

## PART 1 - GENERAL

### 1.1 DESCRIPTION

- A. Provide power circuits to main disconnects for the imaging equipment installation, as shown on drawings. Provide raceways and conductors for interconnection of the components of each system as indicated on plans. Not included in scope is the furnishing or placement of equipment, nor the termination of interconnecting wiring.

### 1.2 SYSTEM MANUFACTURER'S DRAWINGS AND SPECIFICATIONS

- A. The systems installation drawings by UWMC Medical Equipment Vendor (ie: Philips, GE, or other) are attached for reference in the drawings. These drawings and the manufacturer's verbal instructions shall be adhered to as directed by the Owner's Representative (notify the Owner's Representative prior to doing any work) if the manufacturer's instructions require a change in the contract price.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Materials to conform to other sections of the specification, except as revised by this section or as shown on plans.

### 2.2 WIRE

- A. Wire which is used for interconnecting vendor medical equipment shall be stranded copper type THHN insulation.

### 2.3 BOXES AND RACEWAYS IN THE CATH LAB PROCEDURE ROOMS

- A. Chase Nipples, flexible conduits, fittings and bushings shall be furnished and turned over to the equipment installer unless indicated to be installed as denoted by "provide" in the junction box and wiring terminal point descriptions.
- B. Boxes shall be flush mounted with 1/2" (minimum) cover overlay on all sides. All covers shall be removable.

### 2.4 EMERGENCY SHUTDOWN PUSHBUTTON

- A. Momentary contact mushroom shaped pushbutton operator, 2-3/8" diameter red button, G.E. #CR104PBM91R6 or similar, with (2) normally open (N.O.) contacts, flush mounted with "EMERGENCY STOP" nameplate and separate engraved nameplate "IMAGING EQUIPMENT POWER EMERGENCY SHUTDOWN" in 3/8" high white letters on red background.
- B. Protective cover: Provide clear polycarbonate hinged protective cover suitable for covering flush mounted pushbutton, STI #13000NC series.

### PART 3 - EXECUTION

#### 3.1 ROUGH-IN

- A. Install complete rough-in for vendor medical equipment as shown on the drawings except that all dimensions for locations of boxes, gutters and equipment shall be verified with the manufacturer prior to installation. The manufacturer's detailed installation drawings shall take precedence over the electrical drawings and minor relocations which do not substantially increase labor and materials shall be made at no additional cost to the Owner. All raceway bends shall be long radius. No condulets or 90 degree short ells permitted. Wireways shall be 45 degree bends, 90 degree corners not permitted.
- B. Provide openings in vendor furnished boxes as shown on the drawings. Protect all edges with grommet material.

#### 3.2 WIRES AND CABLES

- A. Interconnecting wires and cables shall be continuous between each wiring termination point. Length of wire runs shall include the distance the wires will run in the wireway and interconnecting raceway plus the vertical distance from the wireway to the wiring termination point. Provide wiring/terminations as indicated on manufacturer's detailed installation drawings.
- B. Color code power, neutral and ground wires in accordance with NEC Article 310.
- C. Ring out and identify all wire runs at both ends and leave ready for termination by system manufacturer's installation crew. Identification shall be as required by manufacturer's detailed installation drawings.

#### 3.3 COORDINATION

- A. Carefully coordinate work with structural support system and mechanical system. Do not cut lead shielding at any location unless specifically directed to do so by Owner's Representative.

#### 3.4 RACEWAY ONLY

- A. When raceways only are shown on the drawings provide a measuring pull tape in each raceway showing the total raceway length.

**END OF SECTION**