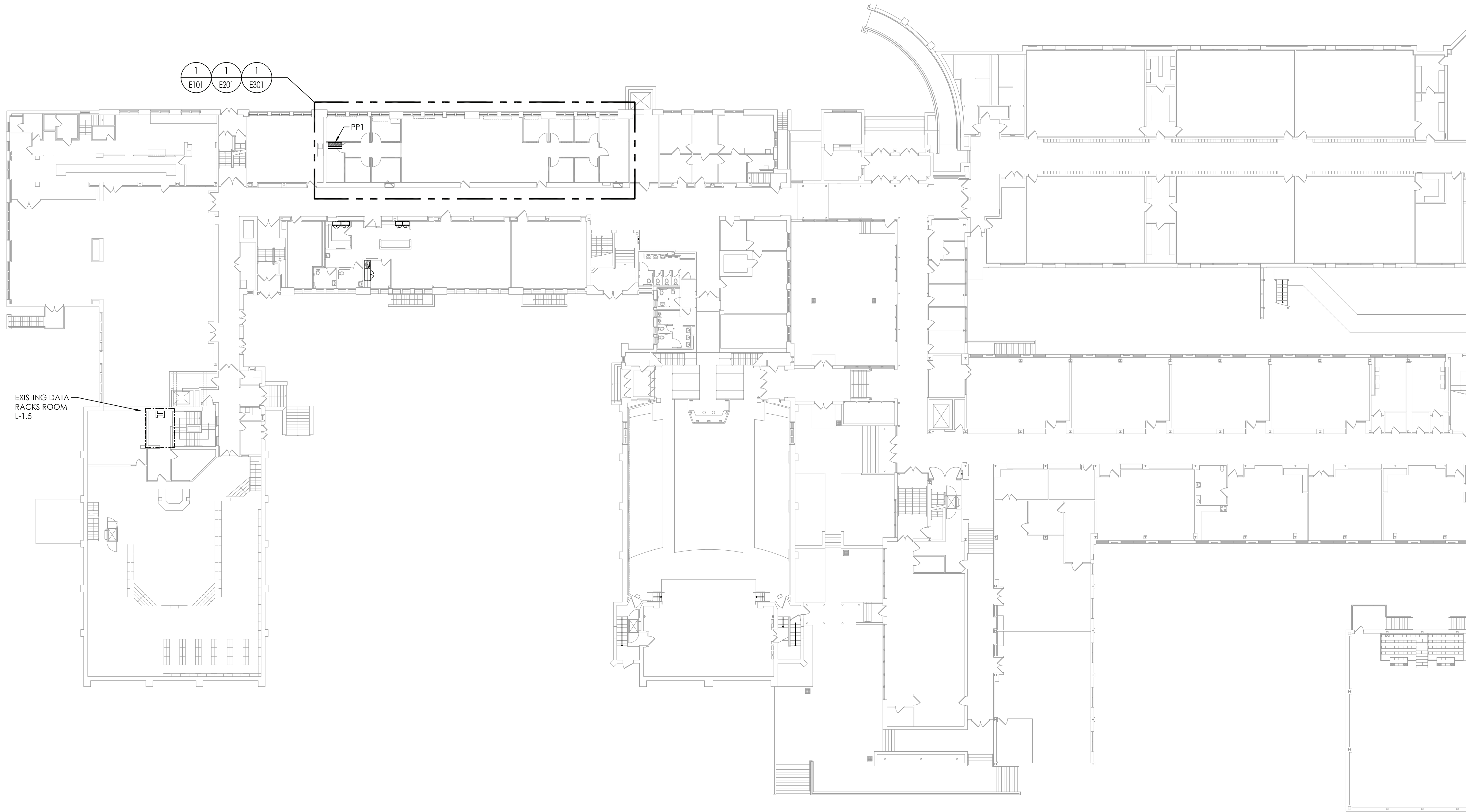


1
E100
PARTIAL BASEMENT ELECTRICAL KEY PLAN
SCALE: 1/32" = 1'-0"



2
E100
PARTIAL FIRST FLOOR ELECTRICAL KEY PLAN
SCALE: 1/32" = 1'-0"

KEY NOTES:

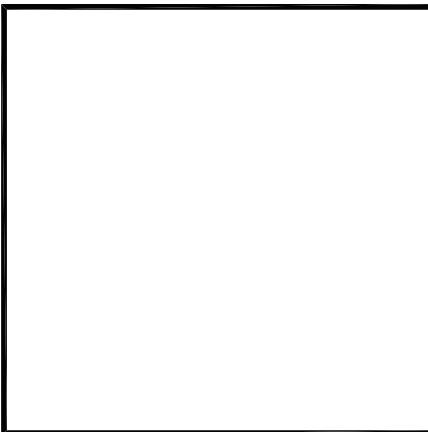
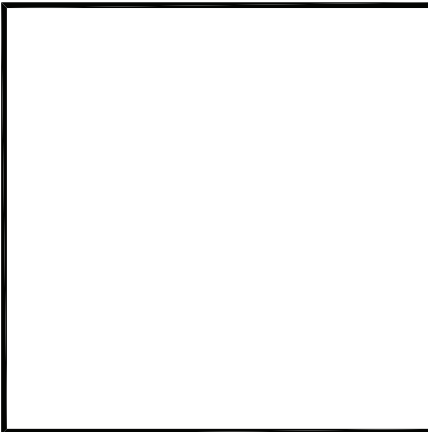
- 1 UTILIZE EXISTING 100-AMP, 3-POLE CIRCUIT BREAKER IN EXISTING PANEL LDB TO FEED NEW PANEL PP1. LABEL BREAKER ACCORDINGLY.
- 2 AREA OF PANEL PP1 ABOVE IN GUIDANCE SUITE ROOM STORAGE 103L. PROVIDE (4) #2, (1) #6 GND IN 2" CONDUIT FROM PANEL LDB TO NEW PANEL PP1. ALL CONDUIT AND WIRING TO BE RUN TIGHT TO CEILING THEN UP INTO NEW PANEL.



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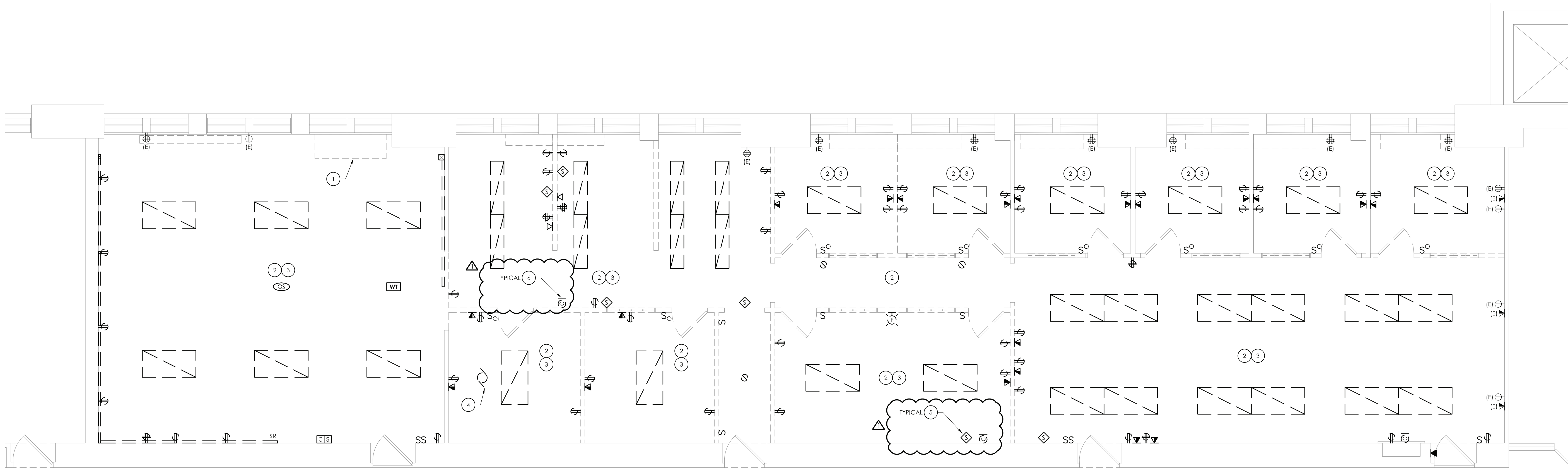


