

SECTION 16145 - CONTACTORS

1.0        GENERAL

1.1        DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION-1 SPECIFICATION SECTIONS, APPLY TO WORK OF THIS SECTION.

1.2        DIVISION-16 BASIC ELECTRICAL MATERIALS AND METHODS SECTIONS APPLY TO WORK OF THIS SECTION.

1.3        SUBMITTALS: SUBMIT THE PRODUCER'S STANDARD DESCRIPTIVE DATA SHEETS FOR EACH TYPE OF PRODUCT BEING PROVIDED. MARK THE DATA SHEET FOR THE PRODUCT BEING PROVIDED WITH AN IDENTIFYING MARK OR ARROW.

1.3.1      SUBSTITUTIONS - PRIOR APPROVAL REQUIRED.

2.0        PRODUCTS

2.1        ACCEPTABLE PRODUCERS: ALLEN-BRADLEY, GENERAL ELECTRIC CO., CUTLER-HAMMER AND SQUARE D.

2.2        GENERAL: SEE ELECTRICAL DRAWINGS, PANELBOARD SCHEDULES AND CONTROL DIAGRAMS FOR NUMBERS AND TYPES OF CONTACTORS REQUIRED. CONTACTORS SHALL BE ELECTRICALLY HELD, UNLESS INDICATED OTHERWISE.

2.3        ENCLOSURES: CONTACTORS SHALL BE MOUNTED IN NEMA TYPE 1 ENCLOSURES.

2.4        POLES: REQUIRED BY CIRCUIT CONTROLLED OR AS INDICATED ON DRAWINGS.

2.5        RATINGS: CONTACTORS SHALL BE RATED 30 AMPERES MINIMUM FOR INDUCTIVE AND RESISTIVE LOAD. VOLTAGE RATINGS SHALL BE AS REQUIRED TO CONTROL LIGHTING CIRCUITS INDICATED ON DRAWINGS.

3.0        EXECUTION

3.1        MOUNTING: FOR CONTACTORS OUTSIDE PANELBOARDS, FURNISH CONTACTORS IN ENCLOSURES AND THE ENCLOSURES SHALL BE MOUNTED ON WALLS TO SLOTTED ANGLES OR CHANNELS WITH REQUIRED HARDWARE. COMBUSTIBLE MATERIALS FOR MOUNTING ARE NOT PERMITTED.

3.2        CONTROLS: INSTALL AS INDICATED ON DRAWINGS.

3.3        SYSTEM IS FREE FROM SHORT CIRCUITS AND OTHER FAULTS.

3.4        ALL EQUIPMENT OPERATES CORRECTLY AND AS SPECIFIED.

3.5        GROUNDED EQUIPMENT SHALL HAVE MAXIMUM OF 25 OHMS RESISTANCE TO GROUND.

END OF SECTION