

**SECTION 13 34 00**

**KENNEL ENCLOSURES AND GATES**

**PART 1 - GENERAL**

**1.1 SUMMARY:**

A. Section Includes:

1. Welded wire mesh animal enclosures, including swinging and sliding gates and hardware.
2. Supplementary parts and components, such as inserts, clips, bracing, anchors, fasteners, and other miscellaneous supports required for a complete installation.

**1.2 APPLICABLE PUBLICATIONS:**

A. Comply with the references to extent specified in the Section.

B. American Welding Society (AWS):

D1.1/D1.1M-15.....Structural Welding Code - Steel.

C. ASTM International (ASTM):

A53/A53M-20.....Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.

A123/A123M-17.....Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

A153/A153M-16a.....Zinc Coating (Hot-Dip) on Iron and Steel Hardware.

D. Master Painters Institute (MPI):

No. 18.....Primer, Zinc Rich, Organic.

**1.3 SUBMITTALS:**

A. Submittal Procedures: Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

B. Submittal Drawings:

1. Large scale, dimensioned, for each enclosure, showing design, construction and materials.
2. Layout drawings with detailed erection drawings.

C. Manufacturer's Literature and Data:

1. Description of each product.
2. Installation instructions.

**1.4 QUALITY ASSURANCE:**

A. Manufacturer Qualifications:

1. Regularly manufactures specified products.
2. Manufactured specified products with satisfactory service on five similar installations for minimum five years.

B. Welders and Welding Procedures Qualifications: AWS D1.1/D1.1M.

**1.5 DELIVERY:**

- A. Deliver products in manufacturer's original sealed packaging.
- B. Before installation, return or dispose of products within distorted, damaged, or opened packaging.

**1.6 STORAGE AND HANDLING:**

- A. Protect products from damage during handling and construction operations.

**1.7 WARRANTY:**

- A. Construction Warranty: FAR clause 52.246-21, "Warranty of Construction."

**PART 2 – PRODUCTS:**

**2.1 SYSTEM DESCRIPTION:**

- A. Factory fabricate welded wire mesh animal enclosures designed for rapid field erection based on the proposed design layout.
1. Fabricate modular units, designed as free standing.

**2.2 MAUFACTURES:**

1. Shor-Line
2. Midmark
3. Or Approved Equal.

**2.3 KENNEL DESIGN:**

A. See drawings for layout, sizes, and details.

B. FEATURES:

1. 1-1/4" Stainless Steel tubing with mitered corners.
2. 1/4" Stainless Steel wire rectangular panel spaced maximum every 6" vertically and maximum 2" horizontally for security.
3. Wire panel rods welded at every intersection.
4. All Kennels to have Wire doors.
5. 16-gauge Stainless steel hardware.

**2.4 ACCEESSORIES:**

A. Kennel Clad Insulated Guillotine Doors.

B. MANUFACTURES:

1. Security Boss Pet Doors.
2. Or Approved equal.

C. FEATURES:

1. Aluminum Clad Insulated Panel (air cell polypropylene core clad with 18-gauge aluminum framed with customized Channel) affixed with stainless steel fasteners provide a heavy duty insulated panel with optimum insulation and rugged long life.
2. Flexible bulb seal fits tight into customized channel to ensure seal to floor as well as having hidden profile from chewers.
3. Mounting Slots allows for proper fitting and adjustment to ensure a smooth door operation.
4. Customized unique framing channels provides integrated panel strength and allows for the attachment of Hidden Top Wall and Floor Seals. Secured with stainless steel fasteners.
5. Hidden Top Wall Seal bridges the gap between door and the wall ensuring no air leakage when door is closed, offset and hidden from mischievous dogs. Durable, brush with Interior Vinyl fin is seated in customized channel.
6. Heavy duty Channel Side Rails constructed with solid extruded 6063-T6 Aluminum. Rails are heat treated and feature machine screw slots for easy mounting and fitting adjustments. Each rail measures 2.5" wide and 48" long. Dual Channel design allows for use with standard 1/4" thick door as well as the Kennel Clad Insulated Doors.

D. WARRANTY: A limited 1-year warranty for their component parts to be free of defects on materials and workmanship for a period 1-year from the date of purchase. Destructive behavior by Kennel occupants is not covered under warranty.

E. INSTALLATION: As per manufacture's specifications.

F. CARE AND USE:

1. The Insulated Kennel door panel is constructed of High Density Poly Ethylene (HDPE) laminated between two layers of Aluminum Sheet. This core is then covered on both sides with rugged ABS plastic. The ABS plastic is designed to allow a large difference in temperature from one surface of the panel to the other without warping. This is accomplished through the use of float rivets that mount the ABS to the core.

2. Be sure that the Kennel Door is raised and lowered slowly while keeping constant tension on the lifting cable assembly. If the panel does not slide easily in the kennel rails, check that the Kennel Rails are adjusted correctly. DO NOT FORCE OR DROP THE KENNEL DOOR FROM THE OPEN POSITION.

3. Be sure the cable has not come off of the pulley rollers as this will result in increased lifting effort and doors sticking in the open position. (Remedy by following step 2 in this section)

4. Be careful not to drop the Kennel Door on its corners as they can become damaged and hinder ease of operation.

5. Keep the Top Cap and/or Bottom Seal on the Kennel Door. These help the door absorb impacts and prolong the life of the Panel.

6. On the composite insulated Kennel Door, Replacement float rivets are available from the distributor, should the ones on the Insulated Kennel Door work loose. Re-install by pressing the two pieces together from opposite sides of the panel in the pre-drilled holes.

### **PART 3 – EXECUTION:**

#### **3.1 INSTALLATION**

A. Install products according to manufacturer's instructions and approved submittal drawings.

1. When manufacturer's instructions deviate from Specifications, submit proposed resolution for Contracting Officer's Representative consideration.

B. Install gates plumb and level within 6 mm (1/4 inch) in 3 m (10 feet).

1. Adjust hardware for smooth operation.

C. Replace bent framing and welded wire mesh or entire damaged enclosure.

**-END OF SECTION-**