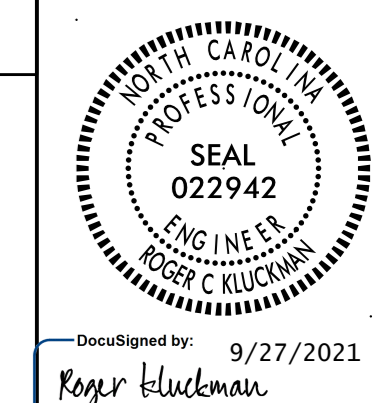
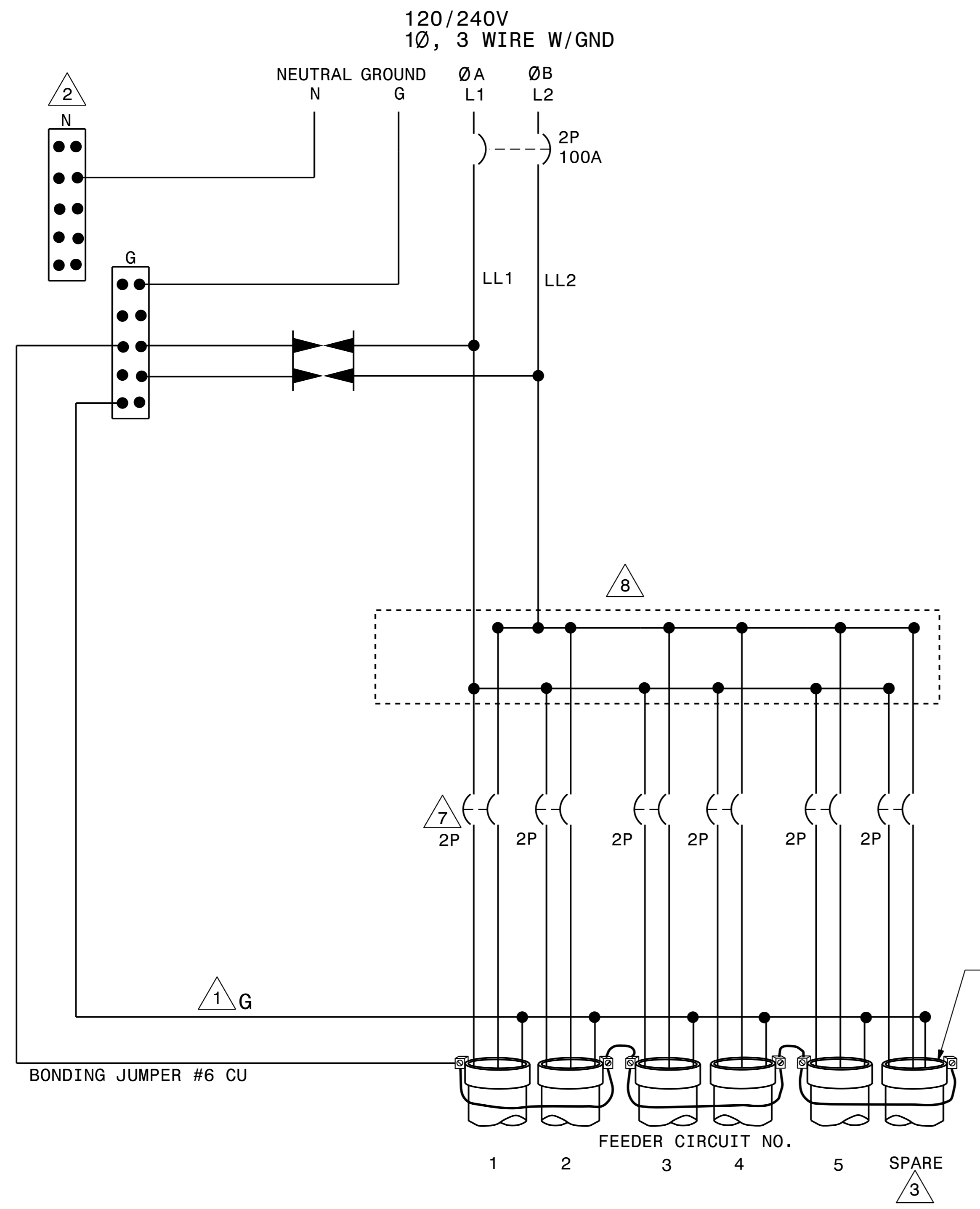