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SED # 66-14-01-03-0-003-039

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SCALE	AS SHOWN	
SHEET TITLE		
PARTIAL BASEMENT AND FIRST FLOOR ELECTRICAL KEY PLANS		

PROJECT NUMBER
14428.12

OHS
E100
DRAWING NUMBER



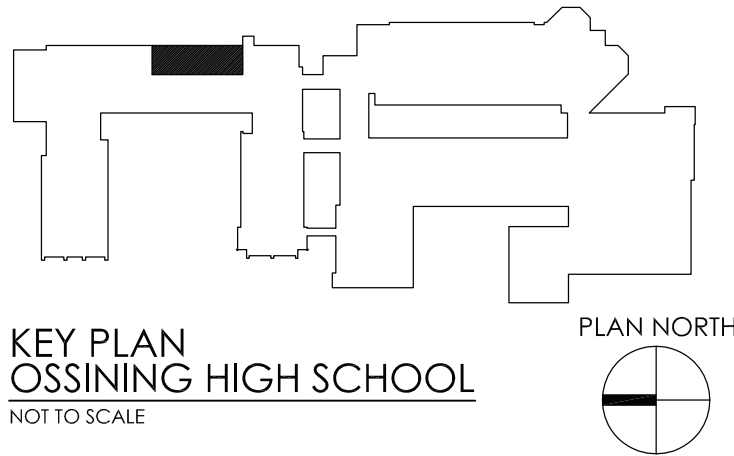
1
E101
FIRST FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "E" SHALL REMAIN, UNLESS OTHERWISE NOTED.
- B. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.
- C. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.
- D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.
- E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION, AT NO ADDITIONAL COST TO OWNER.
- F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC., WITH OTHER DISCIPLINES AS APPLICABLE.
- G. ALL ITEMS (DEVICES, FIXTURES, ETC.) SHOWN ARE TO BE REMOVED UNLESS LABELED AS EXISTING TO REMAIN - (E). THESE ITEMS AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE CONTROL PANEL/PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC., ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.
- I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.
- J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE REPLACED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

- 1 DISCONNECT AND REMOVE ALL CONDUIT AND WIRING TO UNIT VENTILATOR BACK TO SOURCE.
- 2 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES. TAG EXISTING CIRCUITRY FOR RE-USE WITH NEW LIGHTING.
- 3 DISCONNECT AND REMOVE EXISTING DATA DEVICES. COIL AND TAG EXISTING DATA WIRING FOR RE-USE WITH NEW DATA DEVICES.
- 4 DISCONNECT AND REMOVE ALL CONDUIT AND WIRING TO FAN COIL BACK TO SOURCE.
- 5 DISCONNECT AND REMOVE EXISTING SPEAKERS. PULL WIRING BACK AND TAG FOR RE-USE.
- 6 REMOVE EXISTING WIRELESS CLOCK AND STORE FOR RE-LOCATION. REFER TO DRAWING OHS-E201 FOR NEW LOCATIONS.



