**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**