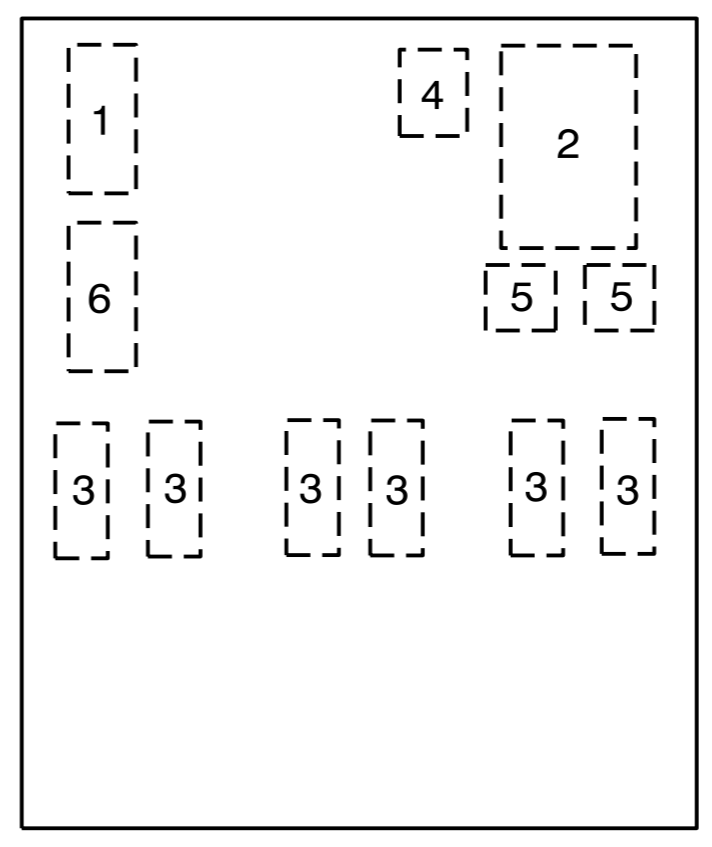
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



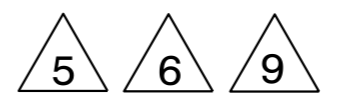
USE FOR LIGHTING CONSTRUCTION ONLY



SCHMATIC



INTERIOR PANEL COMPONENT LAYOUT



- NOTES**
- 1 EQUIPMENT GROUNDS (G) SHALL BE SIZED ACCORDING TO CIRCUIT DESCRIPTION. SEE PLANS.
 - 2 THE NEUTRAL BAR SHALL BE ISOLATED.
 - 3 INSTALL 6 FEEDER CIRCUIT CONDUITS AS SHOWN. UNUSED CONDUIT SHALL BE CAPPED IN THE CONTROL SYSTEM JUNCTION BOX.
 - 4 INSTALL A GROUNDING BUSHING ON EACH METAL CONDUIT. CONNECT BONDING JUMPER AS REQUIRED BY NEC.
 - 5 REFER TO PLAN SHEET E-12 FOR ENCLOSURES. (DETAIL SHEET 6 OF 6).
 - 6 THE CONTROL SYSTEM MUST BE LABELED "SUITABLE FOR USE AS SERVICE EQUIPMENT." REFER TO THE SPECIAL PROVISIONS FOR OTHER REQUIREMENTS.
 - 7 SEE PLANS FOR LIGHTING CIRCUIT BREAKER SIZES.
 - 8 PROVIDE MULTI-TAP LOAD LUGS OR POWER DISTRIBUTION BLOCKS.
 - 9 PROVIDE MANUFACTURER SUPPLIED MOUNTING BRACKETS OR SCREW STUDS PERMANENTLY ATTACHED TO THE BACK PANEL, FOR MOUNTING COMPONENTS.

COMPONENT LIST			
#	QTY	DESCRIPTION	SPECIFICATIONS
1	1	NEUTRAL BAR	
2	1	SERVICE CIRCUIT BREAKER	2P, 240V, 100A
3	**	FEEDER CIRCUIT BREAKERS	2P, 240V, 50A MAX
4	1	TYPE 1 SURGE PROTECTION DEVICE	20,000A RATED
5	2	POWER DISTRIBUTION LUGS OR BLOCKS	
		MOUNTING BRACKETS OR SCREW STUDS	
6		GROUND BAR	

**PROVIDE THE NUMBER OF BREAKERS SHOWN IN THE LOAD SCHEDULE ON THE PLANS. INCLUDE SPARE BREAKER AS WELL.

2			
1			
Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION 120/240V CONTROL SYSTEM "W" SCHEMATIC SHEET 2 OF 6 GUILFORD COUNTY			
Drawn By:	AB	Approved By:	Dwg No.:

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