


# SPECIFICATIONS FOR BONDING GROUNDING ELECTRODE CONDUCTORS AND GROUNDING ELECTRODES

1. PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, INCLUDING THE APPLICATION OF APPROVED SAFETY MEASURES AND EQUIPMENT.
2. GROUNDING CONDUCTORS AND ELECTRODES MUST COMPLY WITH LOCAL CODES
3. UNLESS OTHERWISE SPECIFIED, CONNECT CONDUCTORS TO GROUND RODS WITH COMPRESSION TYPE CONNECTORS OR EXOTHERMIC WELD.
4. COMPRESSION TYPE CONNECTORS SHALL BE SUITABLE FOR DIRECT BURIAL IN EARTH OR CONCRETE. THEY SHALL ADHERE TO UL 467 AND IEEE 837 STANDARDS. THEY SHALL HAVE HIGH COPPER ALLOY CONTENT, BE OF THE NON-REVERSIBLE TYPE, AND BE FACTORY FILLED WITH OXIDE INHIBITING COMPOUND.
5. EXOTHERMIC WELD CONNECTIONS SHALL BE MADE USING THE COPPER OXIDE REDUCTION BY ALUMINUM PROCESS. MOLDS MUST ADHERE TO THE FOLLOWING REQUIREMENTS:
  - MOLDS MUST BE PROPERLY SIZED FOR EACH APPLICATION
  - MOLDS MUST BE OF THE GRAPHITE TYPE.
  - MOLDS MUST USE PREMEASURED, SEALED DOSE CUPS WITH ELECTRONIC IGNITION SINGLE-USE AND CERAMIC TYPE MOLDS ARE NOT ACCEPTABLE. WELDS WHICH HAVE "PUFFED UP" OR WHICH SHOW CONVEX SURFACES, INDICATING IMPROPER CLEANING ARE NOT ACCEPTABLE.
6. REMOVE PAINT, RUST, OR OTHER NON-CONDUCTING MATERIAL FROM CONTACT SURFACES. COAT SURFACES WITH OXIDE-INHIBITING COMPOUND BEFORE MAKING CONNECTIONS.
7. GROUNDING CONDUCTORS MAY BE SPLICED AT GROUND RODS.
8. ALL CONNECTIONS SHALL BE INSPECTED BY BWP PRIOR TO BURIAL.

						<b>BURBANK WATER AND POWER – ELECTRIC SERVICES</b>	
						SPECIFICATIONS FOR BONDING GROUNDING ELECTRODE CONDUCTORS AND GROUNDING ELECTRODES	DRAWING No.  <b>S-821B</b>
B	STANDARDIZED FORMATTING	MEP	CJC	5/9/23			
A	ORIGINAL	GN	SK	10/22/2020			
No.	REVISIONS	BY	APP'V'D	DATE			