

Switchboard Replacement

SLIGO CREEK ELEMENTARY SCHOOL

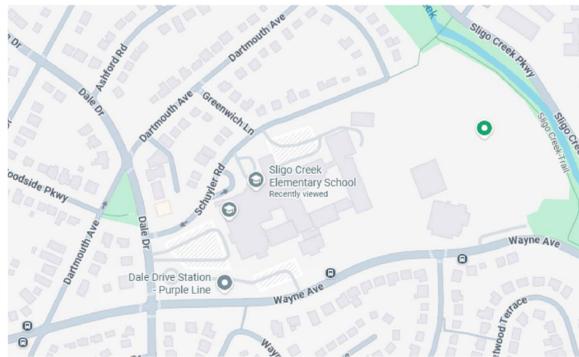
500 SCHUYLER ROAD SILVER SPRING, MD 20910

Montgomery County Public Schools

ELECTRICAL ENGINEERS
 JAMES POSEY ASSOCIATES, INC.
 11155 RED RUN BOULEVARD, SUITE 310
 BALTIMORE, MARYLAND 21117
 PHONE: 410.265.6100

SWITCHBOARD REPLACEMENT
SLIGO CREEK ELEMENTARY SCHOOL
 500 SCHUYLER ROAD
 SILVER SPRING, MD 20910
 MONTGOMERY COUNTY PUBLIC SCHOOLS

VICINITY PLAN



AERIAL SITE PLAN



DRAWING INDEX

- T-1 TITLE SHEET
- ELECTRICAL**
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- E-1 PART LOWER LEVEL FLOOR PLAN - DEMOLITION
- E-2 PART LOWER LEVEL FLOOR PLAN - NEW WORK
- E-3 PART MAIN LEVEL FLOOR PLAN - NEW WORK
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PROFESSIONAL CERTIFICATION

These contract documents for Sligo Creek 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 State of Maryland.

01/20/2026 (Date)
 Maryland Professional Engineer Registration No. 24861



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: 02-24-2026.

APPLICABLE CODES & STANDARDS

- 2018 IBC: INTERNATIONAL BUILDING CODE
- NEC 2017: NATIONAL ELECTRICAL CODE

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BOARD OF EDUCATION

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MS. LAURA STEWART	DISTRICT 4
MS. JULIE YANG	DISTRICT 3
MS. NATALIE ZIMMERMAN	DISTRICT 2
MS. ANUVA MALOO	STUDENT MEMBER

CODE ANALYSIS

CODE ANALYSIS (FROM INTERNATIONAL BUILDING CODE/2018)		
	EXISTING BLDG	PROPOSED ALTERATION
IBC OCCUPANCY CLASSIFICATION	E	THE SCOPE OF THIS WORK IS TO REPLACE EXISTING SWITCHBOARD AND EXISTING FLUORESCENT LIGHTING IN THE MAIN ELECTRICAL ROOM TO NEW LED LIGHTING. THERE IS NO INCREASE IN FLOOR AREA, NO SITE CHANGES, NO CHANGE IN CLASSIFICATION OR TYPE OF CONSTRUCTION.
TYPE OF CONSTRUCTION	IIB	
NUMBER OF STORIES ABOVE GRADE	2	
HIGH RISE (Y/N)	N	
FIRE ALARM (Y/N)	Y	
FULLY SPRINKLERED (Y/N)	Y	
TOTAL BUILDING FLOOR AREA	87,744 SF	

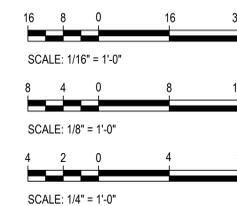
SCOPE OF WORK

SCOPE OF WORK GENERALLY CONSISTS OF THE FOLLOWING:

- * REPLACE OBSOLETE WESTINGHOUSE SWITCHBOARD IN-KIND WITH NEW SWITCHBOARD.
- * PROVIDE NEW SECONDARY SERVICE CABLES FROM THE EXISTING TRANSFORMER TO THE NEW SWITCHBOARD.
- * REPLACE FLUORESCENT STRIP LIGHTS LOCATED IN MAIN ELECTRICAL ROOM WITH NEW LED LIGHTING FIXTURES.

