Electrical - Work Completion Job Site Inspection Attributes

☐ _____ **Installation** - System/component orientation is IAW the procedure/drawings or has been accepted by Engineering via a DL/DR resolution

☐ _____ **Covers** - Drip shields and covers are properly installed

☐ _____ **Fouls or damage** - Equipment does not foul the operational envelope of other equipment and is not damaged (cables do not foul valve hand wheels, etc.)

☐ _____ **Cable Bend Radius** - Satisfactory - not violated - no kinks or excessive bends

☐ _____ **Cable banding/lacing** - Cables are banded properly and internal wiring harnesses are properly routed and laced

☐ _____ **Penetrations** - Stuffing tubes, MCTs, chaffing rings and gland nuts are installed, tested and tight

☐ _____ **Hangers** - Properly installed, spaced, and preserved (painted) (hangers are connected/ made up correctly and welded (welded all the way around)

☐ _____ **Grounding** - Equipment is properly grounded - See MIL STD 1310G (on C-950 WEB - Tech Library Section)

☐ _____ **Indicator lights** - Installed

☐ _____ **Cabinets/Panel Installation** - Correctly mounted, cables connected to jacks, unused jacks have dust caps installed, all unused penetrations are properly sealed

☐ _____ **Nameplates** - Per the technical directions and MIL STDs (no damaged or missing label/ name plates)

☐ _____ **Cleanliness** - No foreign material inside cabinets or components

☐ _____ **Electrical Connections** - Tight and connected to correct termination points

☐ _____ **Bus Work** - See Q-gram 090 for bus work requirements

☐ _____ **Meters** - Installed and calibrated as required by the TWD

☐ _____ **Fastener Installation** - Torque and thread protrusion - required thread protrusion is - 1 FULL THREAD MIN TO 10 MAX (2-5 preferred) or as required by the technical requirements

☐ _____ **Gaskets** - Installed and sealed properly

☐ _____ **Preservation and Painting** - Complete or listed on another document for later completion

☐ _____ **Switchboard Closeout Inspections** - Completed per Q-gram 090

☐ _____ **Wiring** - Inspect for chafed, frayed, brittle, charred spliced wires and evidence of loose connections

☐ _____ **Shock Mounted/Sound Isolated Equipment** - Inspect for damaged isolators and sound shorts. Inspect for proper grounding. Ensure that cables in the last hanger are installed properly per specified methods. Check cable termination

☐ _____ **Interconnecting Cables** - Inspect for proper installation of clamps, banding, hangers, etc... Inspect for damaged cables, conduit, cable tags and ribbon. Check for properly terminated armor and conduit

☐ _____ **Breakers** - Inspect for incorrect circuit breaker overload trip settings and incorrect circuit breaker identification (as specified by the appropriate TWD/work instruction)