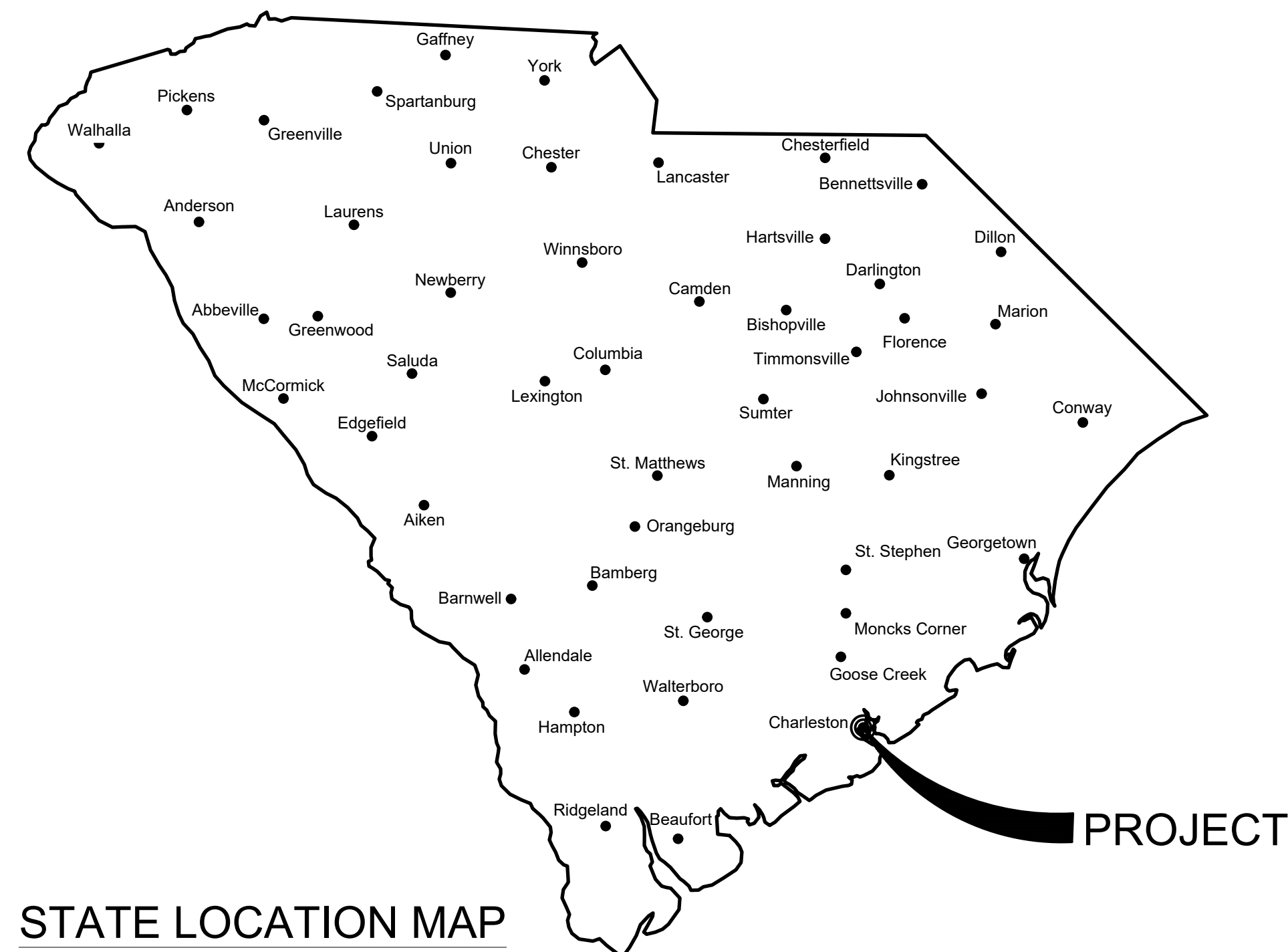


LONNIE HAMILTON TRANSFER SWITCH DESIGN

4045 BRIDGE VIEW DRIVE, NORTH CHARLESTON, SC 29405



LOCATION MAP

INDEX OF DRAWINGS

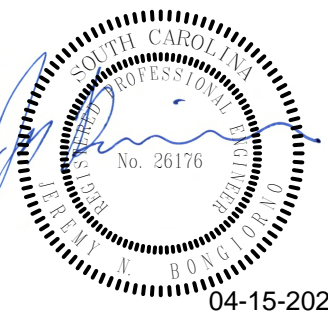
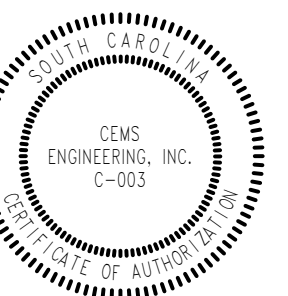
SHEET NO.	SHEET TITLE
GENERAL	
G-001	COVER SHEET AND INDEX OF DRAWINGS
ELECTRICAL	
E-101	MECHANICAL YARD PLANS
E-102	FLOOR PLANS
E-601	RISER DIAGRAMS
E-602	RISER DIAGRAMS