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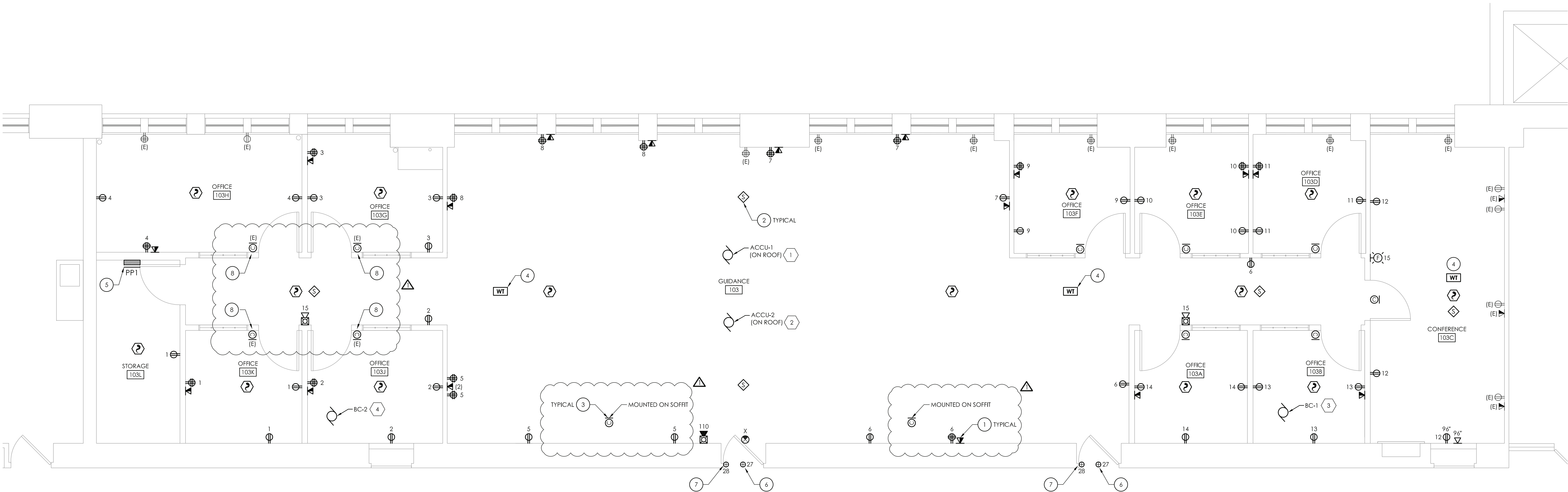
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FIRST FLOOR ELECTRICAL DEMOLITION PLAN		

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1 FIRST FLOOR ELECTRICAL NEW WORK PLAN
E201 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. FOR ALL 120V DEVICES SHOWN, WIRE WITH (2) #12, #12G IN 3/4" C AND CONNECT TO 20A/1P CIRCUIT BREAKER IN PANEL PP1 OF CIRCUIT INDICATED ADJACENT TO DEVICE.
- B. FOR ALL WALL MOUNT VOICE/DATA DROPS SHOWN, PROVIDE FLUSH MOUNT 2-GANG BOX WITH SINGLE GANG DEVICE RING. PROVIDE (2) CATEGORY 6 UTP CABLES IN 1-1/4" CONDUIT ABOVE FINISHED CEILING SPACE TO DATA RACK IN WORK ROOM L-1.5. REFER TO DRAWING E100 FOR DATA RACK LOCATION. PROVIDE ASSOCIATED 2-PORT FACEPLATE, (2) RJ45 JACKS, ETC. AT DROP LOCATION. PROVIDE NEW 48-PORT PATCH PANEL AND ALL CABLING TERMINATIONS AND TESTING. PROVIDE PATCH CABLES IN DATA RACK FROM NETWORK SWITCH TO PATCH PANEL FOR EACH DATA DROP.
- C. AT EACH (X) SYMBOL INDICATES, REFER TO ELECTRICAL EQUIPMENT WIRING SCHEDULE ON DRAWING EP00.
- F. THE CONTRACTOR SHALL PROVIDE NEW NOTIFICATION APPLIANCE (NAC) PANEL ON EACH FLOOR TO ACCOMMODATE NEW NOTIFICATION DEVICES. PANELS SHALL BE LOCATED IN ACCESSIBLE CLOSET SPACE ON ASSOCIATED FLOOR. COORDINATE EXACT PANEL LOCATION WITH OWNER PRIOR TO INSTALLATION. SERVE NEW NAC PANEL FROM NEAREST AVAILABLE 120VAC PANELBOARD SOURCE WITH (2) #12, #12G IN 1/2" EMT CONDUIT. CIRCUIT LENGTHS EXCEEDING 100' SHALL BE WITH #10 AWG. PROVIDE 20/1 CIRCUIT BREAKER IN AVAILABLE PANEL SPACE AND ASSOCIATED "BREAKER ON" LOCK. NEW CIRCUIT BREAKER SHALL BE U.L. LISTED AND MATCH EXISTING PANEL INTERRUPTING RATING.
- G. THE CONTRACTOR SHALL INCLUDE MATERIAL AND LABOR COSTS ASSOCIATED WITH THE REPLACEMENT OF ADDITIONAL SMOKE DUCT DETECTORS, REMOTE TEST STATIONS AND FAN SHUTDOWN RELAYS AS INDICATED IN DIV 28 SPECIFICATION. THIS SHALL COVER DEVICES ASSOCIATED WITH HVAC EQUIPMENT NOT ACCESSIBLE OR VISIBLE DURING FIELD INVESTIGATION.
- H. INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN A DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR GRILLE.
- I. FIRE ALARM CABLING RUN EXPOSED IN UNFINISHED AREAS SHALL BE INSTALLED IN EMT CONDUIT AND PAINTED TO MATCH EXISTING WALL/CEILING FINISH. HORIZONTAL RUNS THROUGH WALLS AND VERTICAL RUNS THROUGH FLOORS SHALL BE SLEEVED IN EMT CONDUIT AND FIRE CAULKED. ALL FIRE ALARM CABLING RUN EXPOSED IN FINISHED SPACES SHALL BE INSTALLED IN 500 SERIES STEEL WIREMOLD, IVORY IN COLOR.
- J. MOUNT SMOKE DETECTORS WITHIN 5 FEET OF DOORS THAT CLOSE ON A FIRE ALARM ACTIVATION. REFER TO NFPA 72 FOR THE MINIMUM DISTANCE A SMOKE DETECTOR CAN BE FROM DOOR.
- K. FOR PUBLIC MODE, WALL MOUNTED VISUALS OR AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 95" ABOVE FINISHED FLOOR. REFER TO NFPA 72 FOR CEILING MOUNTED VISUALS. REFER TO NFPA FOR SPACING OF STROBES, WHERE CEILING HEIGHTS ALLOW. WALL MOUNTED AUDIBLE ONLY APPLIANCES SHALL HAVE THEIR TOPS ABOVE FINISHED FLOOR AT HEIGHTS OF NOT LESS THAN 90".
- L. THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3-1/2 FEET BUT LESS THAN 4-1/2 FEET ABOVE THE FLOOR. REFER TO NFPA FOR SPACING OF DEVICES.
- M. REFER TO MANUFACTURER INSTALLATION GUIDELINES FOR DUCT SMOKE DETECTOR INSTALLATION.
- N. ADDRESSABLE DEVICES SHOULD ONLY BE INSTALLED IN AREAS WHERE AMBIENT TEMPERATURE IS BETWEEN 32" AND 100" F.
- O. CIRCUIT DISCONNECT MEANS (BREAKER IN PANELBOARD) FOR THE FACP SHALL HAVE A RED MARKING AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL". CIRCUIT DISCONNECT LOCATION SHALL BE PERMANENTLY IDENTIFIED AT THE FACP ON AN ENGRAVED LABEL. EXISTING CIRCUIT IS CURRENTLY SERVED VIA NORMAL BRANCH POWER FROM PANELBOARD LOCATED IN MAIN ELECTRICAL ROOM.
- P. EACH MANUAL FIRE ALARM PULL STATION SHALL BE PROVIDED WITH PULL STATION COVER WITH HORN.

KEY NOTES:

- 1 AT NEW DATA DEVICES, CONNECT TO EXISTING DATA CABLING TAGGED FOR RE-USE, WHERE DATA CABLING IS NOT AVAILABLE PROVIDED NEW DATA CABLING AS INDICATED IN THE GENERAL NOTES.
- 2 PROVIDE PUBLIC ADDRESS SPEAKER, BOGEN MODEL S86725PG8WVK AT EACH LOCATION SHOWN. CONNECT SPEAKERS TO EXISTING TAGGED SPEAKER WIRING. REWORK/EXTEND WIRING AS NECESSARY TO ACCOMMODATE NEW SPEAKER LOCATIONS.
- 3 PROVIDE PRIMEX WIRELESS CLOCK MODEL B1004155 AT LOCATIONS SHOWN.
- 4 AT EACH WIRELESS TRANSMITTER INDICATED PROVIDE (2) CATEGORY 6 UTP CABLES AND (2) RJ45 JACKS ABOVE CEILING. COIL 20' OF EXTRA CABLING AT LOCATION.
- 5 PROVIDE NEW RECESSED 200-AMP, 120/208V, 3-PHASE, 4-WIRE, 10K AIC, 30 CIRCUIT PANEL BOARD AT LOCATION SHOWN. NEW PANEL TO BE FED FROM PANEL LDB. REFER TO DRAWING HS-E100 FOR PANEL LOCATION.
- 6 PROVIDE 120-VOLT CONNECTION TO POWERED DOOR OPERATORS AS NOTED. OPERATORS TO BE WIRED BACK TO PANEL PP1, CIRCUIT 27. WIRE OPERATORS WITH (2) #12, (1) #12GND IN 3/4" CONDUIT. COORDINATE ALL WORK WITH DOOR HARDWARE INSTALLER.
- 7 PROVIDE 120-VOLT CONNECTION TO ELECTRIC STRIKE POWER SUPPLY. ELECTRIC STRIKE POWER SUPPLY TO BE WIRED BACK TO PANEL PP1, CIRCUIT 28. WIRE WITH (2) #12, (1) #12GND IN 3/4" CONDUIT. COORDINATE ALL WORK WITH DOOR HARDWARE INSTALLER.
- 8 RELOCATE EXISTING WIRELESS CLOCKS TO LOCATIONS INDICATED.



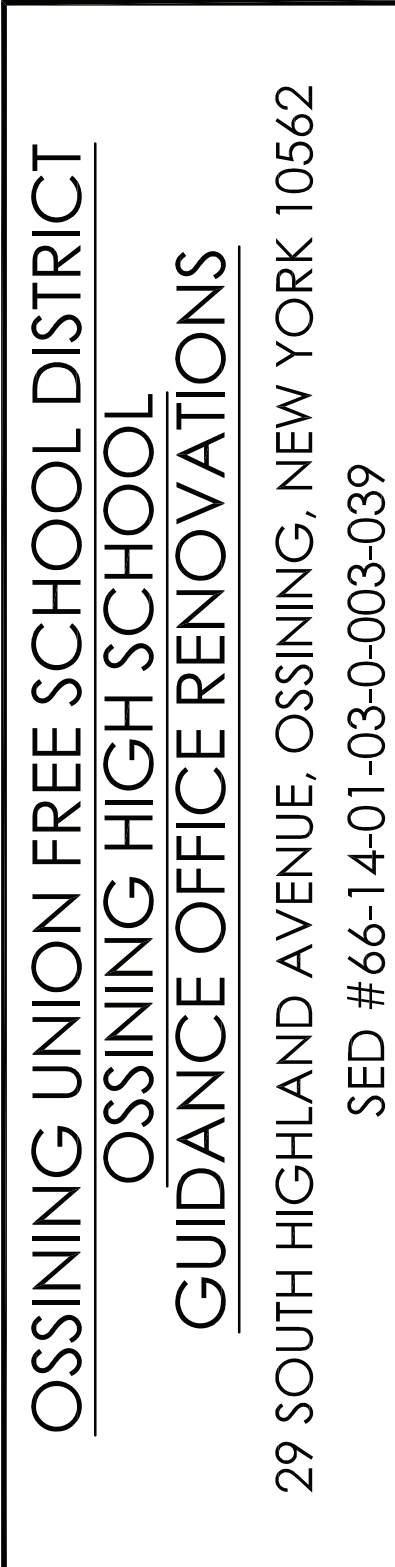
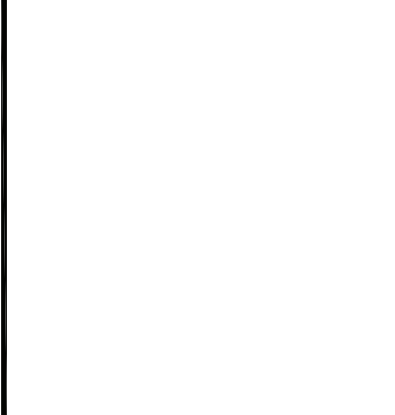
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