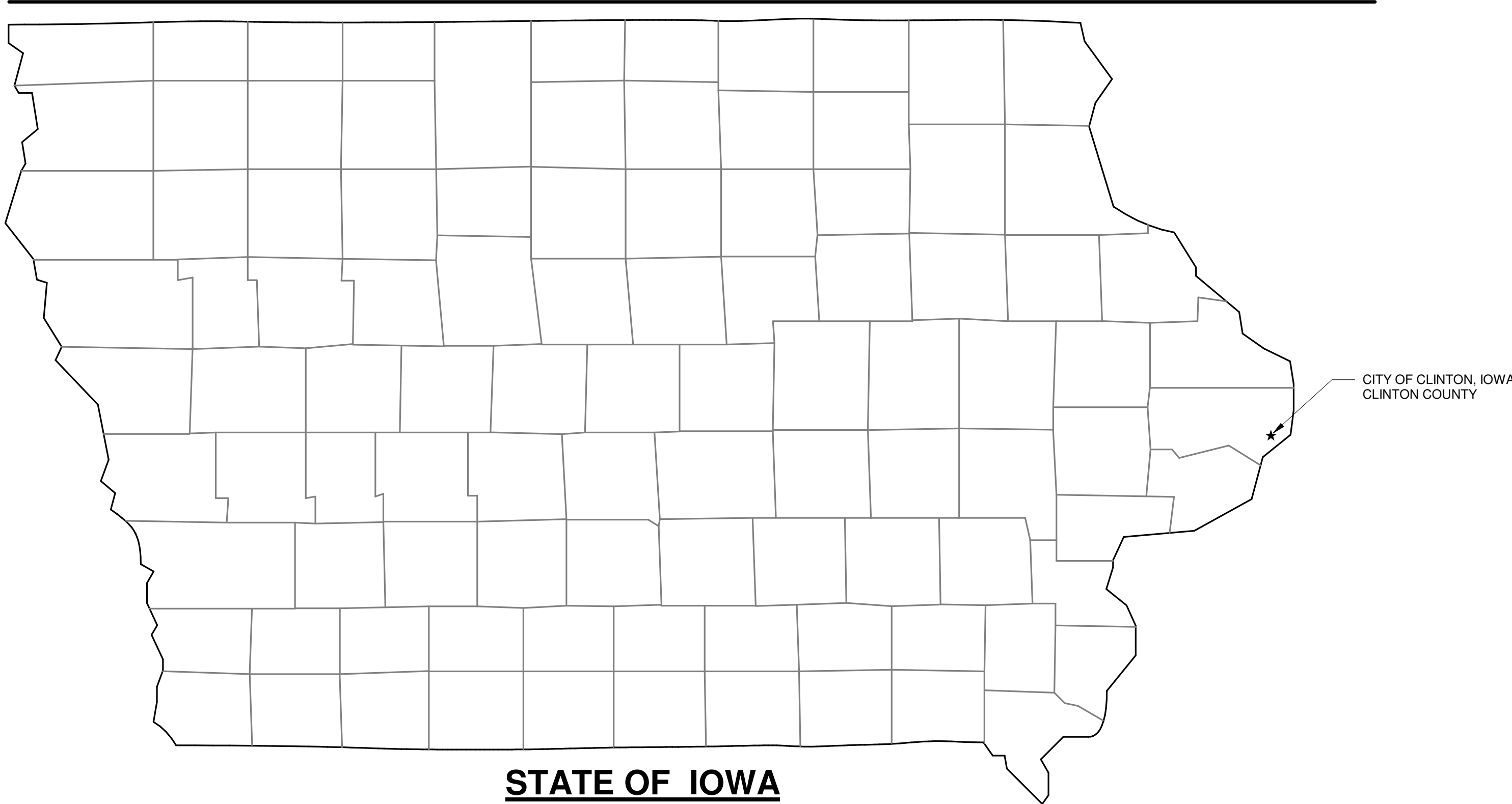


CLINTON COUNTY ADMIN BUILDING GENERATOR LOAD MODIFICATIONS - OPTION 3

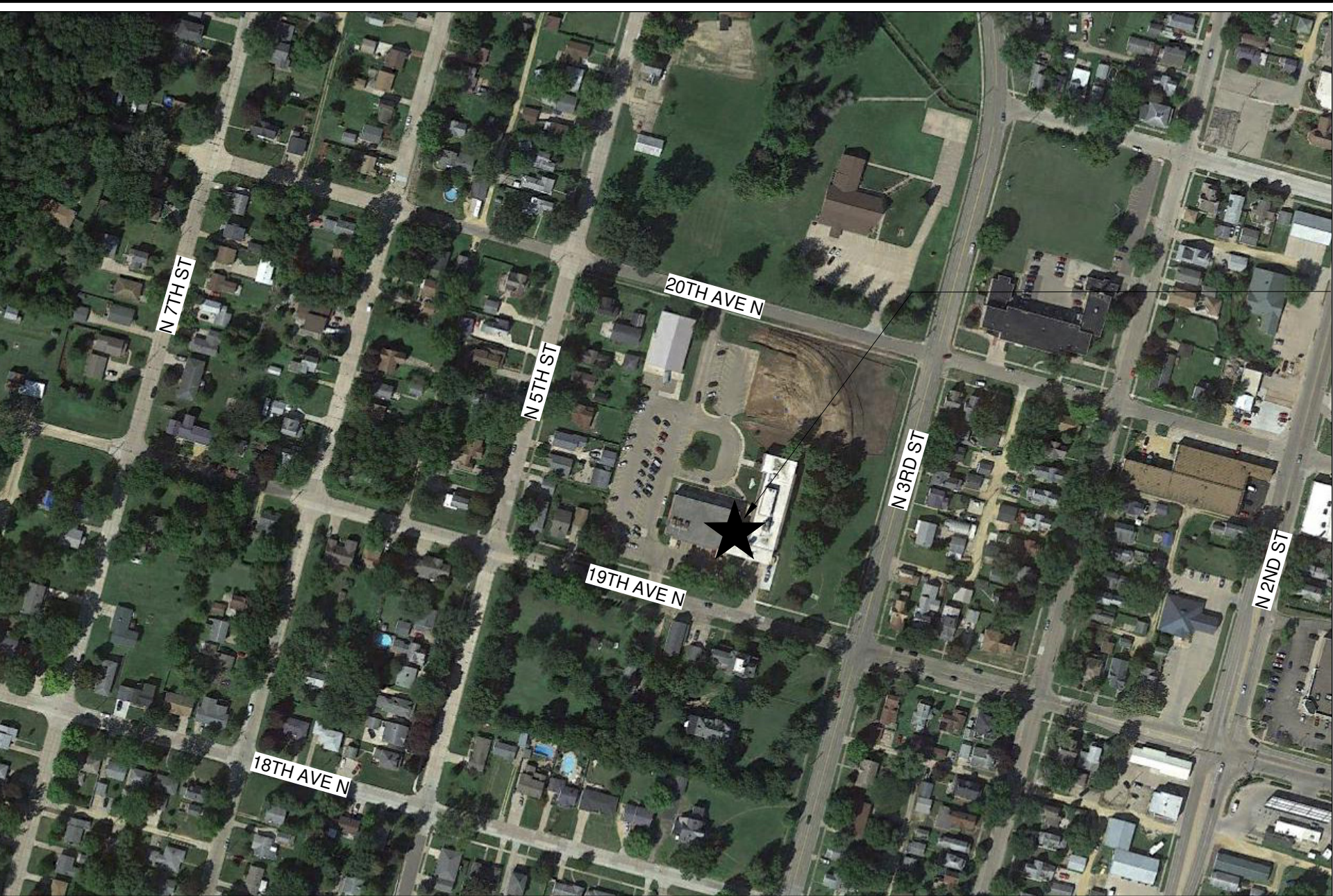
1900 N. 3RD STREET
CLINTON, IA

PROJECT No.: 4349400-211778.01

STATE MAP:



VICINITY MAP:






SHEET INDEX








GENERAL	TITLE SHEET
G-001	
ELECTRICAL	NOTES, SYMBOLS & ABBREVIATIONS
E-001	
ED101	FIRST FLOOR POWER DEMOLITION PLAN
ED701	ONE-LINE DIAGRAM - EXISTING/DEMOLITION
E-101	FIRST FLOOR POWER PLAN
E-701	ONE-LINE DIAGRAM

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WIRING DEVICE SYMBOLS

	60° DUPLEX RECEPTACLE TEXT INDICATES MOUNTING HEIGHT
	DOUBLE DUPLEX RECEPTACLE
	ABOVE COUNTER DUPLEX RECEPTACLE



MOTOR CONTROL & PROTECTIVE DEVICE SYMBOLS

	ELECTRICAL CONNECTION TO EQUIPMENT AND MOTORS, SIZED PER NEC.
	COMBINATION MAGNETIC CONTROLLER
	VARIABLE FREQUENCY MOTOR CONTROLLER
	MAGNETIC CONTROLLER - FULL VOLTAGE, ACROSS THE LINE, ELECTRICALLY HELD
	NON-FUSIBLE DISCONNECT SWITCH
	FUSIBLE DISCONNECT SWITCH
	MOTOR STARTING SWITCH WITHOUT OVERLOADS

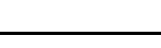


SERVICE & DISTRIBUTION SYMBOLS

	PANELBOARD
	ENCLOSED BREAKER

GENERAL SYMBOLS

	DETAIL NUMBER / SHEET NUMBER
	KEYED NOTE, USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH.

LINE TYPE KEY

	NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
	EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK DASHED LINE)
	EXISTING TO REMAIN WORK (THIN SOLID LINE)

ELECTRICAL ABBREVIATIONS

3R	NEMA 3R RATING
4X	NEMA 4X RATING
A	AMPERES
A/E	ARCHITECT / ENGINEER
AAC	ABOVE ACCESSIBLE CEILING
ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ATS	AUTOMATIC TRANSFER SWITCH
BLDG	BUILDING
BRKR	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CEB	CONCRETE EQUIPMENT BASE
CKT	CIRCUIT
CP	CIRCULATION PUMP
DH	DUCT HEATER
DISC	DISCONNECT
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
EM	EMERGENCY
ERL	EXISTING TO BE RELOCATED
ES	EQUIPMENT SUPPLIER
ETR	EXISTING TO REMAIN
F	FUSED
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
HVAC	HEATING, VENTILATION, AIR CONDITIONING
IH	INFRARED HEATER
IMC	INTERMEDIATE METALLIC CONDUIT
IWH	INSTANTANEOUS WATER HEATER
J-BOX	JUNCTION BOX
KW	KILOWATTS
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MDP	MAIN DISTRIBUTION PANEL
MIN.	MINIMUM
MTS	MANUAL TRANSFER SWITCH
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PH	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
RCP	RADIANT CEILING PANEL
RECP'T	RECEPTACLE
REF	REFRIGERATOR
REQ'D	REQUIRED
RF	RETURN FAN
RMC	RIGID METAL CONDUIT
S/N	SOLID NEUTRAL
SE	SERVICE ENTRANCE
SW	SWITCH
SWBK	SWITCH BANK
TOP	TEMPERATURE CONTROL PANEL
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TYP	TYPICAL
UC	UNIT COOLER
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATER
V	VOLTS
VER	VEHICLE EXHAUST REEL
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD
VS	VERSUS
W	WIRE
WH	WATER HEATER
WL	WET LOCATION LISTED
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

GENERAL NOTES:

1. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE DETAILS OF WORK, VERIFY DIMENSIONS IN THE FIELD, AND ADVISE THE ARCHITECT/ENGINEER OF ANY DISCREPANCY BEFORE PERFORMING ANY WORK.
2. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES) AND ABA (ARCHITECTURAL BARRIERS ACT).
3. WHEN PENETRATING EXISTING FIRE RATED WALLS AND FLOORS, NEW PENETRATIONS SHALL BE FIRE STOPPED TO MEET THE SAME RATING LEVEL OF THE EXISTING ASSEMBLY BEING PENETRATED WALL AND FLOOR. RATINGS SHALL BE FIELD VERIFIED. RATINGS ARE NOT INDICATED ON THESE PLANS.
4. A #12 GREEN INSULATED GROUND CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS TO ALL RECEPTACLES.
5. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS, AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE, INSTALLED PARALLEL AND/OR PERPENDICULAR TO BUILDING LINES AND RUN AS UNOBTUSIVELY AS POSSIBLE.
6. CONTRACTOR TO PROVIDE SUITABLE MECHANICAL PROTECTION AROUND ALL CONDUITS STUBBED OUT FROM FLOORS, WALLS OR CEILINGS DURING CONSTRUCTION TO PREVENT BENDING OR DAMAGING OF STUB OUTS DUE TO INATTENTIVE OPERATION OF CONSTRUCTION EQUIPMENT.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING CONSTRUCTION BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED PENETRATIONS.
8. CONTRACTOR SHALL REMOVE AND INSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
9. SCCR RATINGS LISTED FOR EQUIPMENT ARE MINIMUM REQUIREMENTS FOR BUS BRACING AND DEVICE RATING. ALL EQUIPMENT SHALL BE FULLY RATED UNLESS SPECIFICALLY NOTED AS SERIES RATED.

DEMOLITION GENERAL NOTES:

1. THE INFORMATION SHOWN IS BASED ON EXISTING DRAWINGS AND SITE OBSERVATIONS TO ASSIST CONTRACTOR IN BIDDING. THE ELECTRICAL DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. IT IS RECOMMENDED THE CONTRACTOR VISIT THE SITE TO VERIFY EXISTING CONDITIONS THE SITE PRIOR TO SUBMITTING A BID.
2. ELECTRICAL ITEMS (i.e., PANELBOARDS, DISCONNECTS, MOTOR CONTROLLERS, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER, AND SHALL BE TURNED OVER TO THE OWNER IN A STORAGE AREA TO BE DESIGNATED BY THE OWNER. EQUIPMENT BEING REMOVED SHALL BE HANDLED SO AS NOT TO FURTHER REDUCE ITS VALUE TO THE OWNER. THE CONTRACTOR SHALL DISPOSE OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN FOR MAINTENANCE PURPOSES.
3. WHERE PANELBOARD, DISCONNECTS, MOTOR CONTROLLERS, ETC., ARE BEING REMOVED, ALSO REMOVE ALL ASSOCIATED CONDUIT AND WIRE BACK TO THE PANELBOARD OR FEEDER JUNCTION BOX SERVING THE ITEM, UNLESS THE CONDUIT CAN BE REUSED FOR NEW CONDUCTORS. THE CONTRACTOR SHALL DISPOSE OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN FOR MAINTENANCE PURPOSES.
4. EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. EXISTING CONDUIT SHALL NOT BE RELOCATED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
5. MAINTAIN CIRCUIT CONTINUITY OF DEVICES LOCATED OUTSIDE OF CONSTRUCTION AREA. DEVICE AND EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
6. CONTRACTOR SHALL REMOVE AND INSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
7. PROVIDE REVISED TYPED CIRCUIT DIRECTORY IN PANELBOARDS THAT HAVE CIRCUITS REMOVED OR ADDED CIRCUITS.
8. REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES, CUT RACEWAY FLUSH WITH WALLS AND FLOORS, PATCH SURFACES TO MATCH EXISTING. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC. ASSOCIATED WITH RACEWAY REMOVAL.