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

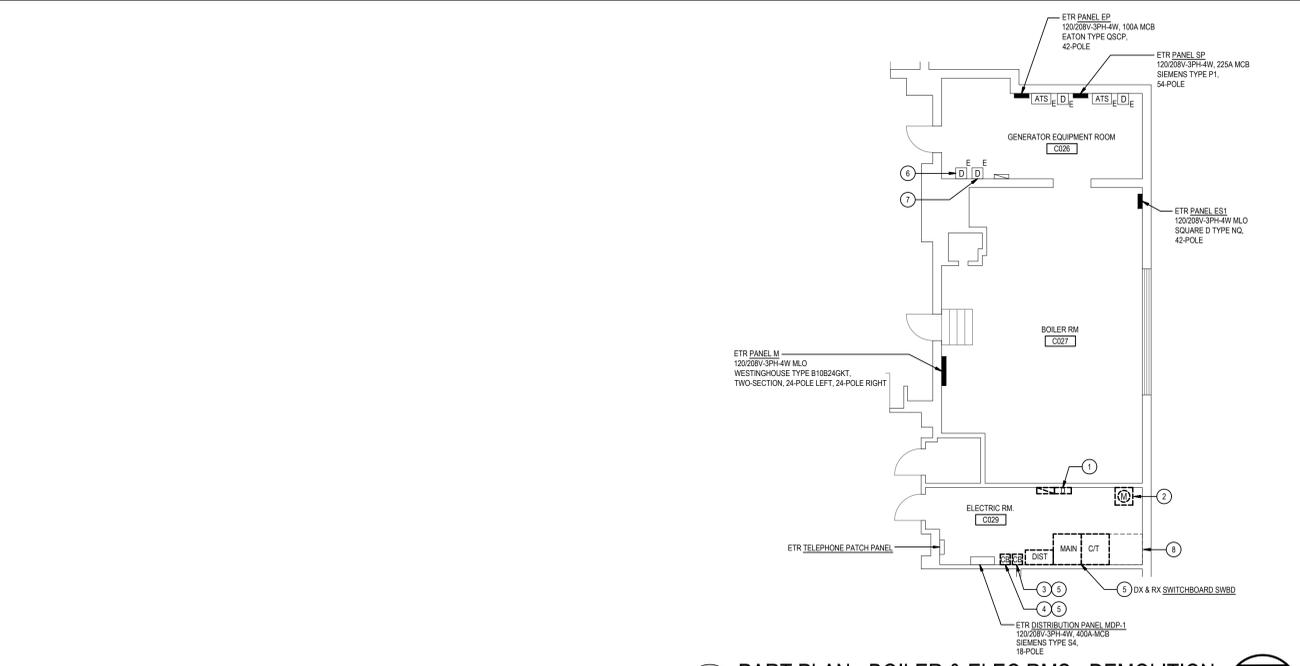


CAUTION: EXCEPT WHERE DIMENSIONS ARE INDICATED, GRAPHIC SCALE MUST BE USED.

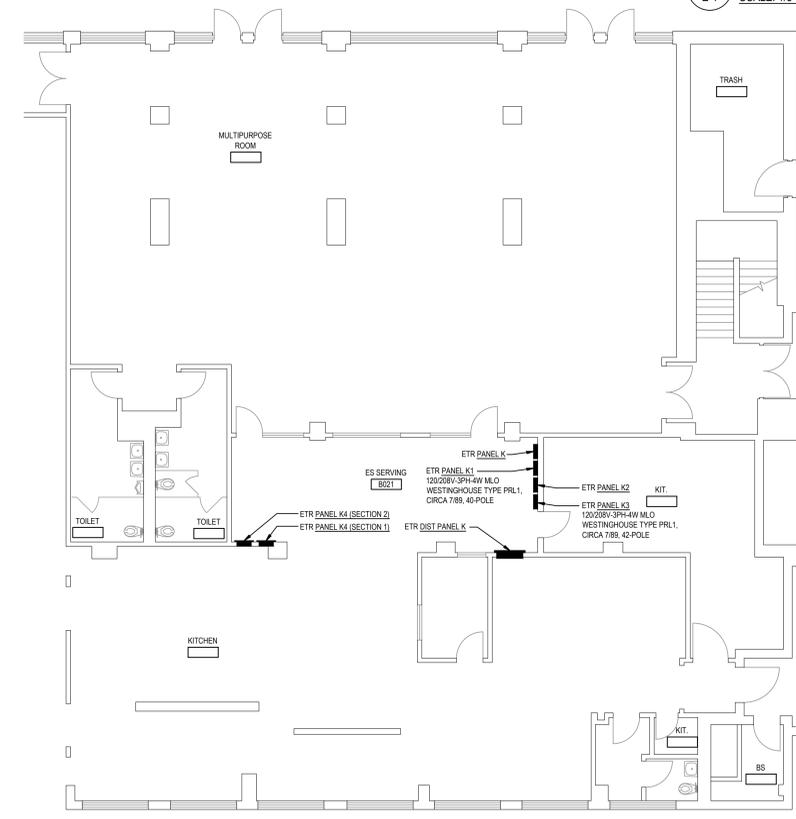
Tag	Description	Date
	BID DOCUMENTS	01/20/26

PSC No	L15F264
Scale	NONE
Project No	8213-25
Date	JANUARY 20, 2026
Drawing Title	TITLE SHEET

