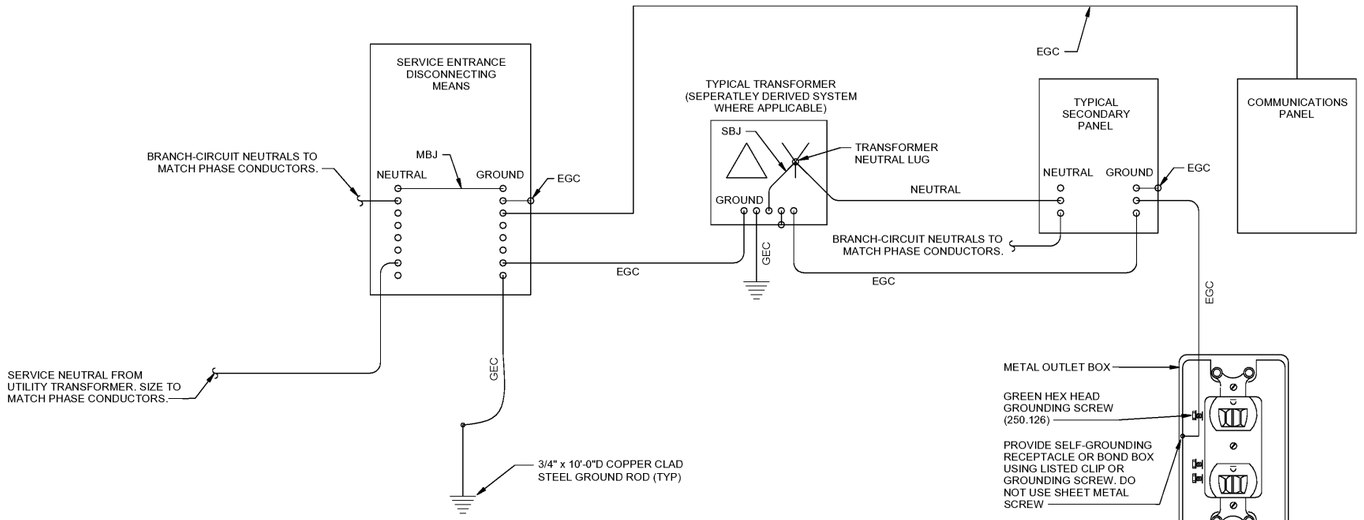

GROUNDING LEGEND		
ABBR	DESCRIPTION	SIZE
MBJ	MAIN BONDING JUMPER	*
SBJ	SYSTEM BONDING JUMPER	*
SSBJ	SUPPLY-SIDE BONDING JUMPER	*
GEC	GROUNDING ELECTRODE CONDUCTOR	**
EGC	EQUIPMENT GROUNDING CONDUCTOR	***

* SIZE PER TABLE 250.102(C)(1).
** SIZE PER TABLE 250.66 OF THE NEC.
*** SIZE PER TABLE 250.122.

GENERAL SHEET NOTES

1. SEE SHEET E-001 FOR ELECTRICAL GENERAL NOTES.
2. SEE SHEET E-002 FOR ABBREVIATIONS AND LEGEND.

GROUNDING NOTES

1. NUMBERS IN BRACKETS REFER TO SPECIFIC SECTIONS OF THE NATIONAL ELECTRICAL CODE.
2. ALL UNDERGROUND OR OTHERWISE INACCESSIBLE GROUND CONNECTIONS AND SPLICES SHALL BE EXOTHERMICALLY WELDED.
3. PROVIDE A BARE COPPER EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS.
4. LIGHTNING PROTECTION SYSTEM: PROVIDE LIGHTNING PROTECTION GROUND RODS BONDED TOGETHER WITH COPPER CABLE. VERIFY THAT LPS DOWN CONDUCTORS ARE BONDED TO LOCAL GROUNDED METAL TO PREVENT FLASHOVER.
5. EARTH SHALL NOT BE USED AS THE SOLE GROUND RETURN PATH FOR ANY EQUIPMENT POWERED UNDER THIS PROJECT.
6. NO ALUMINUM SHALL BE USED FOR GROUNDING WORK WITHOUT THE SPECIFIC WRITTEN PERMISSION OF THE ENGINEER. EXCEPTION: BI-METALLIC COUPLINGS SHALL BE USED TO CONNECT ALUMINUM LPS AIR TERMINALS AND ALUMINUM STRUCTURAL COMPONENTS TO COPPER BONDING AND GROUNDING CONDUCTORS.
7. PROVIDE GROUNDING BUSHING ON BOTH ENDS OF METALLIC SERVICE ENTRANCE RACEWAYS. WHERE NONMETALLIC SERVICE ENTRANCE RACEWAYS ARE UTILIZED, BOND CONNECTED EQUIPMENT ENCLOSURES TO THE NEUTRAL TERMINAL BAR WITHIN THE SERVICE DISCONNECT ENCLOSURE.
8. ALL METAL ENCLOSURES AND RACEWAYS SHALL BE BONDED TO GROUND [250.86]. FOR CIRCUITS OVER 250V PROVIDE BOND PER [250.97]. STANDARD LOCKNUTS ARE NOT ACCEPTABLE. PROVIDE EGC CONNECTED TO ANY JUNCTION BOX WHERE SPLICE IS MADE [250.148]. PROVIDE BOND TO EXPOSED METAL ON ALL MOTORS, PUMPS, AND LIGHTING FIXTURES PER [250.112].

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GEORGIA PORTS

Mark	Description	Date	Appr.

GEORGIA PORTS AUTHORITY
GCT CAPACITY IMPROVEMENTS - PHASE 2

ELECTRICAL GROUNDING DETAILS (SHEET 1 OF 2)

Designed by: JAG
Date: 12/21/20
Rev.
Dwn by: BRL
Ckd by: DAW
M&N Project No. 5531-264B
Reviewed by: JHP
GPA Project No.: 1910-1011C
Submitted by: MOFFATT & NICHOL
Drawing Scale: AS NOTED
Plot scale: 1:1 (D SHEET)

moffatt & nichol
2 EAST BRYAN ST., STE 501
SAVANNAH, GA 31401
912-231-0044

SEAL

Sheet Reference No.
E-501
INDEX: OF

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