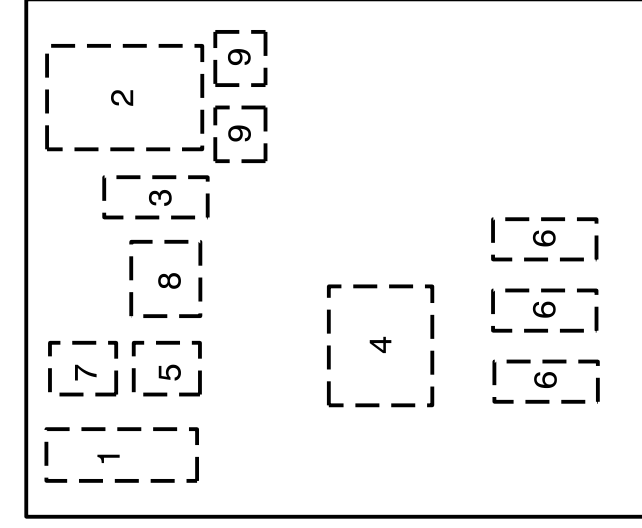


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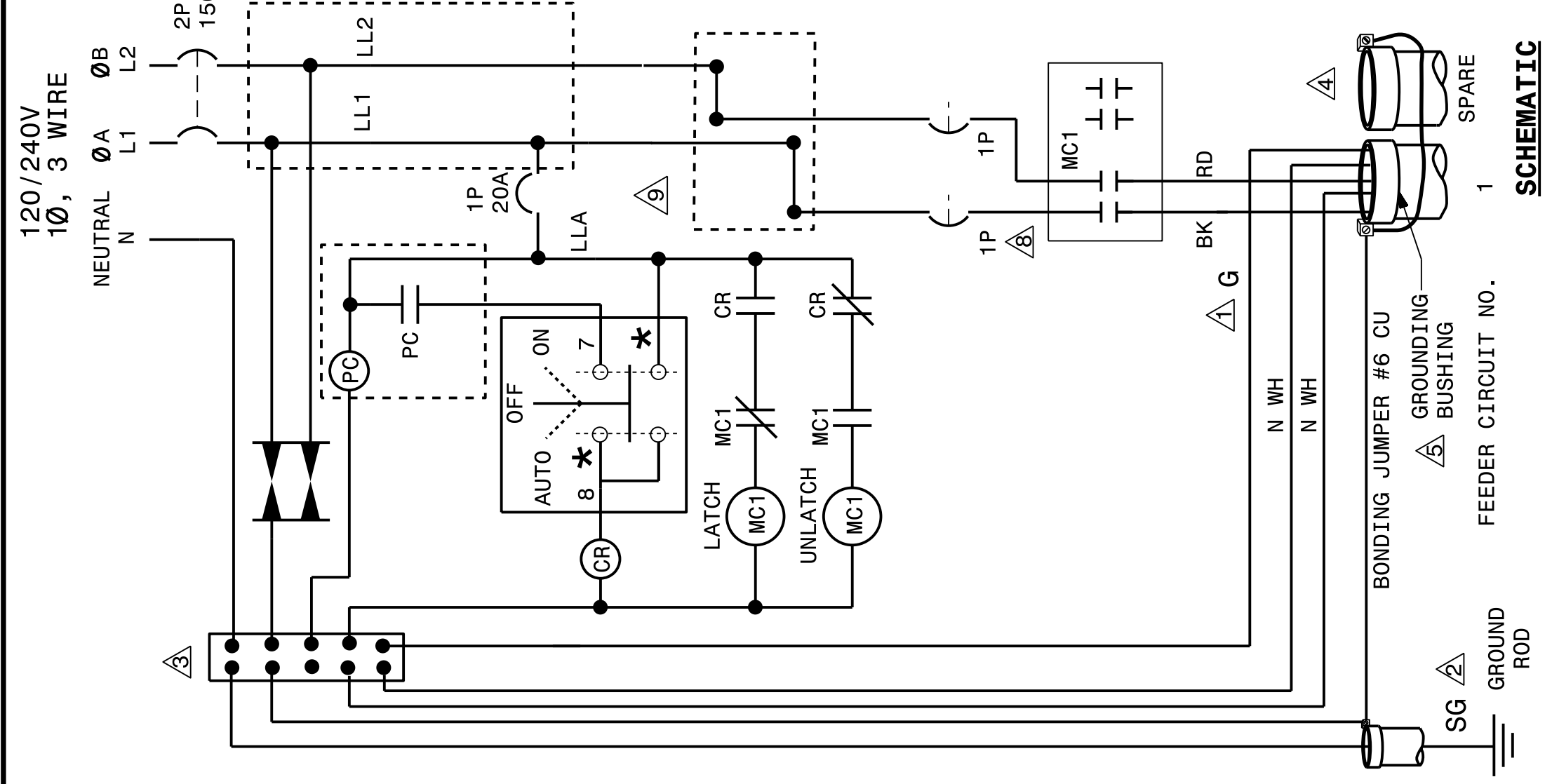
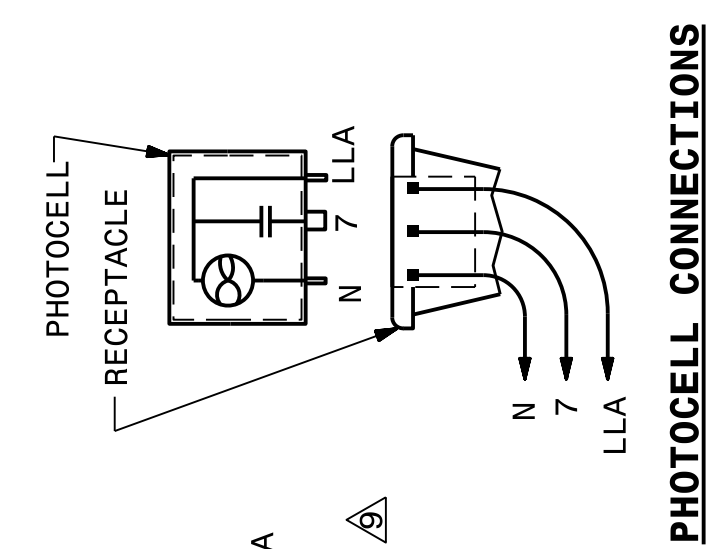
ENGLISH STANDARD DRAWING FOR  
**LIGHT CONTROL SYSTEM**  
SCHEMATIC