E-603	RISER DIAGRAMS
TOTAL: 6	

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JOB TITLE

COVER SHEET
AND INDEX OF
DRAWINGS

SHEET TITLE



REVISIONS

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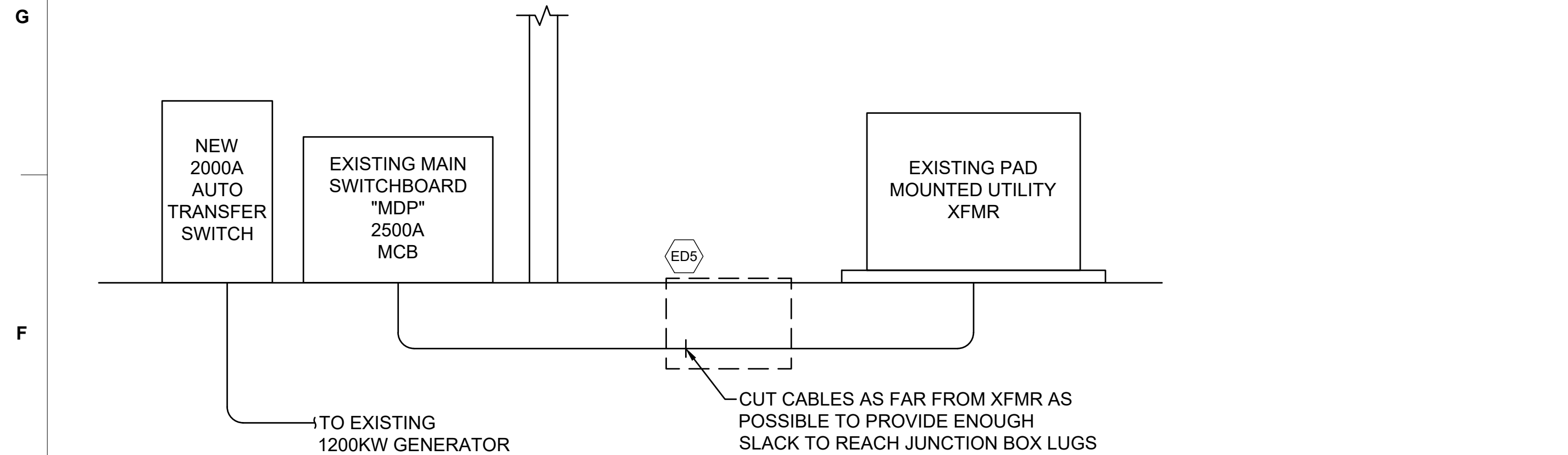
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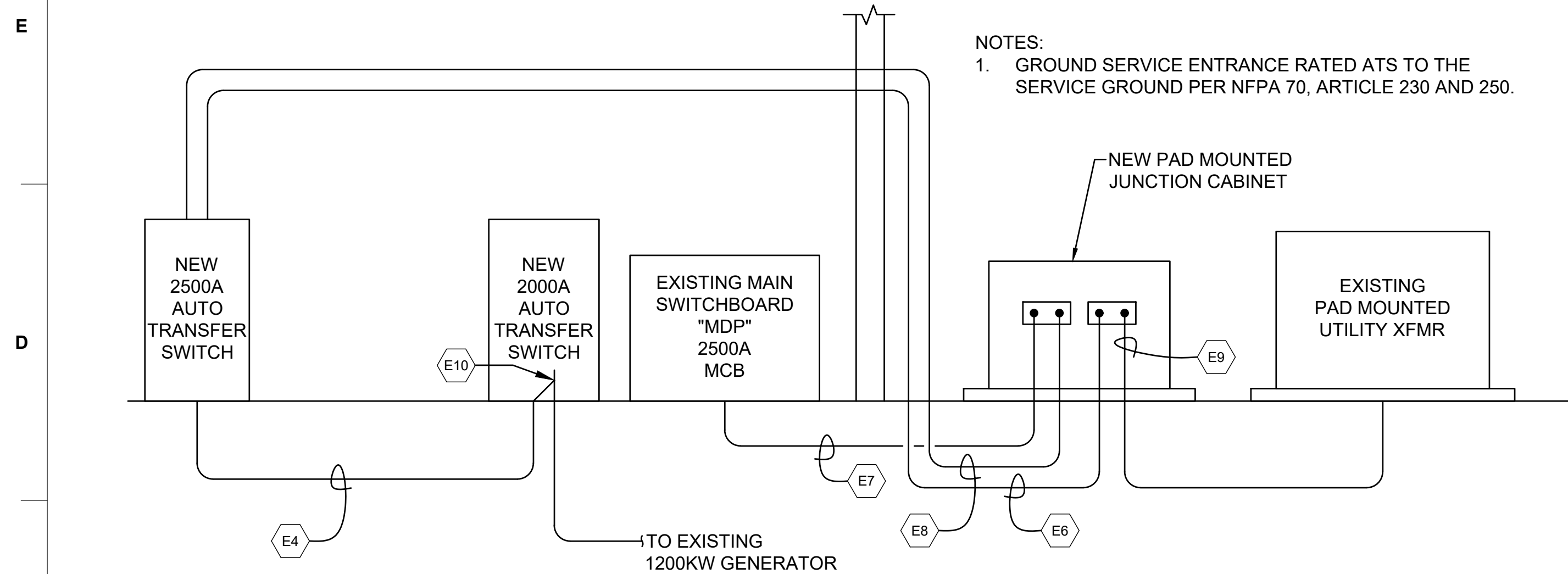
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G-001