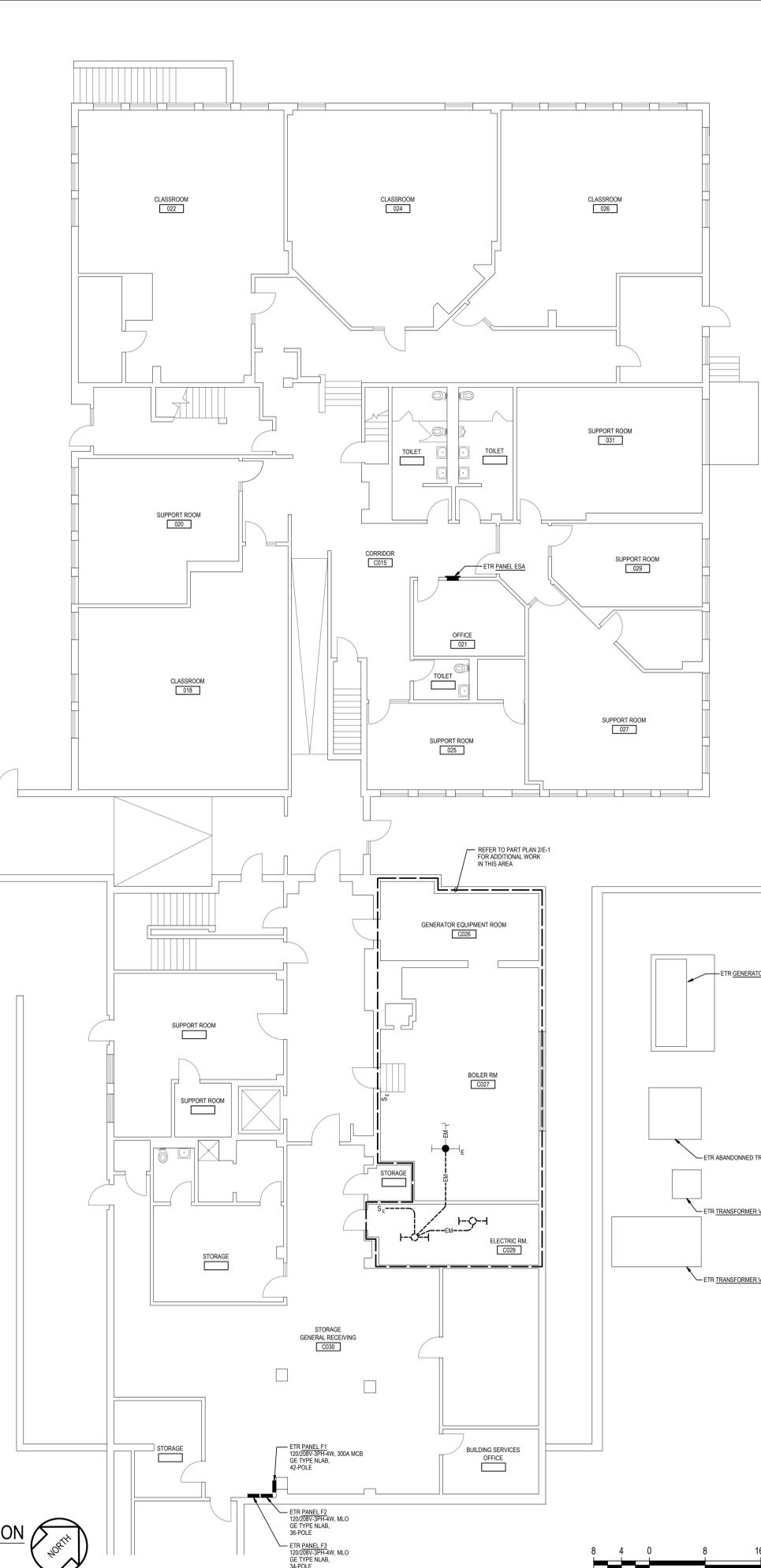
Sheet No:
T-1



2 PART PLAN - BOILER & ELEC RMS - DEMOLITION
SCALE: 1/8" = 1'-0"



1 PART LOWER LEVEL FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"



- GENERAL NOTES:**
- 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.
 - THE EXISTING FACILITY SHALL REMAIN IN OPERATION DURING REMOVAL/INTERUPTION TO THE EXISTING BUILDING ELECTRIC SERVICE SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION. INTERUPTION OF UTILITIES SHALL NOT OCCUR DURING SCHOOL WORKING HOURS.
 - REMOVE AND REINSTALL EXISTING CEILING TILES WITHIN CONSTRUCTION AREAS AS REQUIRED.
 - UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY DASHED (---) SHALL BE REMOVED AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (---) SHALL REMAIN.
 - DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.
 - REMOVE EXISTING EQUIPMENT AND DEVICES INDICATED, INCLUDING ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE UNLESS OTHERWISE NOTED.
 - EXISTING CIRCUITS INTERRUPTED BY DEMOLITION, BUT ARE TO REMAIN, SHALL BE MADE CONTINUOUS.
- SPECIFIC NOTES:**
- DX & RX 600A ENCLOSED SWITCH
 - DX PEPCO UTILITY METER, PEPCO NUMBER: KZD351642054, SALVAGE FOR RELOCATION UNDER NEW WORK PHASE.
 - DX & RX ENCLOSED CIRCUIT BREAKER ECB-ATS-2-N
 - DX & RX ENCLOSED CIRCUIT BREAKER ECB-ATS-1-N
 - DISCONNECT AND MAINTAIN EXISTING CONDUITS AND CONDUCTORS FOR RECONNECTION TO NEW DISTRIBUTION EQUIPMENT.
 - ETR 100A ENCLOSED SWITCH
 - ETR 400A ENCLOSED SWITCH
 - REMOVE WIREWAY FOR SERVICE ENTRANCE AND PROVIDE NEW WIREWAY AS REQUIRED UNDER NEW WORK.

SWITCHBOARD REPLACEMENT
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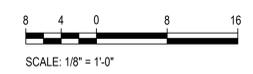
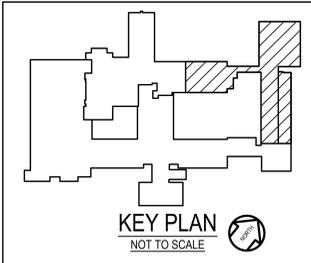
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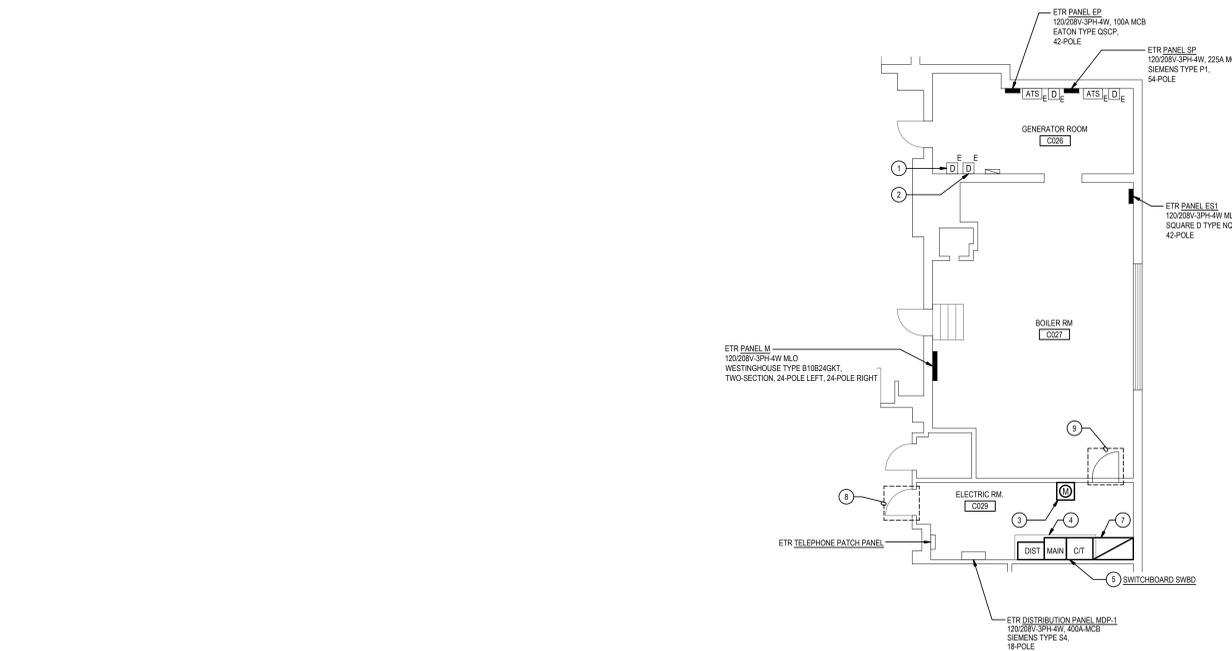