KEYED NOTES

- 9.003 SEE DETAIL 1/ED101 FOR SCOPE OF WORK ASSOCIATED WITH TRANSFORMER T-OB.
- 9.004 SEE DETAIL 2/ED101 FOR SCOPE OF WORK ASSOCIATED WITH "OLD BUILDING PANEL" AND DISCONNECT SWITCH.
- 9.005 DISCONNECT AND REMOVE EXISTING 1200A/3P DISCONNECT SWITCH AND ALL ASSOCIATED CONDUCTORS TO AND FROM DISCONNECT SWITCH. WIREWAY UNDER EXISTING DISCONNECT SWITCH TO REMAIN AND REUSED BE FOR NEW FEEDER SOURCED FROM NEW TRANSFORMER T-OB. SEE E-101 FOR NEW CONSTRUCTION TO OLD BUILDING PNL. SEE ED701 AND E-701 FOR ONE-LINE DIAGRAMS.
- 9.007 INTERCEPT AND EXTEND EXISTING RACEWAY. DISCONNECT AND REMOVE EXISTING 400KVA TRANSFORMER T-OB AND ALL ASSOCIATED FEEDER CONDUCTORS FROM SOURCE SWITCHBOARD MSB AND TO END USE LOAD PANEL. "OLD BUILDING PNL". SEE SHEET E-101 FOR NEW WORK DETAILS.
- 9.008 DISCONNECT AND REMOVE EXISTING PRIMARY FEEDER FROM TRANSFORMER T-PP2 TO MSB FOR INSTALLATION OF NEW BYPASS ISOLATION ATS AND ASSOCIATED FEEDER. SEE SHEET E-101 FOR NEW WORK DETAILS. SEE ED701 AND E-701 FOR ONE-LINE WORK SCOPE.
- 9.009 SEE SHEET E-101 FOR CONSTRUCTION DETAILS FOR NEW DOOR.
- 9.011 CONTRACTOR SHALL COORDINATE WITH OWNER TO CREATE CLEAR SPACE FOR NEW ELECTRICAL EQUIPMENT. SEE SHEET 4/E-101 FOR LAYOUT DETAILS.
- 9.316 PROVIDE WIREWAY IN ACCORDANCE TO NEC 376.22 AND 376.56 TO FIT FEEDER EXTENSION TO NEW HINGED COVER WIREWAY IN ADJACENT ROOM. MOVE ASSOCIATED FEEDERS AND ENCLOSED CIRCUIT BREAKERS (CB-HX, CB-LX, AND CB-E) DOWN AS NEEDED TO ACCOMMODATE LARGER WIREWAY. ROUTE FEEDERS ABOVE GYP BOARD CEILING TO NEW HINGED COVER WIREWAY IN ADJACENT ROOM FOR CB-PP2 AND CB-OB. PROVIDE AND UTILIZE JUNCTION BOX BETWEEN THE TWO WIREWAYS TO SET AROUND STRUCTURAL COLUMN A-4. SEE FLOOR PLANS ON THIS SHEET FOR INTENDED PATH. SEE SHEET E-701 FOR FEEDER DETAILS.

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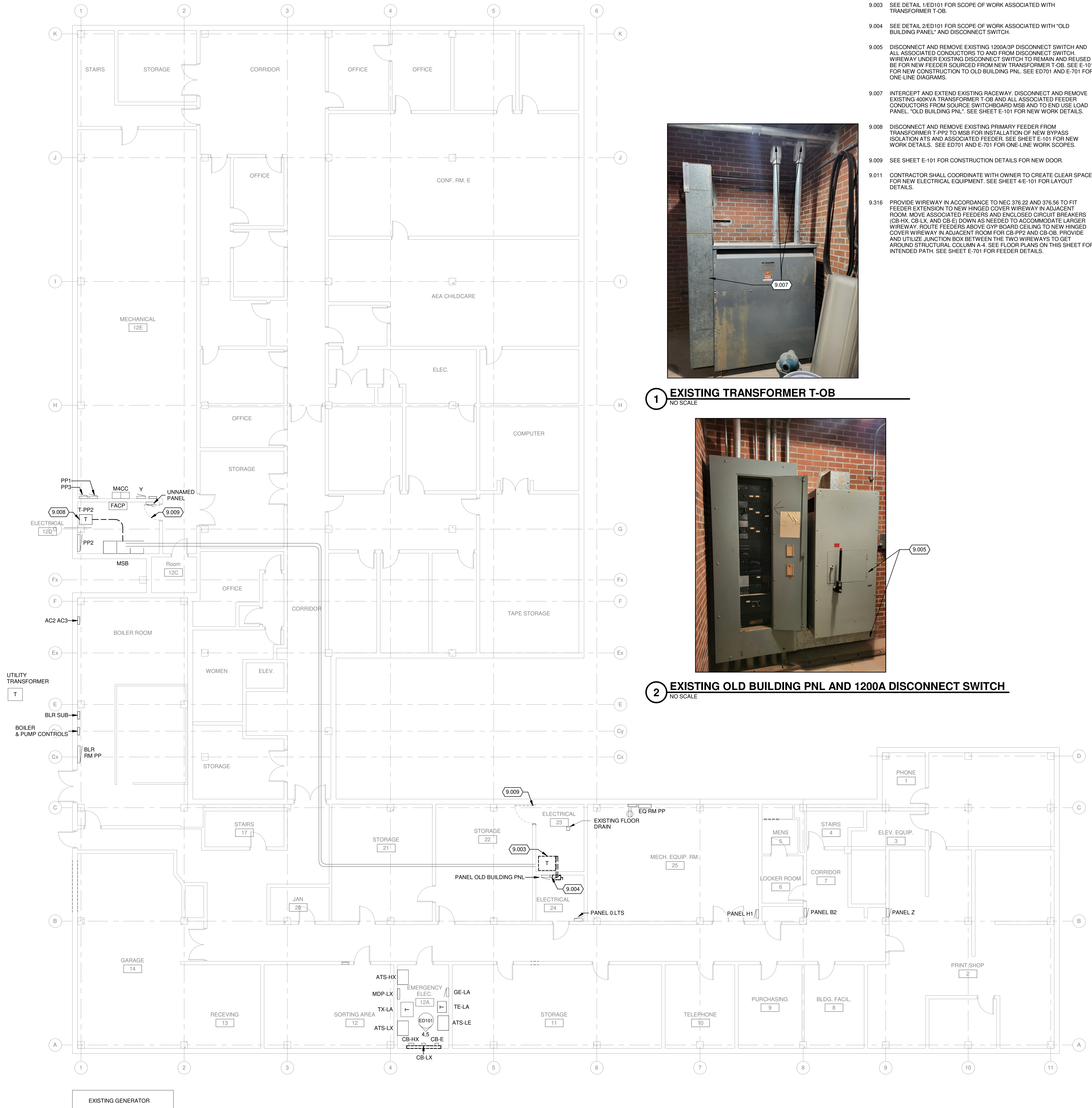
4 EXISTING WIREWAY AND ENCLOSED BREAKERS - 1
NO SCALE



5 EXISTING WIREWAY AND ENCLOSED BREAKERS - 2
NO SCALE

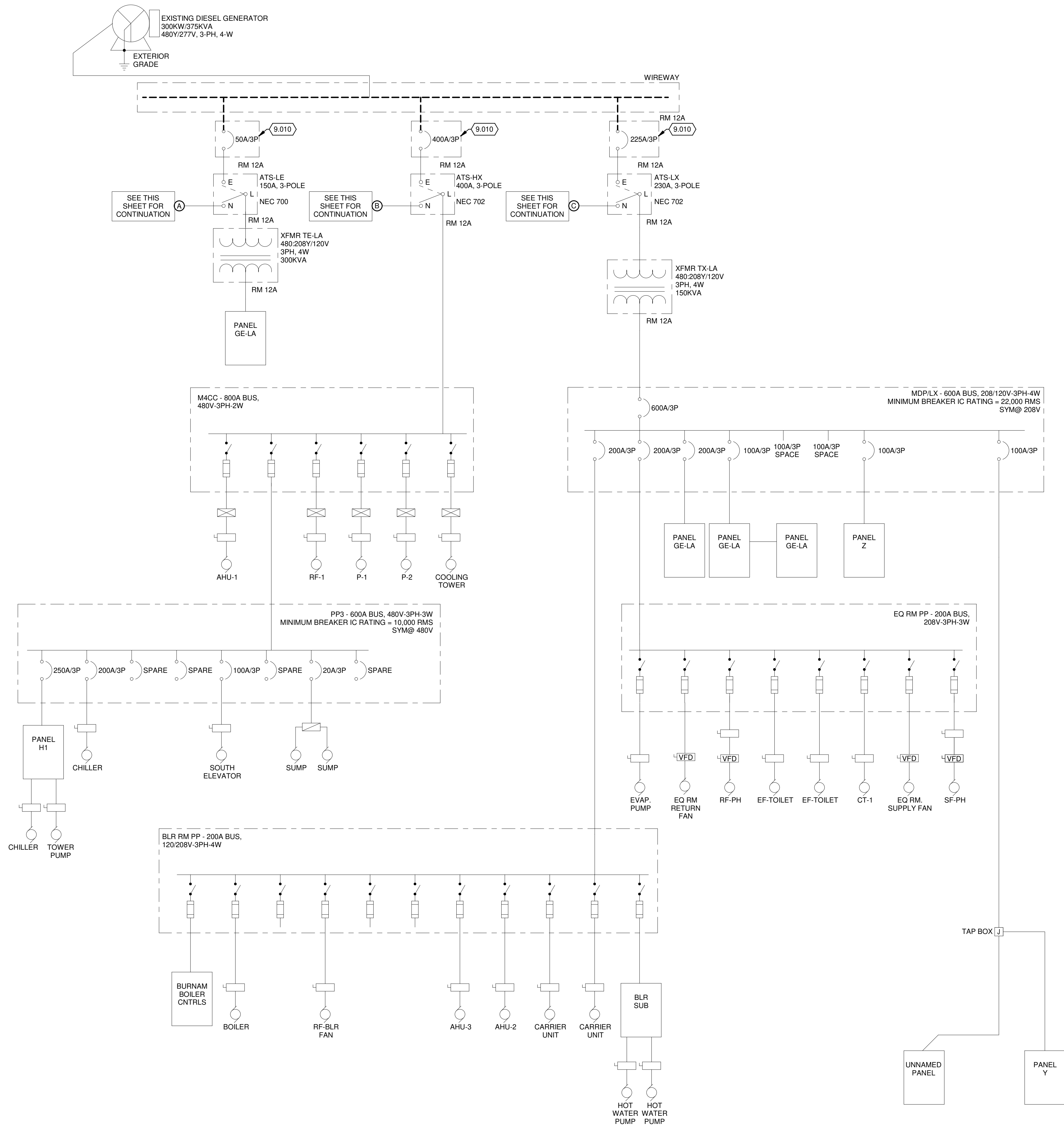


6 LOCATION FOR NEW CB-OB AND CB-PP2 OPTION 2 Copy 1
NO SCALE



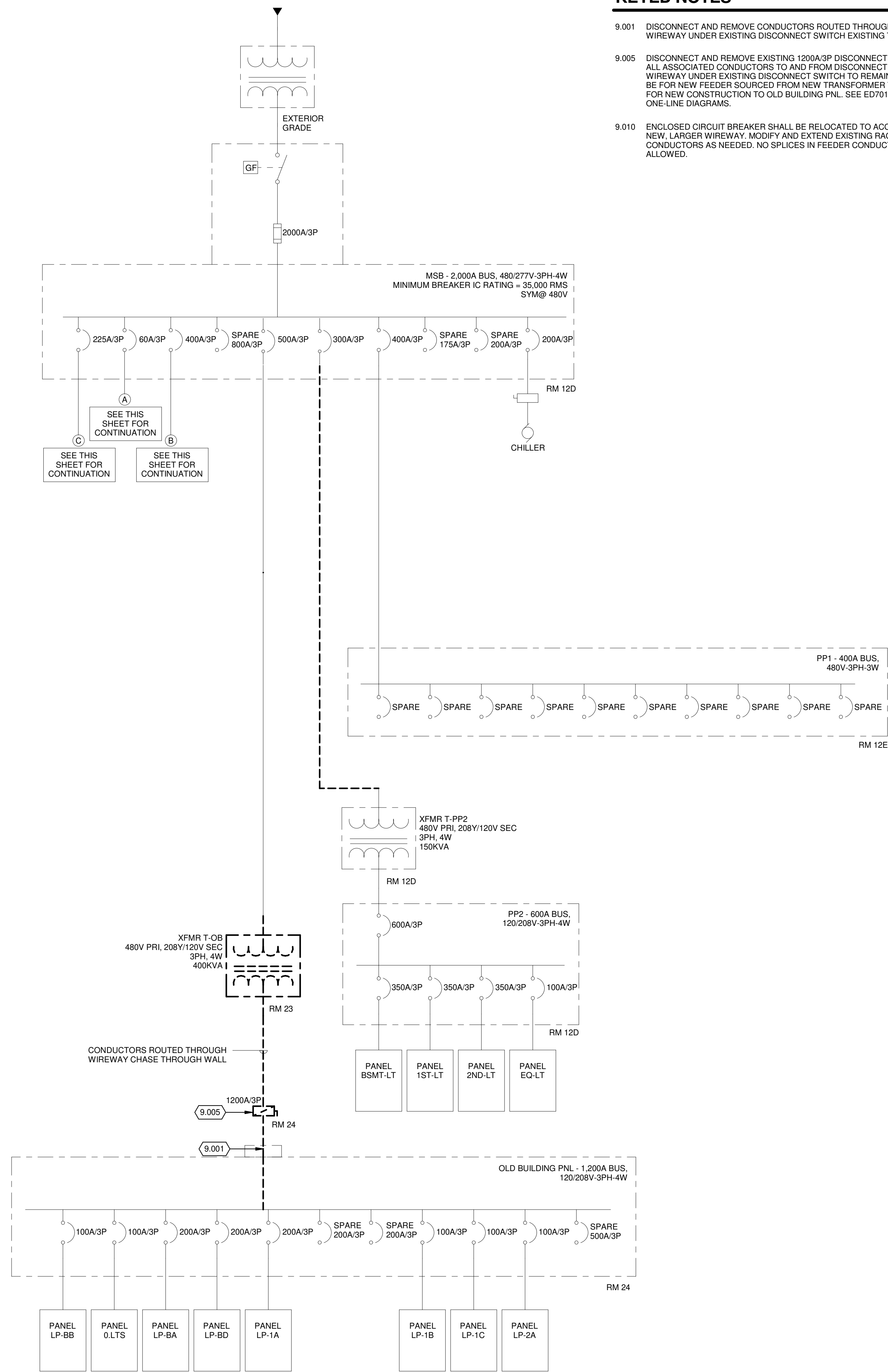
3 FIRST FLOOR POWER - DEMOLITION PLAN
1/8" = 1'-0"

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1 ONE-LINE POWER DIAGRAM - EXISTING/DEMOLITION

NO SCALE



CLINTON COUNTY ADMIN BUILDING GENERATOR LOAD MODIFICATIONS - OPTION 3

1900 N. 3RD STREET
CLINTON, IA

ISSUED
10/27/23 100% BID DOCUMENTS

MSH NO.: 4369400-211778.01
DATE: 10/27/2023
DESIGNED BY: ARG/RKK
DRAWN BY: RKK
CHECKED BY: MAS

DO NOT SCALE DRAWINGS
SHEET CONTENTS
ONE-LINE DIAGRAM -
EXISTING/DEMOLITION

SHEET NO.:

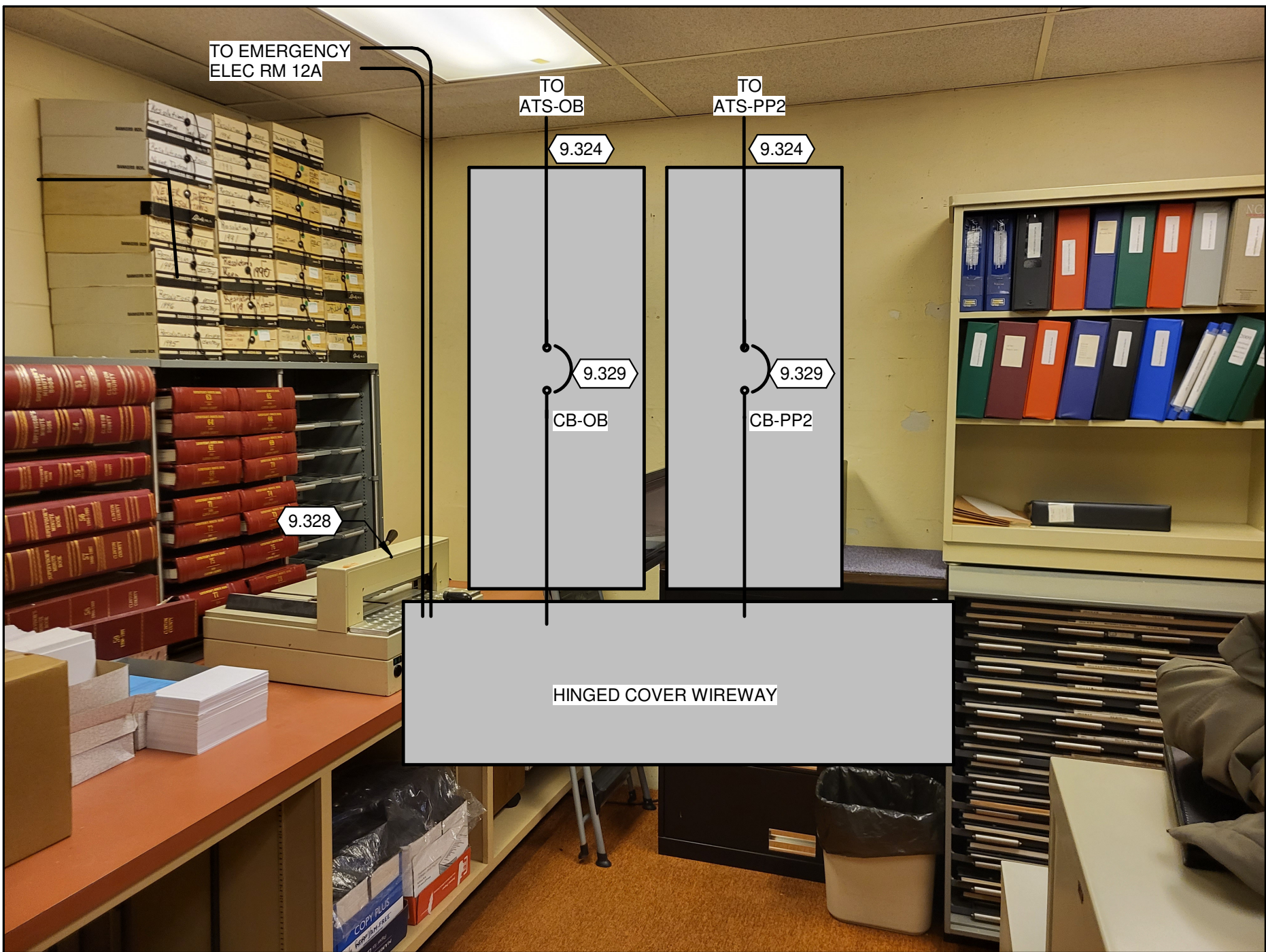
ED701

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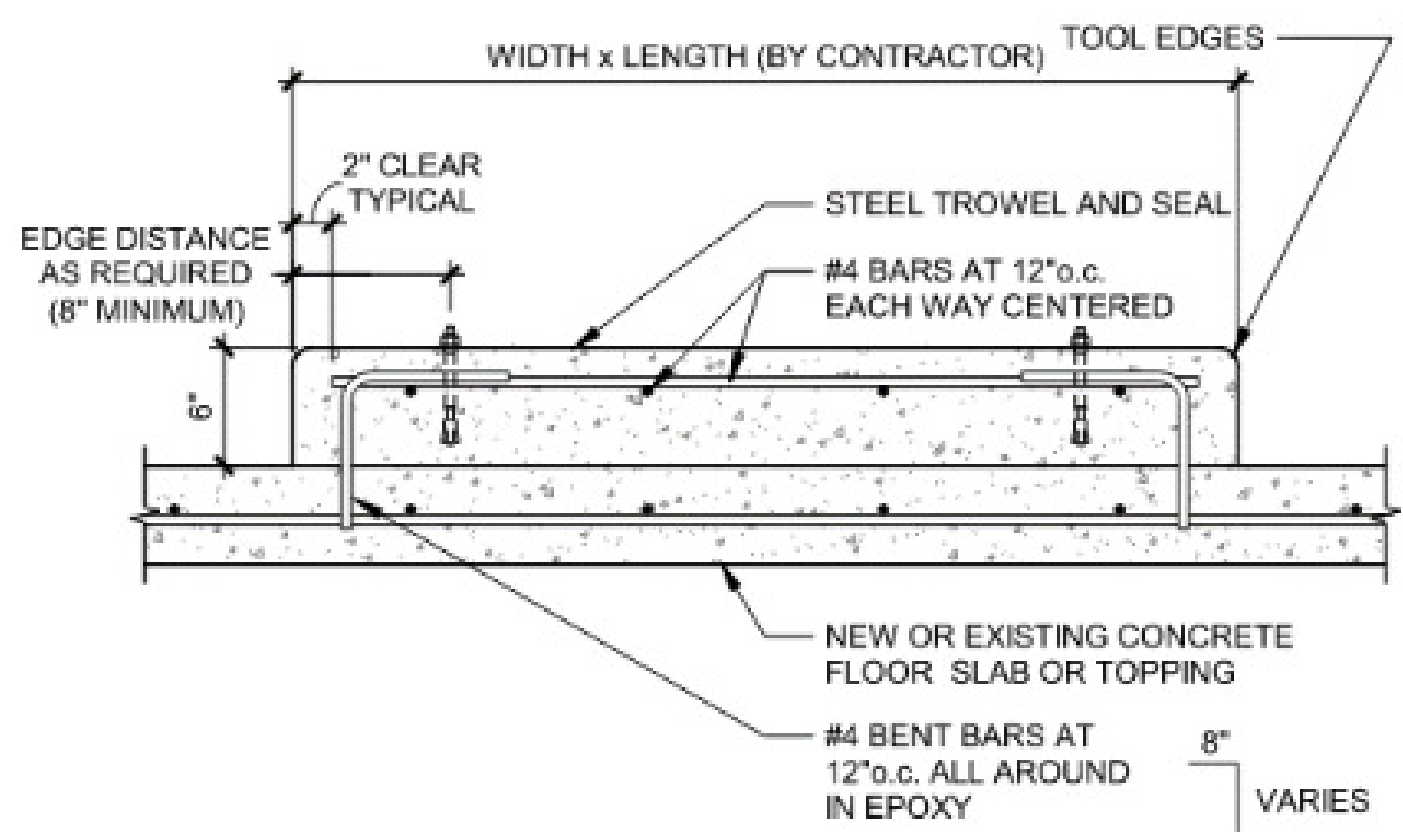
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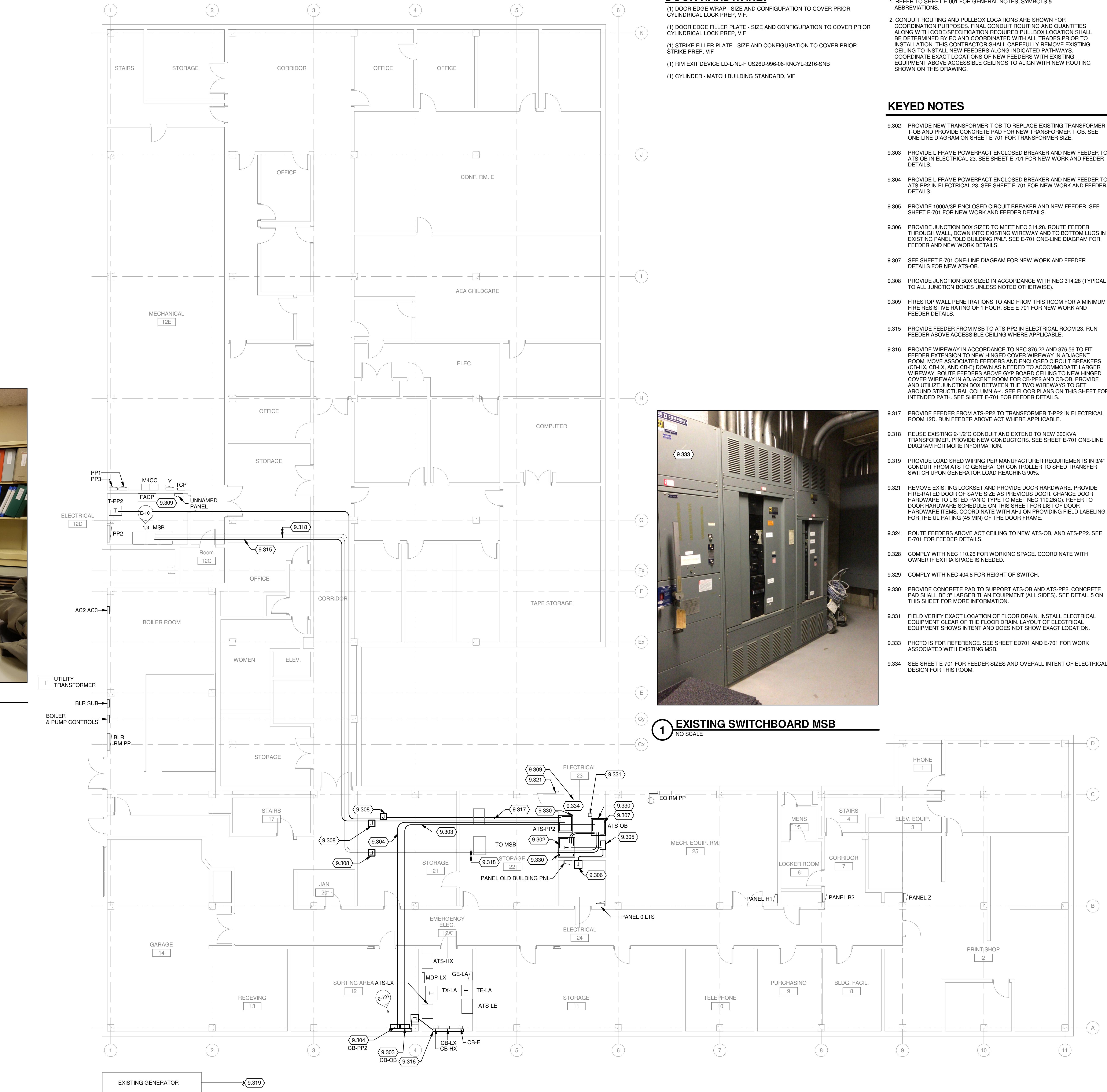
3 EXISTING SWITCHBOARD MSB SECTION 2
NO SCALE



