SIEMENS TPS3 SURGE PROTECTIVE DEVICE INSPECTION SHEET

Project Name: ______________________ **Date:** ______________________

Location: ______________________ **Time:** ______________________

______________________ **Inspector:** ______________________

Company: ______________________

CAUTION BEFORE ENERGIZING SIEMENS SURGE PROTECTORS INSPECT FOR POSSIBLE BONDING AND GROUNDING HAZARD

Failure to follow these instructions can result in TVSS/SPD damage

1. Before the SPD is installed, verify the neutral conductor in the service entrance equipment is **bonded** to ground in accordance with the National Electrical Code® (NEC).
2. Verify the neutral terminals (X_0) on the secondary side of all distribution transformers are grounded to the system ground in accordance with the NEC and all applicable codes.

See Operations and Maintenance Manual for further instructions.

Installing the SPD on a distribution system without NEC® compliant N-G bonding, or on any ungrounded distribution system, can result in SPD damage. Proper N-G bonds establish the distribution system's reference to ground. Without reference to ground, L-G voltages can rise, while L-N voltages remain normal. Suppression elements inside the SPD will attempt to control the overvoltage. This is a steady-state condition, not a transient condition, and may damage the SPD. This SPD includes thermal cutout protection. The activation of any thermal cutout signifies a sustained overvoltage condition in excess of 115% of nominal operating voltages, i.e., a distribution system problem. Operation of thermal cutouts can be verified at the factory and is not a defect in workmanship or material.

Energize SPD ONLY AFTER system is energized, inspected and stabilized whenever possible.

Test Readings																
SIEMENS Model #	Manufactured Date	Panel Designation	Indicator Lights Status G – Green N – No Light			Phase to Neutral Voltage Measurement			Phase to Ground Voltage Measurement			Phase to Phase Voltage Measurement			Neutral to GND Voltage Measurement
			Phase A	Phase B	Phase C	A-N	B-N	C-N	A-G	B-G	C-G	A-B	B-C	C-A	N-G
			G ☐ N ☐	G ☐ N ☐	G ☐ N ☐										
			G ☐ N ☐	G ☐ N ☐	G ☐ N ☐										
			G ☐ N ☐	G ☐ N ☐	G ☐ N ☐										
			G ☐ N ☐	G ☐ N ☐	G ☐ N ☐										
			G ☐ N ☐	G ☐ N ☐	G ☐ N ☐										
			G ☐ N ☐	G ☐ N ☐	G ☐ N ☐										
			G ☐ N ☐	G ☐ N ☐	G ☐ N ☐										
			G ☐ N ☐	G ☐ N ☐	G ☐ N ☐										
			G ☐ N ☐	G ☐ N ☐	G ☐ N ☐										
			G ☐ N ☐	G ☐ N ☐	G ☐ N ☐										

Is red service light flashing? Yes ☐ No ☐. If yes, indicate panel designations ______________________

Notes ______________________

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