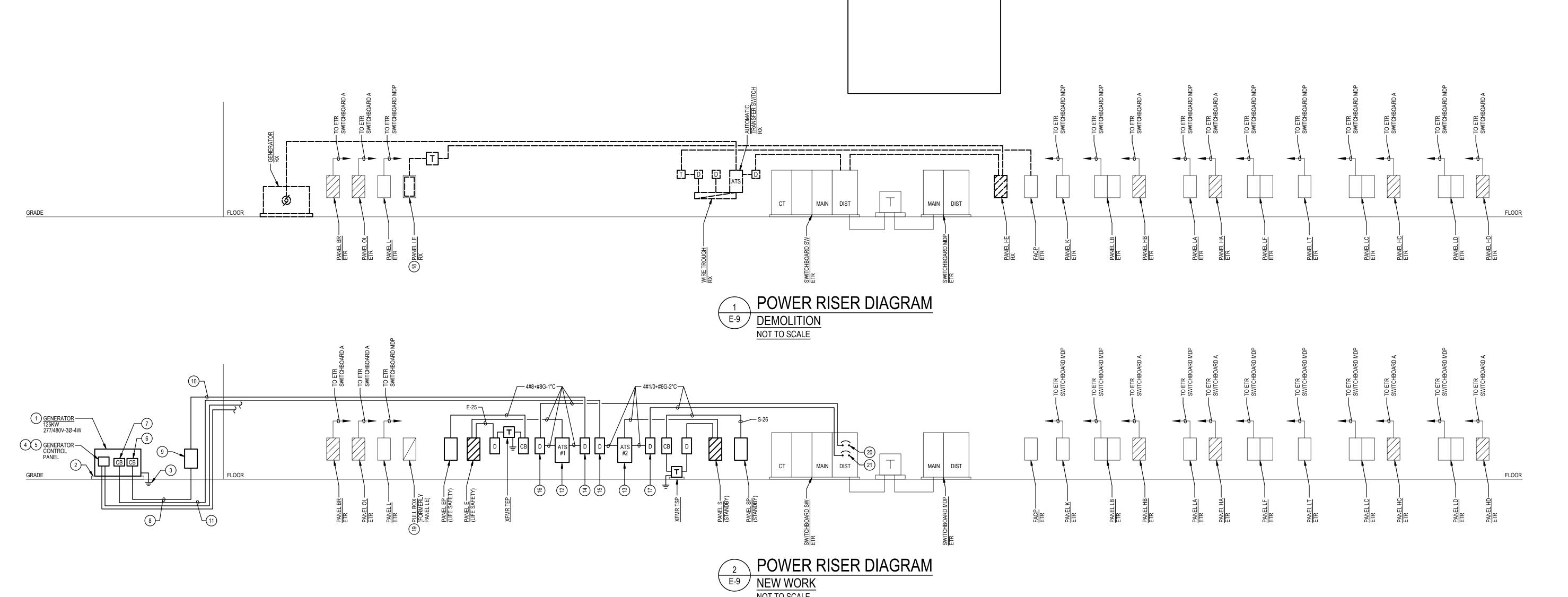
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Drawing Title PART FLOOR PLAN AREA D NEW WORK