4 LOCATION FOR NEW CB-OB AND CB-PP2
NO SCALE



5 INTERIOR EQUIPMENT PADS
NO SCALE



2 FIRST FLOOR POWER PLAN
1/8" = 1'-0"

DOOR HARDWARE:

- (1) DOOR EDGE WRAP - SIZE AND CONFIGURATION TO COVER PRIOR CYLINDRICAL LOCK PREP, VIF.
- (1) DOOR EDGE FILLER PLATE - SIZE AND CONFIGURATION TO COVER PRIOR CYLINDRICAL LOCK PREP, VIF
- (1) STRIKE FILLER PLATE - SIZE AND CONFIGURATION TO COVER PRIOR STRIKE PREP, VIF
- (1) RIM EXIT DEVICE LD-L-NL-F US26D-996-06-KNCYL-3216-SNB
- (1) CYLINDER - MATCH BUILDING STANDARD, VIF

GENERAL NOTES:

1. REFER TO SHEET E-001 FOR GENERAL NOTES, SYMBOLS & ABBREVIATIONS.
2. CONDUIT ROUTING AND PULLBOX LOCATIONS ARE SHOWN FOR COORDINATION PURPOSES. FINAL CONDUIT ROUTING AND QUANTITIES ALONG WITH CODE SPECIFICATION REQUIRED PULLBOX LOCATION SHALL BE DETERMINED BY EC AND COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION. THIS CONTRACTOR SHALL CAREFULLY REMOVE EXISTING CEILING TO INSTALL NEW FEEDERS ALONG INDICATED PATHWAYS. COORDINATE EXACT LOCATIONS OF NEW FEEDERS WITH EXISTING EQUIPMENT ABOVE ACCESSIBLE CEILINGS TO ALIGN WITH NEW ROUTING SHOWN ON THIS DRAWING.

