SECTION 16251

NONAUTOMATIC TRANSFER SWITCH

# GENERAL

## DESCRIPTION

### This section includes materials and installation of manually operated, nonautomatic transfer switches.

## RELATED WORK SPECIFIED ELSEWHERE

### Section 16010: General Electrical Requirements.

### Section 16480: Low-Voltage Motor Control.

## SUBMITTALS

### Submit shop drawings in accordance with the General Conditions.

### Submit manufacturer’s descriptive data including ratings, circuit diagrams, dimensional data, conduit entry restrictions, and a list of accessories. Non-automatic Transfer Switch submittal shall contain at a minimum, the following:

#### Dimensioned outline drawing with clearance requirements.

#### Schematic diagram.

#### Component list.

#### Conduit entry and exit locations.

#### Complete wiring, panel elementary and process/instrument diagrams.

#### Seismic certification and equipment anchorage details

#### Assembly ratings including:

##### Short circuit rating

##### Voltage

##### Interrupting current

##### Continuous current

## MEASUREMENT AND PAYMENT

### Payment for the work in this section shall be included as part of the lump-sum bid amount stated in the Proposal.

# MATERIALS

## TRANSFER SWITCH

### Transfer switch shall be open type and installed as shown in the drawings. Transfer switch shall have number of poles, amperage, and voltage ratings as shown in the drawings. Withstand current rating shall not be less than 30,000-ampere rms symmetrical or match with MCC rating.

### Transfer switch shall be listed per UL-1008 as a recognized component for emergency systems and rated for all classes of loads.

## ACCESSORIES

### Auxiliary contacts for remote indication of switch position, one normally open and one normally closed contact for normal and emergency positions.

## MANUFACTURERS

### The transfer switch shall be Cutler-Hammer ASCO 386, MTVX, Russelectric/ Siemens RMT-MAN, or equal.

### Depending on the design the switch may be a Trystar unit.

# EXECUTION

## TESTING

### Operate transfer switch at least three times, demonstrating satisfactory operation each time.

**END OF SECTION**