Quick Connect Cabinets

1. GENERAL
	1. Quality Assurance
		1. Electrical Components, Devices, and Accessories: Listed and labeled up to 1,200 amperes as defined in UL 1008, by qualified testing agency, and marked for intended location and application.
		2. Comply with UL1008
	2. Submittals
		1. Product Data: Include ratings and dimensioned plans, sections, and elevations showing minimum clearances, conductor entry provisions, gutter space, installed features and devices, and material lists for each switch specified.
		2. Drawings: Outline, Schematic and Part Layout drawings shall be provided for each switch. Drawings shall differentiate between manufacturer-installed and field installed wiring. Show both power and control wiring.
		3. Maintenance Data: For each type of product, include maintenance manuals as specified in Division One. Include all features and operating sequences, both automatic and manual. List all factory settings of relays and provide relay setting and calibration instructions, including software, where applicable to be supplied by others.
	3. Guarantee/Warranty
		1. The equipment installed under this contract shall be left in proper working order.
		2. New materials and equipment shall be guaranteed against defects in composition, design, or workmanship. Guarantee certificates shall be furnished upon request.
2. PRODUCT
	1. Quick Connect Cabinet
		1. Manufacturers: Subject to compliance with requirements, provide products by the following:
			1. Lake Shore Electric, LLC.: Quick Connect Cabinet
			2. Lake Shore Electric, LLC. Part No.: [[Insert Part Number](https://lake-shore-electric.com/wp-content/uploads/Quick-Connection-Cabinets.pdf)]
			3. Lake Shore Electric, LLC, https://wwww.lake-shore-electric.com/ and/or sales@lake-shore-electric.com
3. GENERAL REQUIREMENTS
	1. Quick Connect Cabinet shall include 15/16 Series Cam Lock Panel Mounts for use as connection to Portable Generator.
	2. Entire package must be listed to UL 1008 Standards. UL listing of individual components is not acceptable.
	3. Enclosures:
		1. NEMA 3R rain-tight, 14GA Steel Enclosure
			1. Pad-lockable front door shall include a hinged access plate at the bottom for entry of cables from portable generator. NEMA 3R integrity shall be maintained with access plate open for cable entry.
			2. Front access panel shall be accessible for maintenance.
			3. Top, side, and rear shall be accessible for permanent cabling.
		2. Finishes:
			1. Paint after fabrication. Powder coated ANSI 61 Gray, Textured.
	4. Phase, Neutral, and Ground Buses:
		1. Material: Silver-plated Copper
		2. Equipment Ground Bus: Bonded to box.
		3. Neutral Bus: Neutral bus rated 100 percent of phase bus.
		4. Round edges on bus.
	5. Temporary generator connectors shall be Camlock style mounted on gland plate.
		1. Camlock shall be color coded according to system voltage
		2. A phase – Black or Brown
		3. B phase – Red or Orange
		4. C phase – Blue or Yellow
		5. N Neutral – White
		6. G Ground – Green
	6. Permanent connectors shall be broad range set-screw type, located behind a Glastic barrier.
	7. Short Circuit & Withstand Rating
		1. Shall be minimum 65KAIC when protected by specific breaker unless otherwise indicated on drawings.
	8. Voltage & Amperage:
		1. [Insert Amperage & Voltage Requirements]
	9. Additional accessories shall be included in submittal drawings as follows:
		1. A: Floor Stand
		2. B: Mating Cam-Lok Plug & Cabe Kits
		3. C: Compression Lug Kits
		4. D: Mechanical Lugs
		5. E: Phase Rotation Monitor
		6. F: Kirk Key Interlocks
		7. G: Cam-Lok Snap Caps
		8. F: Terminal Strips
4. Execution
	1. Examination
		1. Examine elements and surfaces to receive Quick Connect Cabinet for compliance with installation tolerances and other conditions affecting performance of the Work.
		2. Installation
			1. Surface, Flush or Base Mounted: Determined by Application
			2. Install anchor bolts to elevations required for proper attachment to Quick Connect Cabinet.
		3. Field Quality Control
			1. Third Party Tests and Inspections to include the following:
			2. Perform each visual and mechanical inspection and electrical test stated in NETA Acceptance Testing Specification. Certify compliance with test parameters.
			3. Prepare test and inspection reports, including a certified report that identifies Quick Connect Cabinet and that describes scanning results. Include notation of deficiencies detected, remedial action taken, and observations after remedial action.

END OF SECTION:QUICK CONNECT CABINETS