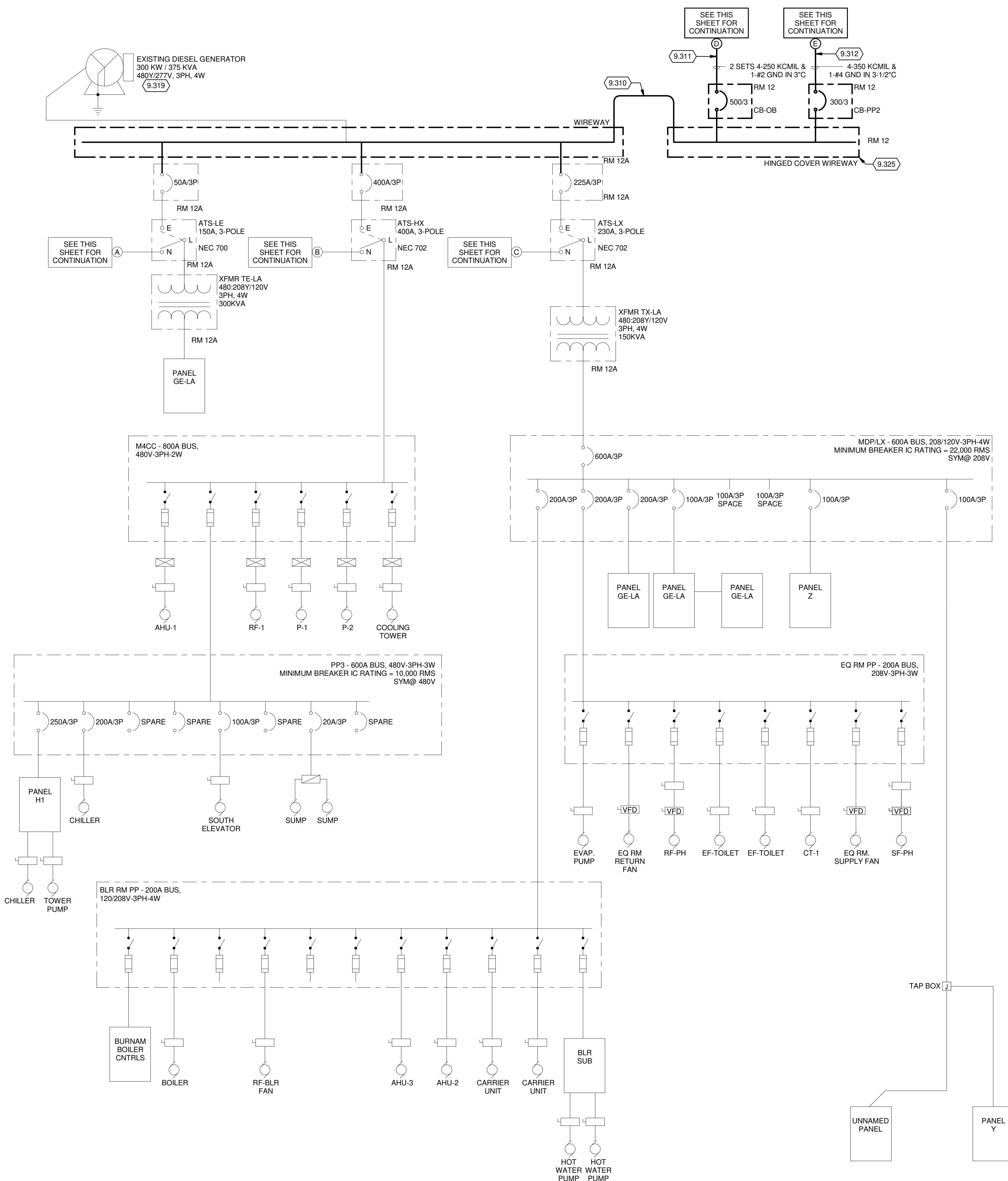
KEYED NOTES

- 9.302 PROVIDE NEW TRANSFORMER T-OB TO REPLACE EXISTING TRANSFORMER T-OB AND PROVIDE CONCRETE PAD FOR NEW TRANSFORMER T-OB. SEE ONE-LINE DIAGRAM ON SHEET E-701 FOR TRANSFORMER SIZE.
- 9.303 PROVIDE L-FRAME POWERPACT ENCLOSED BREAKER AND NEW FEEDER TO ATS-OB IN ELECTRICAL 23. SEE SHEET E-701 FOR NEW WORK AND FEEDER DETAILS.
- 9.304 PROVIDE L-FRAME POWERPACT ENCLOSED BREAKER AND NEW FEEDER TO ATS-PP2 IN ELECTRICAL 25. SEE SHEET E-701 FOR NEW WORK AND FEEDER DETAILS.
- 9.305 PROVIDE 1000A/3P ENCLOSED CIRCUIT BREAKER AND NEW FEEDER. SEE SHEET E-701 FOR NEW WORK AND FEEDER DETAILS.
- 9.306 PROVIDE JUNCTION BOX SIZED TO MEET NEC 314.28. ROUTE FEEDER THROUGH WALL, DOWN INTO EXISTING WIREWAY AND TO BOTTOM LUGS IN EXISTING PANEL, "OLD BUILDING PNL". SEE E-701 ONE-LINE DIAGRAM FOR FEEDER AND NEW WORK DETAILS.
- 9.307 SEE SHEET E-701 ONE-LINE DIAGRAM FOR NEW WORK AND FEEDER DETAILS FOR NEW ATS-OB.
- 9.308 PROVIDE JUNCTION BOX SIZED IN ACCORDANCE WITH NEC 314.28 (TYPICAL TO ALL JUNCTION BOXES UNLESS NOTED OTHERWISE).
- 9.309 FIRESTOP WALL PENETRATIONS TO AND FROM THIS ROOM FOR A MINIMUM FIRE RESISTIVE RATING OF 1 HOUR. SEE E-701 FOR NEW WORK AND FEEDER DETAILS.
- 9.315 PROVIDE FEEDER FROM MSB TO ATS-PP2 IN ELECTRICAL ROOM 23. RUN FEEDER ABOVE ACCESSIBLE CEILING WHERE APPLICABLE.
- 9.316 PROVIDE WIREWAY IN ACCORDANCE TO NEC 376.22 AND 376.56 TO FIT FEEDER EXTENSION TO NEW HINGED COVER WIREWAY IN ADJACENT ROOM. MOVE ASSOCIATED FEEDERS AND ENCLOSED CIRCUIT BREAKERS (CB-HX, CB-LX, AND CB-E) DOWN AS NEEDED TO ACCOMMODATE LARGER WIREWAY. ROUTE FEEDERS ABOVE GYP BOARD CEILING TO NEW HINGED COVER WIREWAY IN ADJACENT ROOM FOR CB-PP2 AND CB-OB. PROVIDE AND UTILIZE JUNCTION BOX BETWEEN THE TWO WIREWAYS TO GET AROUND STRUCTURAL COLUMN A-4. SEE FLOOR PLANS ON THIS SHEET FOR INTENDED PATH. SEE SHEET E-701 FOR FEEDER DETAILS.
- 9.317 PROVIDE FEEDER FROM ATS-PP2 TO TRANSFORMER T-PP2 IN ELECTRICAL ROOM 12D. RUN FEEDER ABOVE ACT WHERE APPLICABLE.
- 9.318 REUSE EXISTING 2-1/2" CONDUIT AND EXTEND TO NEW 300KVA TRANSFORMER. PROVIDE NEW CONDUCTORS. SEE SHEET E-701 ONE-LINE DIAGRAM FOR MORE INFORMATION.
- 9.319 PROVIDE LOAD SHED WIRING PER MANUFACTURER REQUIREMENTS IN 3/4" CONDUIT FROM ATS TO GENERATOR CONTROLLER TO SHED TRANSFER SWITCH UPON GENERATOR LOAD REACHING 90%.
- 9.321 REMOVE EXISTING LOCKSET AND PROVIDE DOOR HARDWARE, PROVIDE FIRE-RATED DOOR OF SAME SIZE AS PREVIOUS DOOR. CHANGE DOOR HARDWARE TO LISTED PANIC TYPE TO MEET NEC 110.26(c). REFER TO DOOR HARDWARE SCHEDULE ON THIS SHEET FOR LIST OF DOOR HARDWARE ITEMS. COORDINATE WITH AHJ ON PROVIDING FIELD LABELING FOR THE UL RATING (45 MIN) OF THE DOOR FRAME.
- 9.324 ROUTE FEEDERS ABOVE ACT CEILING TO NEW ATS-OB, AND ATS-PP2. SEE E-701 FOR FEEDER DETAILS.
- 9.328 COMPLY WITH NEC 110.26 FOR WORKING SPACE. COORDINATE WITH OWNER IF EXTRA SPACE IS NEEDED.
- 9.329 COMPLY WITH NEC 404.8 FOR HEIGHT OF SWITCH.
- 9.330 PROVIDE CONCRETE PAD TO SUPPORT ATS-OB AND ATS-PP2. CONCRETE PAD SHALL BE 3" LARGER THAN EQUIPMENT (ALL SIDES). SEE DETAIL 5 ON THIS SHEET FOR MORE INFORMATION.
- 9.331 FIELD VERIFY EXACT LOCATION OF FLOOR DRAIN. INSTALL ELECTRICAL EQUIPMENT CLEAR OF THE FLOOR DRAIN. LAYOUT OF ELECTRICAL EQUIPMENT SHOWS INTENT AND DOES NOT SHOW EXACT LOCATION.
- 9.333 PHOTO IS FOR REFERENCE. SEE SHEET ED701 AND E-701 FOR WORK ASSOCIATED WITH EXISTING MSB.
- 9.334 SEE SHEET E-701 FOR FEEDER SIZES AND OVERALL INTENT OF ELECTRICAL DESIGN FOR THIS ROOM.