KEY PLAN

NOT TO SCALE





		277 / 480 VOLTS	3 PHA	SE 4	1 WIF	RE			125	5 AN	1PB	US		SURFACE M	OUNTED		
CIR-	POLE	DESCRIPTION	WRE/	BRE	AKER			KVA	\/Ø			CIR-	POLE	DESCRIPTION	WIRE/	BRE	
CUIT			CONDUIT	POLE	AMP	Α	Ø	В	Ø	0	Ø	CUIT			CONDUIT	POLE	AM
	1	SPARE		1	20								2	SPARE		1	20
	3	SPARE		1	20								4	SPARE		1	20
	5	SPARE		1	20								6	SPARE		1	20
7	7	LTG - MECH, ELEC, KITCHEN	#10-3/4"C	1	20	2.8	2.1					8	8	LTG, EXIT SIGNS	#8-3/4"C	1	20
	9	SPARE		1	20				8.0			10	10	LTG - MULTIPURPOSE	#10-3/4"C	1	20
11	11	LTG - GYM	#10-3/4"C	1	20					0.3	1.8	12	12	LTG, EXIT SIGNS	#8-3/4"C	1	20
13	13	LTG, EXIT SIGNS	#8-3/4"C	1	20	1.7	-					-	14	SPACE AND PROVISIONS	-	1	-
15	15	LTG, EXIT SIGNS	#8-3/4"C	1	20			1.9	-			-	16	SPACE AND PROVISIONS	-	1	-
-	17	SPACE AND PROVISIONS	-	1	-					_	-	-	18	SPACE AND PROVISIONS	-	1	-
-	19	SPACE AND PROVISIONS	Ħ	1	н.	-	-					-	20	SPACE AND PROVISIONS	Ħ	1	-
-	21	SPACE AND PROVISIONS	=	1	-			-1	-			-	22	SPACE AND PROVISIONS	-	1	-
-	23	SPACE AND PROVISIONS	-	1	-					-	-	-	24	SPACE AND PROVISIONS	-	1	-
25	25	XFMR TEP	3#12+	3	25	1.0	-					26	26	SURGE PROTECTIVE DEVICE	4#8+	3	30
-	27	(SERVING PANEL EP)	#12G-					1.0	-			-	28		#8G-		
-	29		3/4"C							0.5		-	30		1"C		
		1				5.5	2.1	2.9	8.0	0.8	1.8						
		CONNECTED LOAD =	13.9	KVA		7	⁷ .6	3	.7	2	.6						
														MAIN FUSE	50	AMPS	5
		DEMAND LOAD =	13.9	KVA													
		NAIN A IO DATINO	10.000	ANIDO	0)/1/4	4ETD1	0.41							LOCATION	MEGUANIO	A.L. D.M.	
		MIN AIC RATING =	42,000	AIVIPS	SYMN	IETRI	CAL							LOCATION	MECHANICA	AL RIVI	

		120 / 208 VOLTS	3 PHA	SE 4	4 WIF	RE			100	O AN	IP B	US		SURFACE MO	DUNTED		
CIR-	POLE	DESCRIPTION	WRE/ CONDUIT		AKER	Α	Ø	KV/ B	A /Ø Ø	С	Ø	CIR- CUIT	POLE	DESCRIPTION	WIRE/ CONDUIT	BRE/ POLE	
1	1	FACP	#10-3/4"C	1	20	1.0						2	2	SPARE		1	
3	3	BLOCK HEATER	#10-1"C	1	20			1.0				4	4	SPARE		1	
5	5	BATTERY CHARGER	#10-1"C	1	20					0.5		6	6	SPARE		1	
7	7	SPARE		1	20							8	8	SPARE		1	
9	9	SPARE		1	20							10	10	SPARE		1	
11	11	SPARE		1	20							12	12	SPARE		1	Γ
_	13	SPACE AND PROVISIONS	-	1	-	ī	-					-	14	SPACE AND PROVISIONS	-	1	
-	15	SPACE AND PROVISIONS	-	1				-	=			-	16	SPACE AND PROVISIONS	-	1	Γ
-	17	SPACE AND PROVISIONS	-	1	-					•	1	-	18	SPACE AND PROVISIONS	-	1	
		CONNECTED LOAD =	2.5	KVA		1.0 1	0.0	1.0 1	0.0	0.5				MAINELIOE	50	AMDO	_
		DEMAND LOAD =	2.5	KVA										MAIN FUSE	50	_AMPS	5
		MIN AIC RATING =	10,000	AMPS	SYMM	1ETRIC	CAL							LOCATION	ELECTRICA	AL RM	_

		277 / 480 VOLTS	3 PHA	SE 4	WIF	RE			250	AN C	1PB	US		SURFACE M	OUNTED		
CIR-	POLE	DESCRIPTION	WIRE/ CONDUIT	BRE/ POLE	AKER	A	Ø		A /Ø Ø	С	Ø	CIR-	POLE	DESCRIPTION	WIRE/ CONDUIT	BRE/ POLE	
1	1	PUMP P-1	3#6+	3	60	7.2	7.2					2	2	PUMP P-2	3#6+	3	60
-	3	1	#10G-					7.2	7.2			-	4		#10G-		
_	5	1	1"C							7.2	7.2	-	6		1"C		
7	7	PUMP P-3	3#12+	3	15	1.3	1.3					8	8	PUMP P-4	3#12+	3	15
-	9		#12G-					1.3	1.3			-	10		#12G-		
-	11		3/4"C							1.3	1.3	-	12		3/4"C		
13	13	DUCTFAN	3#12+	3	20	0.4							14	SPARE		1	20
-	15	1	#12G-					0.4					16	SPARE		1	20
-	17	1	3/4"C							0.4			18	SPARE		1	20
-	19	SPACE AND PROVISIONS	-	1	-	-	-					-	20	SPACE AND PROVISIONS	-	1	-
-	21	SPACE AND PROVISIONS	-	1	-			-	-			-	22	SPACE AND PROVISIONS	-	1	-
-	23	SPACE AND PROVISIONS	-	1	-					1-	-	-	24	SPACE AND PROVISIONS	-	1	-
n_	25	SPACE AND PROVISIONS	-	1	-	-	11.2					26	26	XFMR TSP	3#3+	3	90
-	27	SPACE AND PROVISIONS	-	1	-			-	9.1			-	28	(SERVING PANEL SP)	#8G-		
-	29	SPACE AND PROVISIONS	-	1	-					-	11.9	-	30		1 1/4"C		
		CONNECTED LOAD =	84.4	KVA			19.7 3.6		17.6 3.5		20.4		•			•	
		DEMAND LOAD =	84.4	KVA										MAIN BREAKEF	R 150	_AMPS	í

CID.	POLE	120 / 208 VOLTS DESCRIPTION	3 PHAS	10 N N	AKER	Ҡ҅		KVA	1-0-2	AN	1PB	US CIR-	DOI E	SURFACE M DESCRIPTION	OUNTED WRE/	BRE	AKER			
CUIT	OLL	DESCRIPTION		1000 001 000	AMP	Α	Ø	B		С	Ø	CUIT	FOLL	DESCRIPTION	CONDUIT	POLE				
1	1	FAN#5 (PLATFORM)	(2)	1	20	0.7	0.5					2	2	SOUND SYSTEM	(2)	1	20			
3	3	SECURITY SYSTEM	(2)	1	20			0.5	0.5			4	4	CABLE TV	(2)	1	20			
	5	SPARE		1	20						0.5	6	6	CABLE TV	(2)	1	20			
7	7	GYM AMPLIFIER	(2)	1	20	0.5	0.5					8	8	MULTIPURPOSE AMPLIFIER	(2)	1	20			
9	9	TELEPHONE SYSTEM	(2)	1	20			0.5	0.1			10	10	MECH SHUTOFF SWITCH	(2)	1	20			
11	11	CHILLER HEATER	(2)	1	20					1.5			12	SPARE		1	20			
13	13	FREEZER COMPRESSOR	2#8+	2	40	3.0	0.5					14	14	BOILER	#10-3/4"C	1	20			
-	15		#10G-3/4"C					3.0	0.5			16	16	BOILER CONTROLS	#10-3/4"C	1	20			
17	17	COOLER COMPRESSOR	2#12+	2	20					1.5	0.5	18	18	BOILER	#10-3/4"C	1	20			
_	19	-	#12G-3/4"C			1.5	0.5					20	20	BOILER CONTROLS	#10-3/4"C	1	20			
21	21	FREEZER EVAPORATOR	#12-3/4"C	1	20			1.0	0.3			22	22	PUMP-5	#10-3/4"C	1	20			
23	23	COOLER EVAPORATOR	#12-3/4"C	1	20					1.0	0.3	24	24	PUMP-6	#10-3/4"C	1	20			
25	25	REACH-IN REFRIGERATOR	#10-3/4"C	1	20	1.0	0.6					26	26	PUMP-7	#10-3/4"C	1	20			
27	27	REC - SERVER	#8-3/4"C	1	20			1.0	0.2			28	28	FA BOOSTER PANEL	#10-3/4"C	1	20			
29	29	REC - HEALTH (1)	#8-3/4"C	1	20					0.2			30	SPARE		1	20			
31	31	REC - STORAGE 4	#8-3/4"C	1	20	0.4							32	SPARE		1	20			
33	33	REC - STORAGE 4	#8-3/4"C	1	20			0.4					34	SPARE		1	20			
35	35	REC - BY GENERATOR	#10-3/4"C	1	20					0.2			36	SPARE		1	20			
	37	SPARE		1	20								38	SPARE		1	20			
	39	SPARE		1	20								40	SPARE		1	20			
	41	SPARE		1	20								42	SPARE		1	20			
-	43	SPACE AND PROVISIONS	-	1	-	-						-	44	SPACE AND PROVISIONS	-	1	-			
-	45	SPACE AND PROVISIONS	-	1	-			-	-			-	46	SPACE AND PROVISIONS	-	1	-			
-	47	SPACE AND PROVISIONS	-	1	-					1	-	-	48	SPACE AND PROVISIONS	-	1	-			
-	49	SPACE AND PROVISIONS	-	1	-	-						-	50	SPACE AND PROVISIONS	-	1	-			
-	51	SPACE AND PROVISIONS	-	1	-			-	-			-	52	SPACE AND PROVISIONS	-	1	-			
-	53	SPACE AND PROVISIONS	_	1	-					-	-	-	54	SPACE AND PROVISIONS	-	1	-			
		CONNECTED LOAD =	23.4	KVA		7.1 9	2.6 .7	6.4 8.	1.6 .0	4.4 5	•									
		DEMAND LOAD =	23.4	KVA										MAIN BREAKER	KER 150 AMPS					
		MIN AIC RATING =	10,000	AMPS	SYMM	/IETRIC	CAL			LOCATION CORRIDOR										

(3) PROVIDE PANELBOARD WITH INTEGRAL SURGE PROTECTION DEVICE.

