SECTION 264313 – SURGE PROTECTIVE DEVICE (SPD)

1. GENERAL
	1. SUMMARY
		1. Section includes field mounted surge protection.
	2. SUBMITTALS
		1. Provide SPD Specified Performance Compliance Form, fully executed, with the required documentation and signed by an authorized company representative.
	3. WARRANTY
		1. Manufacturer shall warranty product for fifteen (15) years, twenty (20) years when provided downstream from a Current Technology TOP SPD.
2. PRODUCTS
	1. GENERAL REQUIREMENTS
		1. SPD shall be UL 1449 4th Edition Listed as a Type 1 device, with Inominal rating of 20 kA.
		2. MCOV shall be at least 115% of the nominal system operating voltage.
		3. SCCR: 200 kAIC.
		4. Enclosure: NEMA 4/12.
	2. MANUFACTURER
		1. Current Technology CGP series with voltage configuration and surge current rating as per drawings
		2. Other manufacturers are invited to submit for prior approval; provide the information required in Section 1.2 SUBMITTALS.
	3. PRODUCT REQUIREMENTS
		1. Monitoring features.
			1. Indicator lights which display protection status
			2. Audible alarm with silence switch
			3. Form C contacts for remotely monitoring of protection status
			4. Service required light.
			5. Surge counter
			6. Integral Test Point
		2. Performance values, i.e., peak surge current rating and minimum repetitive impulse capacity, shall be the values at which the SPD was tested and survived with less than a 10% degradation in VPR.
3. EXECUTION
	1. INSTALLATION
		1. Install SPD according to NEC, local electrical codes and manufacturer’s instructions.
		2. Test SPD with a portable test set to confirm proper wiring and that the suppressed voltage rating, as installed, is within 10% of the suppressed voltage rating value when tested prior to shipment.