SECTION 262811 - MAIN SERVICE DISCONNECT - UNDER 600V

1. GENERAL
   * + 1. SUBMITTALS
          1. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
          2. Manufacturer’s installation instructions shall be provided along with product data.
          3. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).
          4. Waiver of Submittals: The “Waiver of Certain Submittal Requirements” in Section 013300 does not apply to this Section.
          5. Product Data: Catalog sheets, specifications and installation instructions.
          6. Contract Closeout Submittals:

Operation and Maintenance Data: Deliver 2 copies, covering the installed products, to the Director’s Representative.

1. PRODUCTS
   * + 1. MATERIALS
          1. Fusible Disconnect Switch: General Electric Co.’s Type TH, Westinghouse Elec. Corp.’s H-600, Square D Co.’s Heavy Duty Series, or Challenge/FPE Heavy Duty Series having:

Fuses - See Section 262813.

NEMA 1 enclosure.

Solid neutral.

UL label “Suitable For Use As Service Equipment”.

Voltage rating, current rating and number of poles as indicated on the drawings.

* + - * 1. Bolted Pressure Switch: Pringle Electrical Mfg. Co.’s Type QA, or Kelek Div. of Arrow Hart Kam-Lok Pressure Switch, having:

Fuses - See Section 262813.

NEMA 1 enclosure, freestanding type.

Full neutral bus.

Accommodations in switch for power company metering transformers.

Voltage rating, current rating and number of poles as indicated on the drawings.

* + - * 1. Enclosed Circuit Breaker: As produced by General Electric Co., Westinghouse Electric Corp., Challenger/FPE, Siemens/ITE, or Cutler-Hammer Inc. having:

NEMA 1 enclosure.

Solid neutral.

UL label “Suitable For Use As Service Equipment”.

Voltage rating, current rating and number of poles as indicated on the drawings.

Circuit breaker as follows:

| **VOLT** | **POLES** | **FRAME** | **ATE/FIXED**  **OR INTERCHANGEABLE** | **GE** | **W** | **C/FPE** | **S/ITE** | **CH/EH** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 240 | 2 or 3 | 100 | 15-100/F | TED | EHD | SEF | EDA | FS2 |
| 240 | 2 or 3 | 225 | 70-225/F or I | TFJ/TFK | JB/KB | SF | FXD6 | KB |
| 240 | 2 or 3 | 400 | 125-400/I | TJK4 | KD | SJK | JXD6 | LB |
| 240 | 2 or 3 | 600 | 450-600/I | TJK6 | LA | SJK | LD6 | LA |
| 240 | 2 or 3 | 800 | 700-800/I | TKM8 | MC | SKM | MD6 | MA |
| 480 | 2 or 3 | 100 | 15-100/F | TED | EHD | SEH | ED6 | EHB |
| 480 | 2 or 3 | 225 | 70-225/F or I | TFJ/TFK | JD/JDB | SF | FD6 | KB |
| 480 | 2 or 3 | 400 | 125-400/I | TJK | LB | NJL\* | JL | LB |
| 480 | 2 or 3 | 600 | 450-600/I | TJK | LA | NM | LL | LA |
| 480 | 2 or 3 | 800 | 700-800/I | TKM | MA | NM | KM | MA |

\*Requires label on breaker stating exchange policy for future ATE requirements.

* + - * 1. Large Air Circuit Breaker: General Electric Co.’s AK Series, or Westinghouse Electric Corp.’s DS Series circuit breaker, having:

Manually operated, stored energy operating mechanism.

General purpose ventilated enclosure.

Neutral bus.

UL label “Suitable For Use As Service Equipment”.

Dual Magnetic overcurrent tripping device per pole, suitable for long time delay and instantaneous tripping adjustments.

Voltage rating, current rating and number of poles as indicated on the drawings.

1. EXECUTION
   * + 1. INSTALLATION
          1. Install main service disconnect on concrete base.

Use paragraph above for freestanding disconnect. Include section 260549. Use paragraph below when weight of disconnect is within structural capability of wall.

* + - * 1. Mount main service disconnect on wall so that maximum height above the floor to the center of the operating handle does not exceed 6-1/2 feet.

Fill in system parameters below.

* + - * 1. Stencil on front cover of main service disconnect with white paint in minimum 1 inch lettering, the words MAIN SERVICE DISCONNECT, \_\_\_\_\_\_ phase, \_\_\_\_\_\_ wire, \_\_\_\_\_\_ volts.

END OF SECTION 262811