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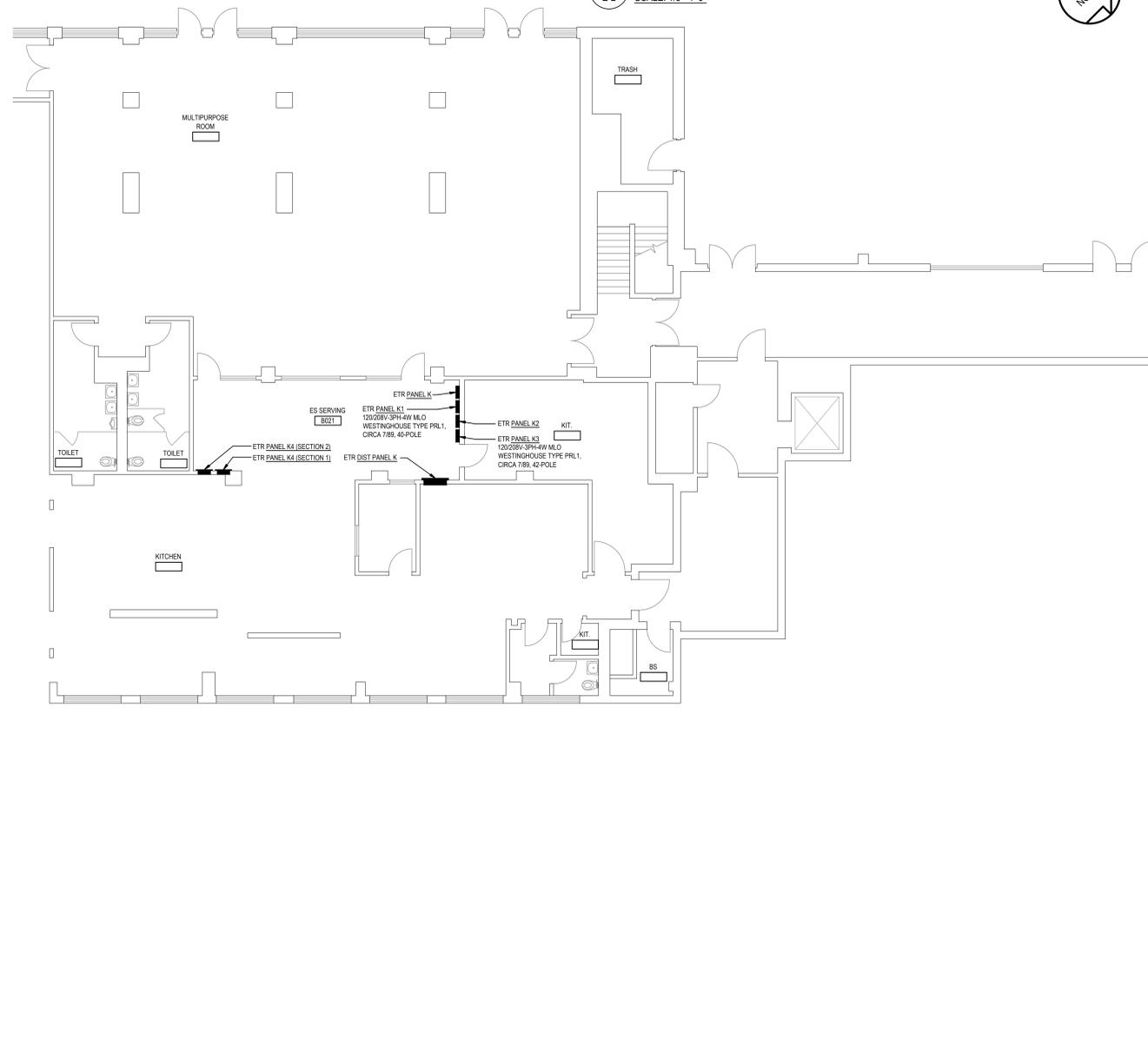
PSC No	L15F264
Scale	AS NOTED
Project No	8213-25
Date	JANUARY 20, 2026
Drawing Title	PART LOWER LEVEL FLOOR PLAN - DEMOLITION