EET NO.



E1 PHASE 4: REFEED PANEL MDP DEMOLITION
SCALE: NOT TO SCALE



E4 PHASE 4: REFEED PANEL MDP NEW WORK
SCALE: NOT TO SCALE

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN AS-BUILT SURVEY (PERFORMED BY A SURVEYOR LICENSED IN THE STATE OF SOUTH CAROLINA) OF ALL ABOVE AND BELOW GROUND SITE FEATURES, INCLUDING UTILITIES, WITHIN THE PROJECT SITE AND AREA AFFECTED BY THIS PROJECT SCOPE. SURVEY SHALL CAPTURE ALL UTILITIES AND STRUCTURES. SURVEY SHALL PROPERLY VERIFY THE LOCATION, ELEVATION, DEPTH, MATERIALS, AND SIZES.
2. THE CONTRACTOR SHALL HIRE A UTILITY LOCATE COMPANY TO LOCATE AND MARK ALL SUBSURFACE UTILITIES OR OTHER NOTEWORTHY ITEMS PRIOR TO EXCAVATION AND TO ENSURE PROTECTION IN THE VICINITY OF EXCAVATION, DEMOLITION, REPAIRS, AND CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY LOCATIONS, SIZES, AND DEPTHS OF ALL EXISTING UTILITIES AT LEAST 48 HOURS PRIOR TO THE START OF EXCAVATION AND CONSTRUCTION.
4. THE CONTRACTOR SHALL CALL PUPS, 811 OR (800) 282-7411 BEFORE ANY EXCAVATION AND COORDINATE WITH ANY AGENCY ON LOCATING REQUIREMENTS. SOUTH CAROLINA LAW REQUIRES ANY ACTIVITY THAT RESULTS IN THE MOVEMENT OR REMOVAL OF EARTH, ROCK, OR OTHER MATERIALS IN OR ON THE GROUND THAT RESULTS IN THE MOVEMENT OF REGULATED GAS, ELECTRICAL, CABLE, OR OTHER UTILITIES ON THE GROUND REQUIRES THE EXCAVATOR TO CONTACT THE UTILITY COMPANY OR ONE CALL CENTER WITH ADEQUATE INFORMATION REGARDING THE DIG. EACH EXCAVATOR IS REQUIRED TO WAIT 72 HOURS OR 3 BUSINESS DAYS BEFORE STARTING THE DIGGING WORK.
5. CONTRACTOR SHALL PROVIDE FOR COORDINATION WITH UTILITY PROVIDERS (AS NECESSARY) WITHIN THE PROJECT AREA. UTILITY PROVIDERS FOR COORDINATION ARE:
DOMINION ENERGY POWER CO., CHARLESTON SC: 800-251-7234
DOMINION ENERGY GAS CO., CHARLESTON SC: 800-251-7234
6. THE CONTRACTOR IS HEREBY NOTIFIED THAT NOT ALL UTILITY LOCATIONS ARE SHOWN AND/OR KNOWN, BUT COULD POSSIBLY BE ENCOUNTERED IN THE AREA OF WORK. ALL UTILITIES ENCOUNTERED SHALL BE PROTECTED DURING EXCAVATION, DEMOLITION, REPAIR, AND CONSTRUCTION UNLESS OTHERWISE STATED TO BE REMOVED.
7. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE DONE TO ANY NEW AND EXISTING SITE ITEMS IN THE EXECUTION OF THIS WORK UNDER THIS SECTION.
8. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING SITE CONDITIONS AND BE PREPARED TO ADEQUATELY CARE FOR AND SAFEGUARD HIMSELF AND THE GOVERNMENT FROM DAMAGE. CONTRACTOR TO VERIFY EXISTING UTILITY LINE SIZES AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES BEFORE ORDERING MATERIALS. ADVANCED PERMISSION FROM THE OWNER FOR PHOTOGRAPHY TO DOCUMENT EXISTING CONDITIONS PRIOR TO START OF ANY WORK IS REQUIRED.
9. PROVIDE AND INSTALL ALL EQUIPMENT, ACCESSORIES AND SOFTWARE PROGRAMMING TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.
10. ATS'S ARE TO BE FROM THE SAME MANUFACTURER