SHEET 1 OF 3  
**1408D01**

- NOTES**
- 1 EQUIPMENT GROUNDS (G) SHALL BE SIZED ACCORDING TO CIRCUIT DESCRIPTION. SEE PLANS.
  - 2 SYSTEM GROUND (SG) SHALL BE CONTINUOUS FROM THE NEUTRAL BAR TO THE GROUNDING ELECTRODE (GROUND ROD).
  - 3 THE NEUTRAL BAR SHALL BE BONDED TO THE PANEL.
  - 4 SPARE CONDUIT SHALL BE INSTALLED, AND RUN TO NEAREST JUNCTION BOX AND CAPPED.
  - 5 INSTALL A GROUNDING BUSHING ON EACH METAL CONDUIT. CONNECT BONDING JUMPER AS REQUIRED BY NEC.
  - 6 SEE STANDARD DRAWING 1408.01 SHEET 3 OF 3 FOR ENCLOSURE.
  - 7 THE CONTROL SYSTEM MUST BE LABELED "SUITABLE FOR USE AS SERVICE EQUIPMENT." REFER TO STANDARD SPECIFICATION 1408-2 FOR OTHER REQUIREMENTS.
  - 8 SEE PLANS FOR BREAKER SIZES.
  - 9 PROVIDE MULTI-TAP LOAD LUGS OR POWER DISTRIBUTION BLOCKS.
  - 10 PROVIDE MANUFACTURER SUPPLIED MOUNTING BRACKETS OR SCREW STUDS PERMANENTLY ATTACHED TO THE BACK PANEL, FOR MOUNTING COMPONENTS.
  - 11 INSTALL SURGE PROTECTION DEVICE INSIDE CABINET ASSEMBLY.



#	QTY	DESCRIPTION	SPECIFICATIONS
1	1	NEUTRAL BAR	
2	1	SERVICE CIRCUIT BREAKER	2P, 240V, 60A
3	1	CONTROL CIRCUIT BREAKER	1P, 120V, 15A
4	1	MECHANICALLY HELD CONTACTORS	4P, 240V, 60A W/120V COIL
5	1	CONTROL RELAY W/NC & NO CONTACT	120V, 10A, W/120V COIL
6	3	FEEDER CIRCUIT BREAKERS	1P, 120V, 15A
7	1	SURGE PROTECTOR	
8	1	SELECTOR SWITCH (ON-OFF-AUTO)	120V, 10A
9	4	POWER DISTRIBUTION LUGS OR BLOCKS	
		MOUNTING BRACKETS OR SCREW STUDS	



