**SECTION 26 32 90**

GENERATOR CONNECTION CABINET

1. **GENERAL**
	1. **SUMMARY**
		1. Section Includes:
			1. Generator Connection Cabinet
		2. Related Sections include but are not necessarily limited to:
			1. Division 00 - Bidding Requirements, Contract Forms, and Conditions of the Contract
			2. Division 01 - General Requirements
			3. Section 26 05 00 - Electrical: Basic Requirements
	2. **QUALITY ASSURANCE**
		1. Referenced Standards:
			1. Underwriters Laboratories, Inc (UL):
				1. 1773: Standard for Termination Boxes
			2. National Electrical Manufacturers Association (NEMA):
				1. 250, Enclosures for Electrical Equipment (1000 Volts Maximum)
	3. **QUALIFICATIONS**
		1. For the equipment specified herein, the Generator Connection Cabinet shall be of standard design and manufacture, and not a custom built piece of equipment
		2. The manufacturer of this equipment shall have produced similar electrical equipment for a minimum period of five (5) years. When requested by the Engineer, an acceptable list of installations with similar equipment shall be provided demonstrating compliance with this requirement.
	4. **REGULATORY REQUIREMENTS**
		1. The Generator Connection Cabinet shall be UL labeled as a complete assembly
	5. **SUBMITTALS**
		1. Shop Drawings:
			1. Product technical data:
				1. Overall product dimensions: height, width, depth
				2. Front and side elevation views
				3. Foot/wall print
				4. Line & load connection details
				5. Conduit entry location(s)
				6. Assembly ratings including

Short-circuit rating

Voltage

Continuous current Amperage rating

* 1. **DELIVERY, STORAGE, AND HANDLING**
		1. See Specification Section 26 05 00
	2. **WARRANTY**
		1. Manufacturer's Warranty: Manufacturer agrees to repair or replace components of Generator Connection Cabinet that fail in materials or workmanship within specified warranty period
			1. Warranty Period: 12 months from date of installation or 18 months from date of shipment, whichever occurs first
1. **PRODUCTS**
	1. **ACCEPTABLE MANUFACTURERS**
		1. Subject to compliance with the Contract Documents, the following manufacturers are acceptable:
			1. Generator Connection Cabinet:
				1. Berthold Electric
				2. No substitutions
	2. **GENERATOR CONNECTION CABINET**
		1. Ratings:
			1. Voltage and amperage: As indicated on the Drawings
			2. Short circuit withstand: 35,000AIC
		2. Construction:
			1. Bus material: Silver plated copper
			2. Bus supported with UL Recognized Component insulators
			3. Permanent bus connection:
				1. {Mechanical set screw lugs}{Long barrel compression lugs}
				2. Quantity: As required for the number of conductors indicated on the Drawings
			4. Field (temporary) wiring connections:
				1. Mechanical set screw lugs
				2. Quantity: 1 connection per 400A
		3. Enclosure:
			1. {Wall mount}{Pad mount}
			2. NEMA 3R rated
			3. Material: {Aluminum}{Stainless steel}
			4. Finish: {Bare metal} {Powder coat ANSI-61 gray}
			5. Lockable latches on front door
			6. Access panel door for field terminated cables held captive by front door
			7. Drip hood
		4. Optional Features
			1. {Temporary cable access panel interlocking micro switch}
			2. {Provision for Kirk Key interlock on front door & temporary cable access panel}
			3. {Phase sequence & failure indication
				1. Relay mounted inside enclosure and factory wired to bus
				2. LED illuminates on proper phase rotation}
			4. (Not used)
			5. {Provision for field installed duplex receptacle}
			6. (Not used)
			7. {Custom feature – describe}
			8. {Welded construction}
			9. {4-point 20 amp terminal strip for auto-start wires}
		5. Standards: UL 1773: Standard for Termination Boxes
2. **EXECUTION**
	1. **INSTALLATION**
		1. Install as indicated and in accordance with manufacturer's recommendations and instructions
		2. Connect as indicated in one-line diagram

**END OF SECTION**