Sheet No: **E-1**

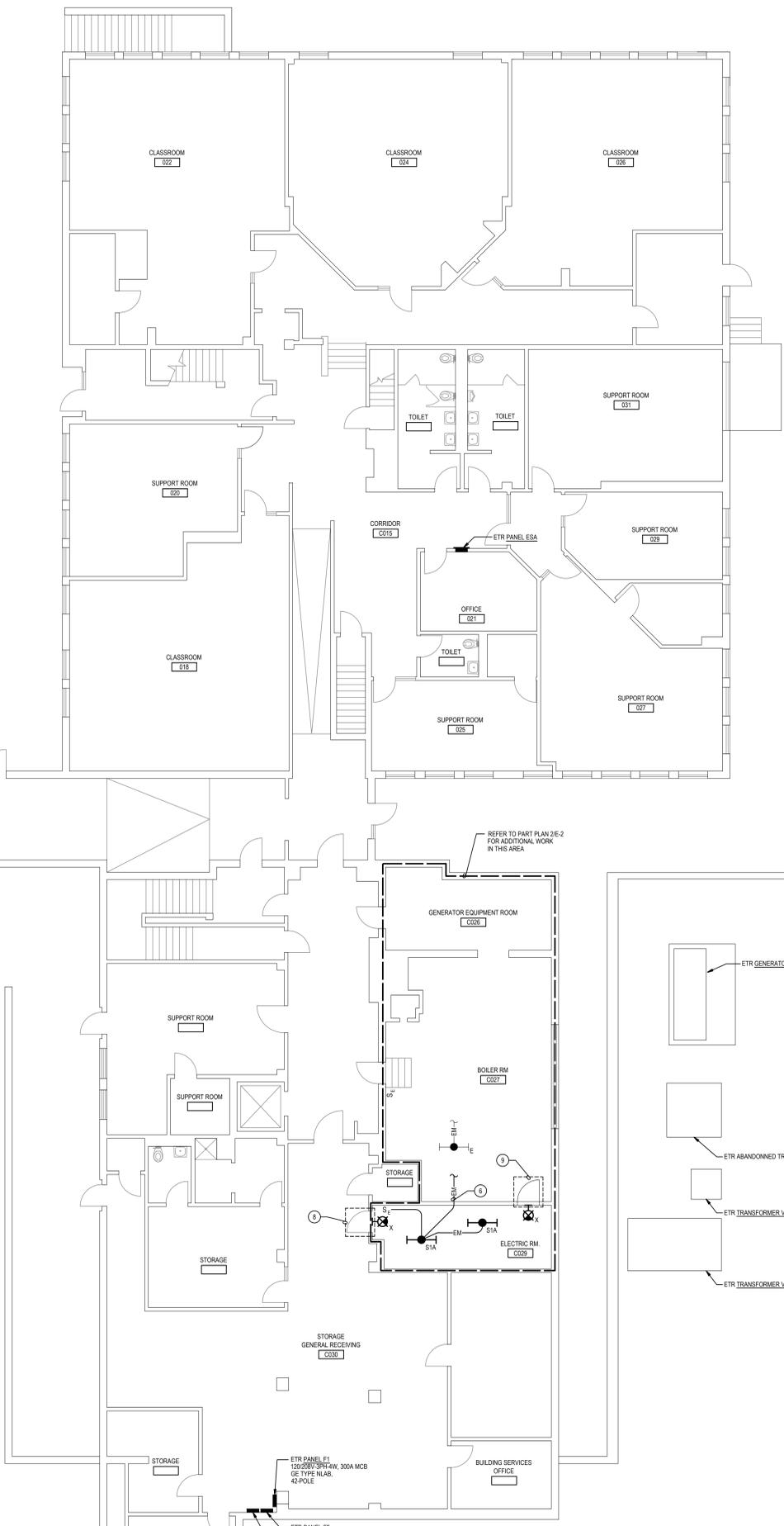




2 PART PLAN - BOILER & ELEC RMS - NEW WORK
SCALE: 1/8" = 1'-0"



1 PART LOWER LEVEL FLOOR PLAN - NEW WORK
SCALE: 1/8" = 1'-0"



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 - 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.
 - REMOVE AND REINSTALL EXISTING CEILING TILES WITHIN CONSTRUCTION AREAS AS REQUIRED.
- SPECIFIC NOTES:**
- ETR 100A ENCLOSED SWITCH
 - ETR 400A ENCLOSED SWITCH
 - REINSTALL PERCO UTILITY METERS, PEPCO NUMBER: KZD351842054, SALVAGED DURING DEMOLITION
 - PROVIDE 4" HIGH CONCRETE HOUSEKEEPING PAD
 - MODIFY EXISTING CONDUIT LENGTHS FOR CONNECTION TO NEW SWITCHBOARD. REFER TO RISER DIAGRAMS ON E-6 FOR ADDITIONAL WIRING AND CONFIGURATION INFORMATION
 - CONNECT TO EXISTING UNSWITCHED EMERGENCY LIGHTING CIRCUIT. PROVIDE 2 #12 + #12 GROUND IN 3/4" CONDUIT AND CONNECT TO NEW LIGHTING FIXTURE.
 - PROVIDE PULLBOX FOR SERVICE ENTRANCE CABLES. REFER TO SWITCHBOARD ELEVATION 02-3 FOR ADDITIONAL INFORMATION.
 - DOOR MODIFICATIONS FOR PANIC HARDWARE SHALL BE PROVIDED BY MCP'S UNDER SEPARATE CONTRACT.
 - NEW EGRESS DOOR WITH PANIC HARDWARE SHALL BE PROVIDED BY MCP'S UNDER SEPARATE CONTRACT.

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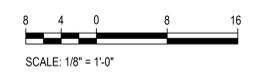
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PSC No: L15F264
Scale: AS NOTED
Project No: 8213-25
Date: JANUARY 20, 2026
Drawing Title: PART LOWER LEVEL FLOOR PLAN - NEW WORK