SHEET KEYNOTES

- E45 INTERCEPT EXISTING 7-3 1/2" C. 4#500MCM AND GROUND IN EACH TO FROM SERVICE TRANSFORMER TO EXISTING PANEL MDP. CUT CABLING A MIN. OF 10' BEYOND THE LOCATION OF THE JUNCTION CABINET TO PROVIDE ENOUGH SLACK. REMOVE EXISTING CONDUCTORS BACK TO PANEL MDP.
- E4 TAP SPARE LUGS IN NEW 2000A ATS AND EXTEND NEW SIX RUNS OF 4#400KCMIL AND GROUND TO NEW 2500A ATS. COORDINATE LOCATION WITH EXISTING INCOMING SERVICE CONDUCTORS.
- E6 PROVIDE NEW 7-3 1/2" C. 4#500MCM AND GROUND IN EACH TO NEW 2500A ATS NORMAL POWER SIDE.
- E7 PROVIDE NEW 4#500MCM AND GROUND IN EACH OF THE 7 EXISTING CONDUITS TO EXISTING PANEL MDP.
- E8 PROVIDE NEW 7-3 1/2" C. 4#500MCM AND GROUND IN EACH TO NEW 2500A ATS LOAD SIDE.
- E9 PROVIDE NEW CONDUIT FOR FEEDERS TO STUB UP INTO JUNCTION CABINET. CONNECT EXISTING CONDUCTORS TO JUNCTION LUGS.
- E10 COORDINATE LUG CAPACITY OF 2000A ATS WITH MANUFACTURER PRIOR TO ORDERING. PROVIDE WITH ACCESSORIES REQUIRED TO SUPPORT 12 COND. PER PHASE.

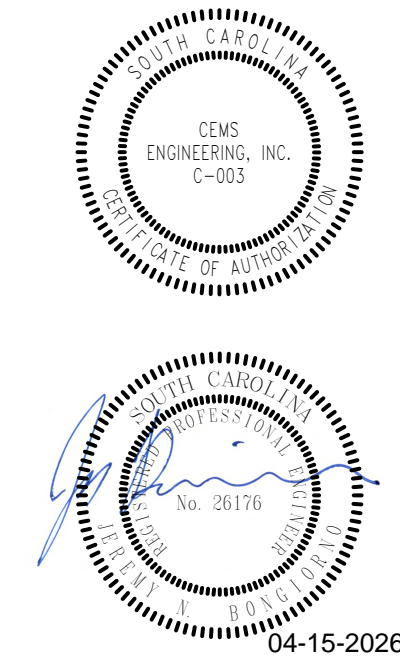


LONNIE
 HAMILTON
 TRANSFER
 SWITCH DESIGN

 JOB TITLE

RISE DIAGRAMS

SHEET TITLE



REVISIONS

[illegible]

C.COOPER

DRAWING

J. BONGIORNO

DESIGNED

J. BONGIORNO

CHECKED

J. BONGIORNO

APPROVED

4/15/2026

ISSUE DATE

19101K

JOB NO.

E-603

SHEET NO.