AKER AMP 20	-	TRANSFORMER DESIG. KVA		LOCATION	PRIMARY FEEDER	SECONDARY TAP WIRING & CONDUIT (NOTE A)	GROUNDING ELECTRODE CONDUCTOR	EQUIPMENT SERVED						
20		TEP	15	STORAGE	E-25	4 #8 + #8G - 1"C	#8	PANEL EP						
20	=	TSP	45	STORAGE	S-26	4#1/0+#6G-2"C	#6	PANEL SP						
20	-													
20	-	TRANSFOR	MER GEN	ERAL NOTES:										
20	-	A. TRANSFO	ORMER SE	ECONDARY TAP: COND		ED REFLECT PHASE, NEUTRAL (IN WYE-CO	• • • • • • • • • • • • • • • • • • • •							
20]					WITH NATIONAL ELECTRICAL CODE (NEC) A		21, AND 250.30.						
20]	B. TRANSFORMER SHALL HAVE 480-VOLT, 3-PHASE, DELTA PRIMARY AND 120/208-VOLT, 3-PHASE, WYE SECONDARY. TRANSFORMER SPECIFIC NOTES: 1. PROVIDE WALL MOUNT BRACKETS FOR MOUNTING ON MASONRY WALL.												
20														
20				OUNT BRACKETS FOR IN GH HOUSEKEEPING PAI		SONRY WALL.								
20														
20	-													
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GENERAL NOTES:

- A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAIL OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
- B. THE EXISTING FACILITY SHALL REMAIN IN OPERATION DURING RENOVATION. INTERRUPTION TO THE EXISTING BUILDING ELECTRIC SERVICE SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION. INTERRUPTION OF UTILITIES SHALL NOT OCCUR DURING SCHOOL WORKING HOURS.
- C. REMOVE AND REINSTALL EXISTING CEILING TILES WITHIN CONSTRUCTION
- D. CONSTRUCTION SHALL BE PERFORMED IN PHASES. AVOID INTERRUPTION TO ANY SERVICES. GENERATOR POWER DISTRIBUTION SYSTEM SHALL BE OPERATIONAL AT ALL TIMES WHEN SCHOOL IS IN SESSION.
- E. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY DASHED (———) SHALL BE REMOVED AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (—) SHALL REMAIN.
- F. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.
- G. WHERE EQUIPMENT IS NOTED "DISCONNECT" OR "REMOVE", REMOVE ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE H. REMOVE EXISTING EQUIPMENT AND DEVICES INDICATED, INCLUDING

ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE UNLESS OTHERWISE

EXISTING CIRCUITS INTERRUPTED BY DEMOLITION, BUT ARE TO REMAIN, SHALL BE MADE CONTINUOUS.

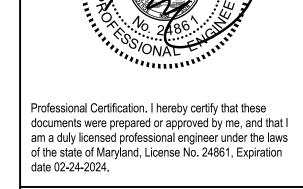
SPECIFIC NOTES:

- 1) PROVIDE TYPE 10 GENERATOR, PER NFPA 110. THE GENERATOR SHALL BE ABLE TO PROVIDE GENERATOR POWER TO THE SCHOOL WITHIN 10 SECONDS AFTER A UTILITY POWER OUTAGE.
- 2 PROVIDE GENERATOR CONCRETE PAD. REFER TO DETAIL 1/E-0 FOR ADDITIONAL INFORMATION.
- (3) REFER TO DIAGRAM 3/E-0 FOR GENERATOR GROUNDING.
- 4 PROVIDE GENERATOR CONTROL WIRING IN CONDUIT BETWEEN GENERATOR CONTROL PANEL AND ASSOCIATED AUTOMATIC TRANSFER SWITCHES. MAKE CONNECTIONS NECESSARY FOR COMPLETE INSTALLATION. GENERATOR
 CONTROL WIRING SHALL BE AS PER GENERATOR MANUFACTURER'S RECOMMENDATIONS.
- (5) PROVIDE WIRING IN CONDUIT FROM GENERATOR CONTROL PANEL TO GENERATOR REMOTE ALARM ANNUNCIATOR PANEL. WIRING SHALL BE AS PER GENERATOR MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE 3P-200A ELECTRONIC TRIP CIRCUIT BREAKER TO SERVE GENERATOR EMERGENCY (LIFE SAFETY) LOADS. MOUNT CIRCUIT BREAKER WITHIN GENERATOR ENCLOSURE AND MAKE CONNECTIONS. COORDINATE LOCATION OF CIRCUIT BREAKER WITH GENERATOR MANUFACTURER.
- 7 PROVIDE 3P-150A CIRCUIT BREAKER TO SERVE GENERATOR STANDBY LOADS.
 MOUNT CIRCUIT BREAKER WITHIN GENERATOR ENCLOSURE AND MAKE
 CONNECTIONS. COORDINATE LOCATION OF CIRCUIT BREAKER WITH GENERATOR MANUFACTURER. 8 PROVIDE 4 #3/0 + #6 GROUND IN 2" CONDUIT BETWEEN 3P-200A ELECTRONIC TRIP CIRCUIT BREAKER AT GENERATOR SERVING EMERGENCY (LIFE SAFETY) LOADS AND GENERATOR DOCKING STATION, SIZED FOR LOAD BANK
- 9) PROVIDE 200A GENERATOR DOCKING STATION IN NEMA TYPE 3R ENCLOSURE, EQUAL TO TRYSTAR DBDS-5 WITH 3P-50A CIRCUIT BREAKERS, KIRK KEY INTERLOCKED, FOR CONNECTIONS TO ATS-1 AND PORTABLE MOBILE GENERATOR. FEEDER FOR LOAD BANK CONNECTION SHALL BE SIZED FOR 200A. PROVIDE SIGN ON FRONT OF GENERATOR DOCKING STATION TO READ
- AS FOLLOWS "SERVING EMERGENCY TRANSFER SWITCH (ATS-1) IN ELECTRICAL ROOM, 120/208V, 3-PHASE, 4-WIRE". (10) PROVIDE 4 #8 + #8 GROUND IN 1" CONDUIT.
- PROVIDE 4 #1/0 + #6 GROUND IN 2" CONDUIT. 12) PROVIDE 4P-50A AUTOMATIC TRANSFER SWITCH (ATS) TO SERVE EMERGENCY CLOSING RATING OF 65K AIC. PROVIDE NAMEPLATE ON FRONT OF ATS TO READ "EMERGENCY ATS".
- PROVIDE 4P-150A AUTOMATIC TRANSFER SWITCH (ATS) TO SERVE STAND-BY LOADS. ATS SHALL HAVE A MINIMUM UL 1008 WITHSTAND AND CLOSING RATING OF 65K AIC. PROVIDE NAMEPLATE ON FRONT OF ATS TO READ
- PROVIDE 3P-60A-600V NON-FUSED ENCLOSED SWITCH WITH NEUTRAL KIT IN NEMA TYPE 1 ENCLOSURE TO SERVE GENERATOR EMERGENCY / LIFE SAFETY
- PROVIDE 3P-200A-600V NON-FUSED ENCLOSED SWITCH WITH NEUTRAL KIT IN NEMA TYPE 1 ENCLOSURE TO SERVE GENERATOR STAND-BY LOADS.
- PROVIDE 3P-60A-600V FUSED ENCLOSED SWITCH WITH NEUTRAL KIT IN NEMA TYPE 1 ENCLOSURE. PROVIDE WITH 50A CURRENT LIMITING FUSES. PROVIDE 3P-200A-600V FUSED ENCLOSED SWITCH WITH NEUTRAL KIT IN NEMA TYPE 1 ENCLOSURE. PROVIDE WITH 150A CURRENT LIMITING FUSES.
- (18) REFER TO SPECIFIC NOTE 5/E-2 FOR ADDITIONAL INFORMATION.
- (19) REFER TO SPECIFIC NOTE 5/E-6 FOR ADDITIONAL INFORMATION.
- (20) PROVIDE 3P-50A CIRCUIT BREAKER IN AVAILABLE SPACE IN EXISTING SWITCHBOARD SW. TYPE AND AIC RATING OF CIRCUIT BREAKER TO MATCH

NOTES

SCHEDULE OF TRANSFORMERS

PROVIDE 3P-150A CIRCUIT BREAKER IN AVAILABLE SPACE IN EXISTING SWITCHBOARD SW. TYPE AND AIC RATING OF CIRCUIT BREAKER TO MATCH



Engineering Your Vision

Mechanical & Electrical

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Consulting Engineers 11155 Red Run Boulevard, Suite 310 Baltimore, Maryland 21117

Tag		Description	Date
	BID SET		02/06/2
		T	
PSC No			
Scale		AS NOTED	
Project No		7754-22	

FEBRUARY 6, 2023

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