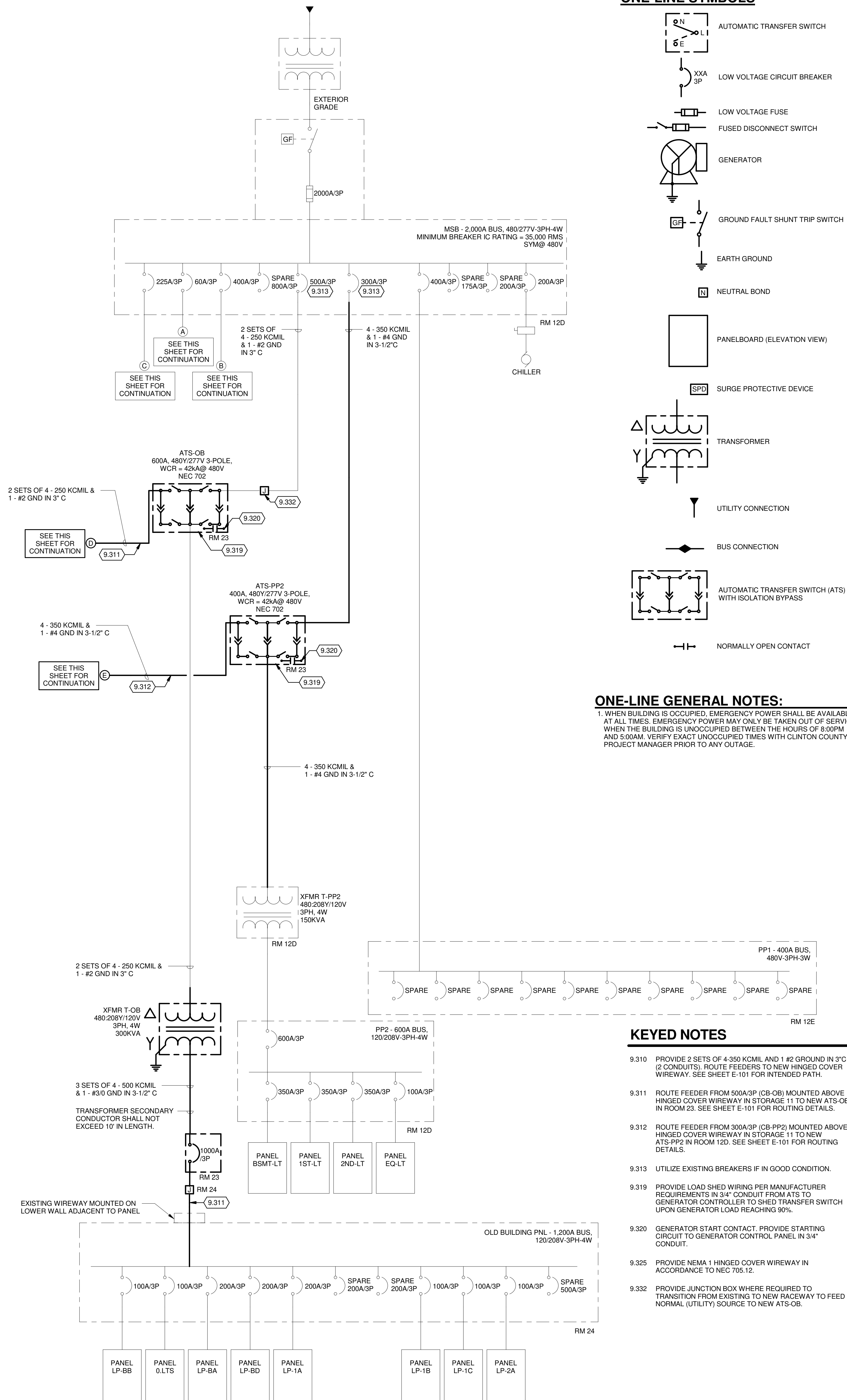
1 EXISTING SWITCHBOARD MSB
NO SCALE

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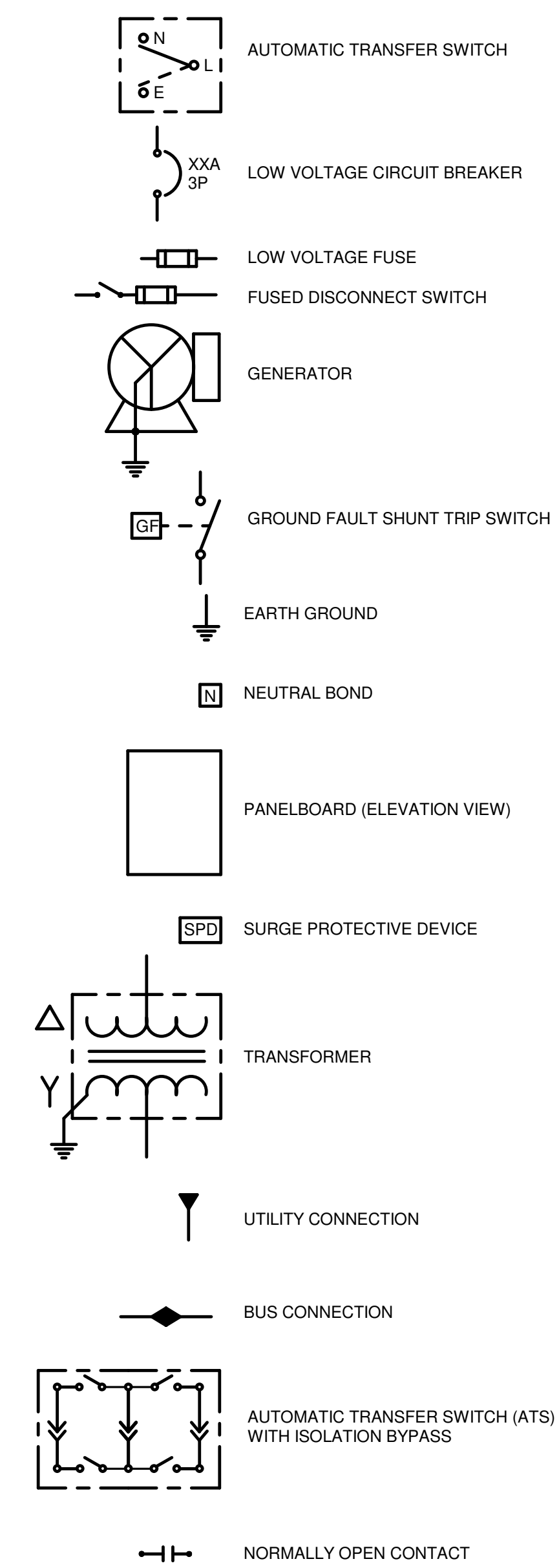


1 ONE-LINE POWER DIAGRAM

NO SCALE



ONE-LINE SYMBOLS



ONE-LINE GENERAL NOTES:

1. WHEN BUILDING IS OCCUPIED, EMERGENCY POWER SHALL BE AVAILABLE AT ALL TIMES. EMERGENCY POWER MAY ONLY BE TAKEN OUT OF SERVICE WHEN THE BUILDING IS UNOCCUPIED BETWEEN THE HOURS OF 9:00PM AND 5:00AM. VERIFY EXACT UNOCCUPIED TIMES WITH CLINTON COUNTY PROJECT MANAGER PRIOR TO ANY OUTAGE.

KEYED NOTES

- 9.310 PROVIDE 2 SETS OF 4-350 KCMIL AND 1 #2 GROUND IN 3" (2 CONDUITS). ROUTE FEEDERS TO NEW HINGED COVER WIREWAY. SEE SHEET E-101 FOR INTENDED PATH.
- 9.311 ROUTE FEEDER FROM 500A/3P (CB-OB) MOUNTED ABOVE HINGED COVER WIREWAY IN STORAGE 11 TO NEW ATS-OB IN ROOM 23. SEE SHEET E-101 FOR ROUTING DETAILS.
- 9.312 ROUTE FEEDER FROM 300A/3P (CB-PP2) MOUNTED ABOVE HINGED COVER WIREWAY IN STORAGE 11 TO NEW ATS-PP2 IN ROOM 12D. SEE SHEET E-101 FOR ROUTING DETAILS.
- 9.313 UTILIZE EXISTING BREAKERS IF IN GOOD CONDITION.
- 9.319 PROVIDE LOAD SHED WIRING PER MANUFACTURER REQUIREMENTS IN 3/4" CONDUIT FROM ATS TO GENERATOR CONTROLLER TO SHED TRANSFER SWITCH UPON GENERATOR LOAD REACHING 90%.
- 9.320 GENERATOR START CONTACT. PROVIDE STARTING CIRCUIT TO GENERATOR CONTROL PANEL IN 3/4" CONDUIT.
- 9.325 PROVIDE NEMA 1 HINGED COVER WIREWAY IN ACCORDANCE TO NEC 705.12.
- 9.332 PROVIDE JUNCTION BOX WHERE REQUIRED TO FEED NORMAL (UTILITY) SOURCE TO NEW ATS-OB.

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CLINTON COUNTY
ADMIN BUILDING GENERATOR LOAD MODIFICATIONS - OPTION 3
1900 N. 3RD STREET
CLINTON, IA

ISSUED
10/27/23 100% BID DOCUMENTS

MSH NO.: 4349400-211778-01
DATE: 10/27/2023
DESIGNED BY: ARG/RKK
DRAWN BY: RKK
CHECKED BY: MAS

DO NOT SCALE DRAWINGS
SHEET CONTENTS
ONE-LINE DIAGRAM

SHEET NO.:

E-701