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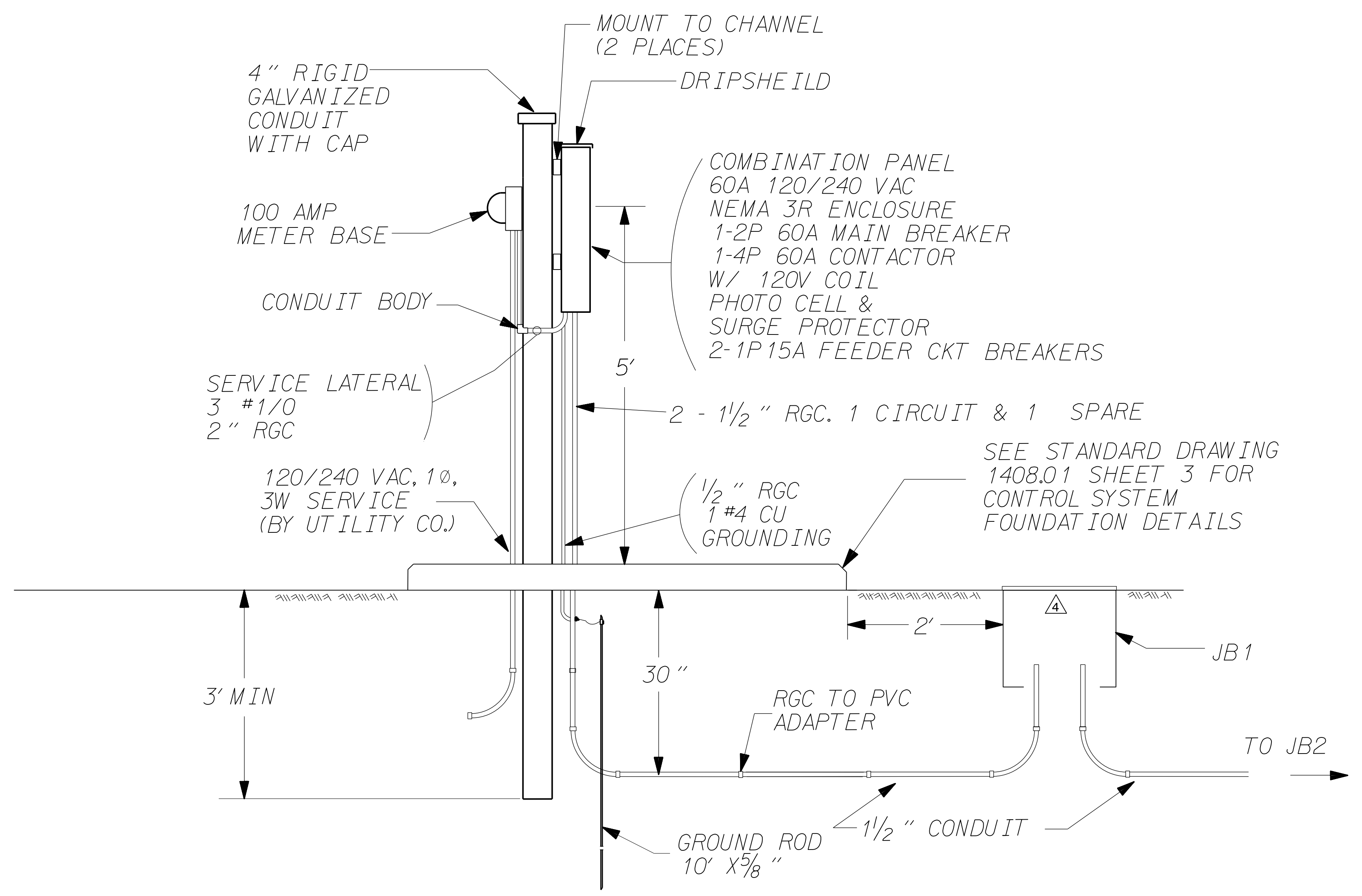
ENGLISH STANDARD DRAWING FOR  
**LIGHT CONTROL SYSTEM**  
SCHEMATIC

SHEET 1 OF 3  
**1408D01**

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CHECKED BY: RGH DATE: 03/13/23

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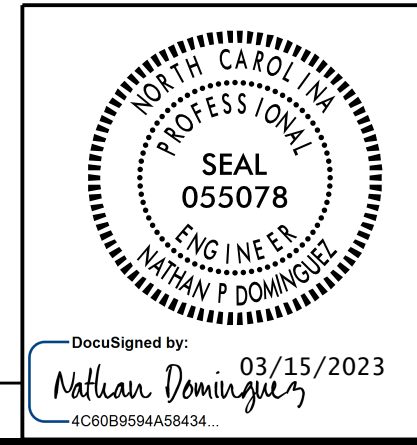
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PROJECT NO. BR-0160  
BRUNSWICK COUNTY  
STATION: -L- 18+64.31

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
PATH LIGHTING ON  
NC 179 BRIDGE  
OVER THE  
CALABASH RIVER



REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED