

## **SECTION 10 43 00 – EMERGENCY SPECIALTIES**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. Provide the work of this Section in accordance with requirements of the Contract Documents
- B. Section includes but is not limited to defibrillator AED cabinets including:
  - 1. Non-Rated:
    - a. Recessed cabinet **AED-01**.
    - b. Surface mounted cabinet **AED-03**.
  - 2. Fire Rated:
    - a. Recessed cabinet **AED-01FR**.

#### **1.2 ACTION SUBMITTALS**

- A. Product Data: Include standard details, material descriptions, cabinet type, door style, door hardware, trim, and finishes.
- B. Sustainable Design Submittals:
  - 1. Building Product Disclosure and Optimization - Sourcing of Raw Materials:
    - a. Recycled Content: For products having recycled content, indicate percentages by weight of post-consumer and pre-consumer recycled content.
      - 1) Include statement indicating costs for each product having recycled content.
- C. Shop Drawings: Include plan locations, elevations, sections, and details, and attachments to other work.
- D. Samples for Initial Selection: For each type of exposed material, color, and finish not specified.
- E. Samples for Verification:
  - 1. Metal Finishes: Manufacturer's standard-size unit.

#### **1.3 CLOSEOUT SUBMITTALS**

- A. Maintenance Data: For defibrillator (AED) cabinets to include in maintenance manuals.

#### **1.4 COORDINATION**

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

#### **1.5 Delivery, Storage, and Handling**

- A. Deliver, store, and protect defibrillator cabinets and related materials to prevent damage, deterioration, or loss.
- B. Deliver components in original packaging, properly labeled for identification.

### **PART 2 - PRODUCTS**

#### **2.1 MANUFACTURERS**

- A. Source Limitations: Obtain defibrillator (AED) cabinets from single source from single manufacturer.
- B. Manufacturer:
  - 1. Subject to compliance with requirements, provide basis of design product or comparable by one of the following:
    - a. Activar Construction Products Group, a division of JL Industries, Inc.
    - b. Larsens Manufacturing Company.

#### **2.2 PERFORMANCE REQUIREMENTS**

- A. Fire Rated, Defibrillator Cabinets: Listed and labeled to comply with requirements in ASTM E814 for fire-resistance rating of walls where they are installed.
- B. 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.

#### **2.3 DEFIBRILLATOR (AED) CABINETS – NON-RATED**

- A. Basis of Design, Cabinet: 1400 series Lifestart Series by Activar Construction Products Group, a division of JL Industries, Inc.
- B. Types:
  - 1. Recessed Cabinet **AED-01**: One piece square edge trim and perimeter door frame overlapping surrounding wall surface, with narrow exposed trim face of maximum 2 inches (50 mm) and maximum 1/2 inch (13 mm) wall return at outer edge (backbend).
  - 2. Surface Mounted Cabinet **AED-03**: One piece square edge cabinet box fully exposed and mounted directly on wall with no trim.

C. Cabinet Material:

1. Tub Interior: Steel:
2. Finish: Powder-coated steel.
  - a. Color: White.

D. Door and Trim Construction:

1. Door Style: Full glazed.
2. Door Glazing: Clear acrylic sheet.
3. Door and Trim Material: Stainless Steel
4. Finish: No. 4 directional satin finish or No.6 finish

E. Door Hardware:

1. D-pull, stainless steel or zinc plated.
2. Continuous concealed hinge.
3. Door stop.
4. Roller catch.
5. Key or audible alarm.

F. Wall Signs and Cabinet Lettering:

1. AED wall signs.
2. Custom door graphics.
3. AED Identification: Wall signage with lettering complying with authorities having jurisdiction for letter style, size, spacing, and location.
  - a. Location: Applied to cabinet glazing.
  - b. Application Process: Pressure sensitive vinyl letters.
  - c. Lettering Color: Red.

## 2.4 EMERGENCY SPECIALTY CABINET – FIRE-RATED

A. Basis of Design: 1400 FX2 series Lifestart Series Fire-Rated by Activar.

B. Types:

1. Recessed Cabinet **AED-01FR**: One piece square edge trim and perimeter door frame overlapping surrounding wall surface, with narrow exposed trim face of maximum 2 inches (50 mm) and maximum 1/2 inch (13 mm) wall return at outer edge (backbend).

C. Cabinet Material:

1. Tub Interior: Steel:
2. Finish: Powder-coated steel.
  - a. Color: White.

D. Door and Trim Construction:

1. Door Style: Full glazed.
2. Door Glazing: Clear acrylic sheet.
3. Door and Trim Material: Stainless Steel
4. Finish: No. 4 directional satin finish or No.6 finish

E. Door Hardware:

1. D-pull, stainless steel or zinc plated.
2. Continuous concealed hinge.
3. Door stop.
4. Roller catch.
5. Key or audible alarm.

F. Wall Signs and Cabinet Lettering:

1. AED wall signs.
2. Custom door graphics.
3. AED Identification: Wall signage with lettering complying with authorities having jurisdiction for letter style, size, spacing, and location.
  - a. Location: Applied to cabinet glazing.
  - b. Application Process: Pressure sensitive vinyl letters.
  - c. Lettering Color: Red.

## 2.5 MATERIALS

- A. Cold Rolled Steel: ASTM A 1008/A 1008M, Commercial Steel CS, Type B.
- B. Clear Acrylic Sheet: ASTM D 4802, Category A-1 (cell cast sheet), 3 mm thick, with Finish 1 (smooth or polished).

## 2.6 FABRICATION

- A. AED Cabinets: 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. Frame shall have no visible joints.
  3. Provide factory drilled mounting holes.
- B. Cabinet Doors: Fabricate doors from materials indicated and coordinated with cabinet types and trim styles.
  1. Fabricate door frames of one piece construction with edges flanged.
  2. Miter and weld perimeter door frames and grind smooth.
- 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 fire-protection cabinets after assembly.
- D. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. 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 EXAMINATION**

- A. Examine roughing-in for AED cabinets to verify actual locations before cabinet installation.
- B. Examine walls and partitions for suitable framing depth and blocking where semi recessed cabinets are installed.
- C. Proceed with installation after correcting unsatisfactory conditions.

### **3.2 PREPARATION**

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

### **3.3 INSTALLATION**

- A. Install AED cabinets in locations and at mounting heights indicated or at heights acceptable to authorities having jurisdiction and accessibility standards.
- B. AED Cabinets: Fasten cabinets to structure, square and plumb.
  - 1. Unless otherwise indicated, provide recessed AED cabinets. If wall thickness is inadequate for recessed cabinets, provide semi recessed AED cabinets.
- C. Locate AED cabinet in locations indicated and in compliance with requirements of authorities having jurisdiction.
- D. Identification: Verify AED identification and graphic is viewable through window.

### **3.4 ADJUSTING AND CLEANING**

- A. Remove temporary protective coverings and strippable films as AED cabinets are installed unless

otherwise indicated in manufacturer's written installation instructions.

- B. Adjust AED cabinet doors to operate easily without binding.
- C. On completion of AED cabinet installation, clean interior and exterior surfaces as recommended by manufacturer.
- D. Touch up marred finishes or replace AED cabinets that cannot be restored to factory finished appearance. Use materials and procedures recommended or furnished by AED cabinet manufacturers.
- E. Replace AED cabinets that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

**END OF SECTION**