



E03-01J

Kimley»Horn

1. THESE REQUIREMENTS ARE IN ADDITION TO SPECIFICATIONS SECTION 265529 "GROUNDING & BONDING".
2. CONTACT SURFACES SHALL BE CLEANED OF CONTAMINANTS SUCH THAT DIRECT METAL TO METAL CONTACT IS MADE.
3. GROUNDING CONDUCTORS, LUGS, CONNECTORS, ETC. SHALL BE COPPER, TINNED COPPER OR SILVER PLATED COPPER FOR GROUND BARS.
4. MOUNTING HARDWARE SHALL BE TORQUED PER MANUFACTURER'S SPECIFICATIONS. SHOW TORQUE MARKS AND LOG ALL TORQUE VALUES.
5. LUGS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. USE ONLY SPECIFIC TOOL, AND DIE OR CRIMPING TOOL, CRIMPING TOOLS ALLOWED.
6. THREADED PRESSURE CONNECTORS SHALL NOT BE USED.
7. CONDUCTORS SHALL BE EQUIPPED WITH A PRINTED DESTINATION TAG. REFER TO DETAILS.
8. MULTIPLE CONNECTORS SHALL NOT BE SECURED BY THE SAME CLAMPING DEVICE.
9. SECURE CONDUIT WITH NONMETALLIC CLAMPS TO ELIMINATE GROUND "CHOKES".
10. SUPPORT BARS SHALL BE COPPER OR ALUMINUM. EVERY 12".
11. BENDING RADIUS OF CABLE SHALL BE GREATER THAN 12" AND NO CASE SHALL HAVE INCLINING BENDING ANGLE BE LESS THAN 90 DEGREES.
12. CONTRACTOR SHALL APPLY A "NO-OX" COATING BETWEEN THE CABLES AND SUPPORT BARS.
13. GROUND LUGS SHALL HAVE SHRINK WRAP INSULATION 2" BEYOND THE END OF LUG.
14. CABLE INSULATION SHALL NOT BE MORE THAN 0.2" FROM THE LUG.
15. LABEL ALL GROUND BARS WITH PERMANENTLY GROUNDING IDENTIFICATION.
16. GROUND BAR CONNECTORS SHALL NOT SHARE CONDUIT OR PULL BOXES WITH CONDUCTORS OF OTHER SYSTEMS.
17. GROUND CABLES TO INCLUDE COUNTERPOISE CABLE SHALL BE BURIED IN UNDISTURBED EARTH.
18. COORDINATE LIGHTNING PROTECTION SYSTEM DOWN THE LENGTH OF THE BUILDING. PRECAST PANELS & DOWN LEADS SHALL BE INSTALLED BETWEEN THE PROTECTIVE COLUMNS. COORDINATE LIGHTNING PROTECTION CONTRACTOR TO TERMINATE DOWN LEADS BETWEEN THE PROTECTIVE COLUMNS. PRECAST SHALL BUILDING COLUMNS BE USED AS GROUND CONDUCTORS.
19. BURIED AND INACCESSIBLE CONNECTIONS SHALL BE MADE USING WELDED OR HIGH PRESSURE, HIGH RESISTING CRIMPS.
20. ALL GROUNDING CONDUCTORS SHALL BE #20 BARE COPPER UNLESS OTHERWISE INDICATED.
21. REFER TO GROUNDING DETAILS FOR ADDITIONAL INFORMATION.
22. REFER TO LIGHTNING PROTECTION PLANS FOR ADDITIONAL GROUNDING REQUIREMENTS.