

## SECTION 104313 - DEFIBRILLATOR CABINETS

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

## 1.2 SUMMARY

- A. Section Includes:
  - 1. Recessed Defibrillator cabinets.

## 1.3 PREINSTALLATION CONFERENCE

- A. Preinstallation Conference: Conduct conference at Project site.
  - 1. Review methods and procedures related to fire-protection cabinets including, but not limited to, the following:
    - a. Schedules and coordination requirements.

## 1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For defibrillator cabinets to be included in maintenance manuals.

## 1.5 COORDINATION

- A. Coordinate size of defibrillator cabinets to ensure that type and capacity of AED indicated are accommodated.
- B. Coordinate sizes and locations of defibrillator cabinets with wall depths.

## 1.6 SEQUENCING

- A. Apply decals and vinyl lettering on field-painted fire-protection cabinets after painting is complete.

## PART 2 - PRODUCTS

## 2.1 PERFORMANCE REQUIREMENTS

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

## 2.2 AUTOMATIC EXTERNAL DEFIBRILLATOR (AED) CABINETS

- A. Style: Interior, Recessed
- B. Cabinet Material: Specifier Note:
  - 1. Steel with electrostatic White impact resistant powder coat finish.
- C. Door Style: Full acrylic with Vandal resistant handle, Lock and concealed hinges.
- D. Trim Style: Flat trim 1.5 inches ([8mm return trim.
  - 1. Frame and Door: 1.75 inches (44.44 mm).
- E. Tub: Steel with impact resistant White epoxy coating].
- F. Acceptable Manufacturers: JL Industries, Inc., Lifestart 1400 Series.

## 2.3 ACCESSORIES

- A. Vandal Resistant Handle: Cam style locking device.
  - 1. Acceptable Material: JL Industries, Inc., SAF-T-LOK.
- B. Cabinet Seal:
  - 1. Acceptable Material: JL Industries, Inc., SAF-T-CLASP.
- C. Alarm: Ensure 85 dB horn sounds for 2 minutes minimum when door is opened and stops when door closes.
  - 1. Keyed Alarm: On/Off.
  - 2. Horn Power: 9 Volt DC battery. With low power indicator.
- D. Defibrillator:
  - 1. Acceptable Material: Medtronic ERS, Model Lifepak CR Plus or other as supplied by Owner.

## 2.4 IDENTIFICATION

- A. Identify defibrillator cabinets in accordance with ANSI/NFPA 10 using Silk screen print on inside of acrylic, Decals and Die cut lettering.

## 2.5 SOURCE QUALITY CONTROL

- A. Ensure defibrillator cabinet components and materials are from single manufacturer.

## 2.6 FABRICATION

- A. Defibrillator Cabinets: Provide manufacturer's standard box (tub) with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated.
  - 1. Weld joints and grind smooth.

2. Provide factory-drilled mounting holes.
  3. Prepare doors and frames to receive locks.
  4. Install door locks at factory.
- B. Cabinet Doors: Fabricate doors according to manufacturer's standards, from materials indicated and coordinated with cabinet types and trim styles.
1. Fabricate door frames with tubular stiles and rails and hollow-metal design, minimum 1/2 inch (13 mm) thick.
  2. Miter and weld perimeter door frames.
- C. Cabinet Trim: Fabricate cabinet trim in one piece with corners mitered, welded, and ground smooth.

## 2.7 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's AMP 500, "Metal Finishes Manual for Architectural and Metal Products," for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces of fire-protection cabinets from damage by applying a strippable, temporary protective covering before shipping.
- C. Finish defibrillator cabinets after assembly.
- D. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

## PART 3 - EXECUTION

### 3.1 INSTALLERS

- A. Provide experienced and qualified technicians to carry out erection, assembly and installation of defibrillator cabinets.

### 3.2 EXAMINATION

- A. Examine roughing-in for cabinets to verify actual locations of electrical connections before cabinet installation.
- B. Examine walls and partitions for suitable framing depth and blocking where recessed cabinets will be installed.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.3 PREPARATION

- A. Prepare recesses for recessed defibrillator cabinets as required by type and size of cabinet and trim style.

### 3.4 INSTALLATION

- A. General: Install defibrillator cabinets in locations and at mounting heights indicated.
  - 1. Defibrillator Cabinets: 54 inches (1372 mm) above finished floor to top of cabinet.
  - 2. Handle shall be no more than 48" above finished floor.
- B. Defibrillator Cabinets: Fasten cabinets to structure, square and plumb.
  - 1. Unless otherwise indicated, provide recessed defibrillator cabinets. If wall thickness is inadequate for recessed cabinets, provide semi-recessed cabinets.
  - 2. Fasten mounting brackets to inside surface of fire-protection cabinets, square and plumb.

### 3.5 ADJUSTING AND CLEANING

- A. Remove temporary protective coverings and strippable films, if any, as cabinets are installed unless otherwise indicated in manufacturer's written installation instructions.
- B. Adjust cabinet doors to operate easily without binding. Verify that integral locking devices operate properly.
- C. On completion of cabinet installation, clean interior and exterior surfaces as recommended by manufacturer.
- D. Touch up marred finishes, or replace cabinets that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by fire-protection cabinet and mounting bracket manufacturers.
- E. Replace cabinets that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

### 3.6 DEMONSTRATION

- A. Instruct Owner's designated maintenance personnel in care, adjustment and operation of defibrillator cabinets.
- B. If required, provide competent instructor for not less than one 4-hour training session after completion and acceptance of work.
- C. Forward statement to Owner and Architect countersigned by maintenance personnel confirming that these instructions have been provided.

END OF SECTION 104313