Sheet No: **E-2**

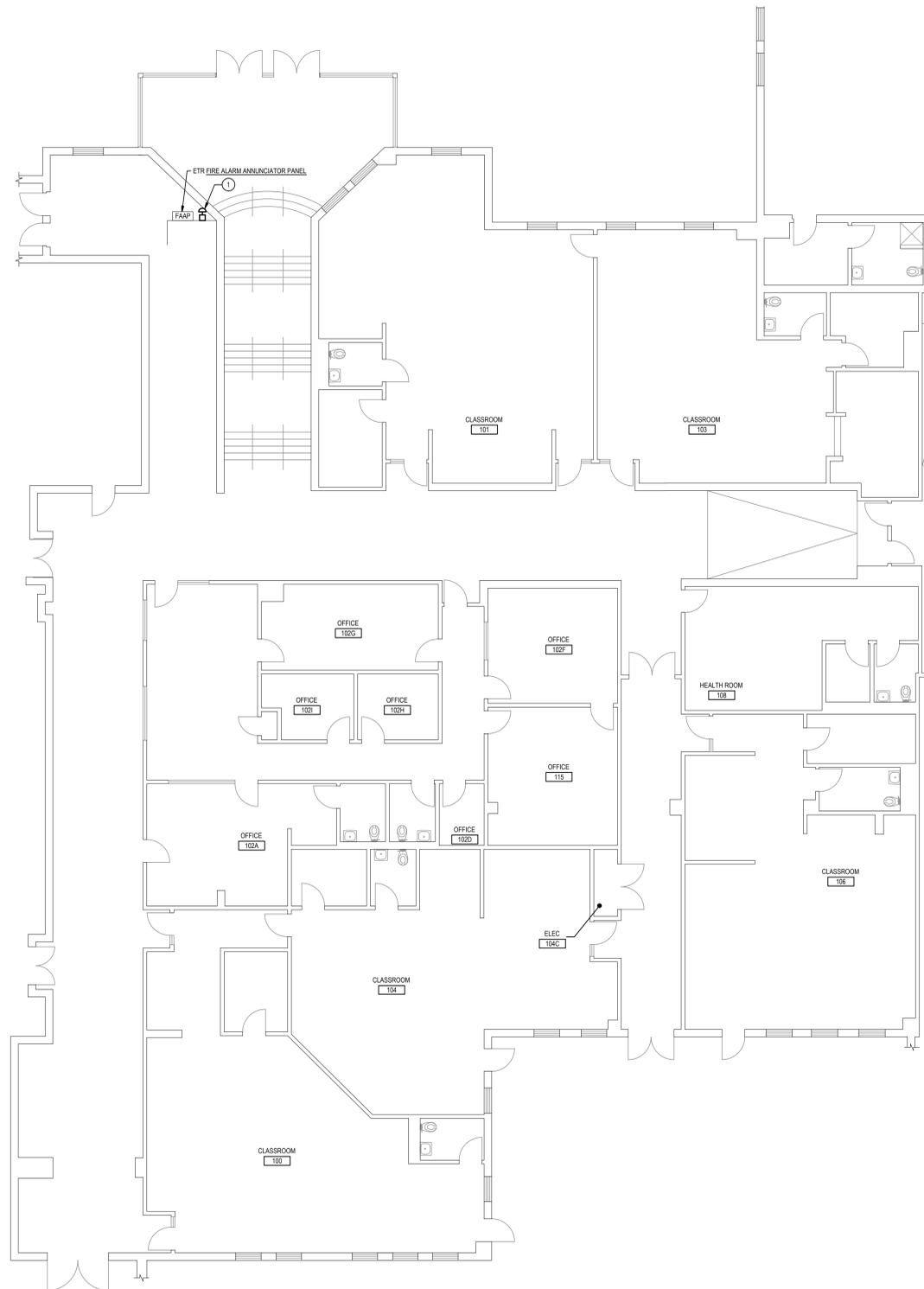


GENERAL NOTES:

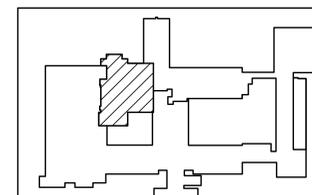
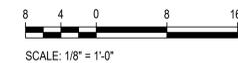
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- B. THE EXISTING FACILITY SHALL REMAIN IN OPERATION DURING RENOVATION. INTERRUPTION TO THE EXISTING BUILDING ELECTRIC SERVICE SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION. INTERRUPTION OF UTILITIES SHALL NOT OCCUR DURING SCHOOL WORKING HOURS.
- C. REMOVE AND REINSTALL EXISTING CEILING TILES WITHIN CONSTRUCTION AREAS AS REQUIRED.

SPECIFIC NOTES:

- ① PROVIDE NEW EMERGENCY POWER OFF SWITCHBOARD PUSHBUTTON FOR SWITCHBOARD 51910 IN A LOCKABLE ENCLOSURE ADJACENT TO EXISTING FIRE ALARM ANNUNCIATOR PANEL. PROVIDE FIRE DEPARTMENT KNOX BOX AND LOCATE KEY IN FIRE DEPARTMENT KNOX BOX ABOVE PUSHBUTTON AT 7' ABOVE FLOOR.



① PART MAIN LEVEL FLOOR PLAN - NEW WORK
E-3 SCALE: 1/8"=1'-0"



KEY PLAN
NOT TO SCALE

SWITCHBOARD REPLACEMENT

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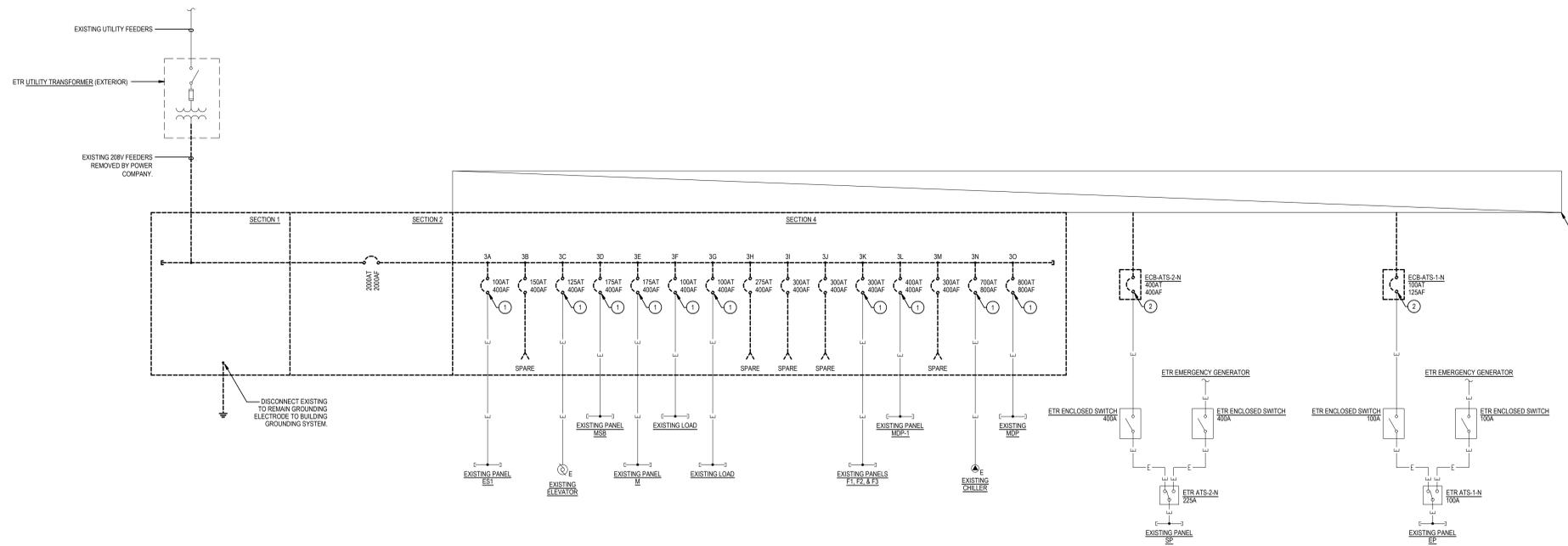


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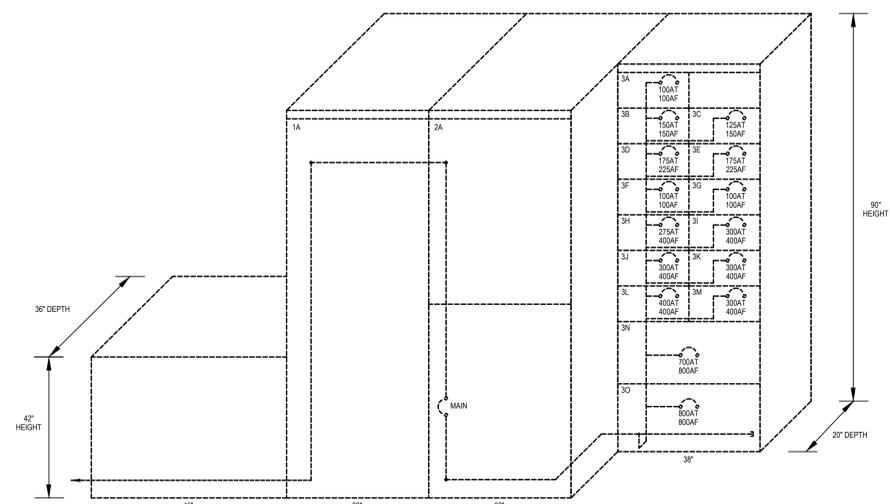
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Drawing Title	PART MAIN LEVEL FLOOR PLAN - NEW WORK

Sheet No:
E-3



1 ONE-LINE DIAGRAM - DEMOLITION
E-4 SWITCHBOARD
NOT TO SCALE



2 SWITCHBOARD ELEVATION AND SCHEMATIC - DEMOLITION
E-4 SWITCHBOARD
NOT TO SCALE

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 - REMOVE AND REINSTALL EXISTING CEILING TILES WITHIN CONSTRUCTION AREAS AS REQUIRED.
- SPECIFIC NOTES:**
- DISCONNECT EXISTING TO REMAIN FEEDER FROM SWITCHBOARD BREAKER.
 - DISCONNECT EXISTING TO REMAIN FEEDER FROM ENCLOSED CIRCUIT BREAKER.
 - MODIFY EXISTING PULLBOX TO ACCOMMODATE THE HEIGHT OF THE NEW SWITCHBOARD AND HOUSE KEEPING PAD.

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PSC No	L15F264
Scale	NONE
Project No	8213-25
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Drawing Title
ELECTRICAL DIAGRAMS - DEMOLITION

Sheet No:
E-4

