SECTION 13 19 13
KENNEL ENCLOSURES AND GATES

SPEC WRITER NOTE: Delete between //--// if not applicable to project. Also delete any other item or paragraph not applicable in the section and renumber.

PART 1 – GENERAL

1.1 DESCRIPTION
This section covers the furnishing and installation of chain link animal enclosures, complete with gates and hardware.

1.2 MANUFACTURER’S QUALIFICATIONS
Chain link animal enclosures shall be products of a manufacturer regularly engaged in making chain link animal enclosures of the type specified.

1.3 DESIGN CRITERIA
Chain link animal enclosures shall be factory fabricated, and be designed for rapid field erection with simple tools.

1.4 SUBMITTALS
A. Submit in accordance with Section 01 33 23 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
B. Shop Drawings: Animal enclosure, showing design, construction and materials. Provide layout drawings with detailed erection drawings and specification.
C. Manufacturer's Literature and Data: Animal enclosures, each type
D. Manufacturer's Certifications: Zinc-coating for steel components complies with this specification.

1.5 APPLICABLE PUBLICATIONS
A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only:
B. American Society for Testing And Materials (ASTM):
   A123/A123M-09 .......... Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
   A134-96(R2005) .......... Pipe, Steel
   A392-11 ............... Zinc-Coated Steel Chain Link Fence Fabric

PART 2 – PRODUCTS

2.1 MATERIALS
A. Chain Link Fabric: ASTM A392, Class 1 Zinc Coating.
B. Frames: Either pipe or tubing as specified, except only one material shall be used throughout.
2. Steel tubing, 38 mm (1-3/8 inch) outside diameter.
3. Pipe and tubing shall be hot-dip galvanized in accordance with ASTM A123/A123M.

C. Hardware and Accessories:
1. Latches: Corrosion-resistant metal (galvanized latches are not acceptable). Devices shall be self latching and shall be easily operated with one hand. Provide hasps for padlocks.
2. Pivots and hinges for swing gates: Either pivots or hinges as specified, except only one type shall be used throughout.
   a. Provide pivots top and bottom with a machined pivot ring at bottom.
   b. Hinges shall be cast aluminum alloy, clamp on type with two washers at each hinge. Provide two hinges for each gate.
3. Tracks and carriers for slide gates: Provide two bottom guides and two overhead carriers. Carriers shall have sealed ball bearing wheels, track shall be formed of 16 mm (0.635 inch) thick galvanized steel.
4. Legs: Legs shall be an extension of upright posts or shall be cast aluminum alloy clamp on type. Only one type shall be used throughout.
5. Miscellaneous clamps and fasteners: Panel clamps shall be either cast aluminum or 19 mm (0.747 inch) thick galvanized steel. Masonry clamps shall be 19 mm (0.747 inch) thick galvanized steel. Nuts and bolts shall be corrosion-resistant metal or cadmium plated steel.
6. Isolation panel: Aluminum sheet 1.3 mm (0.050 inch) thick, secure with 25 mm (one inch) wide stainless steel key hole straps, spaced maximum 225 mm (9 inches) on center, use stainless steel nuts and bolts.

2.2 FABRICATION
A. Panels and Gates: Factory fabricated on a modular basis, designed to be free standing.
B. Frames: Weld joints and connections with welds ground and dressed. Frames shall be either hot-dipped after welding or the welds shall receive two coats of zinc rich paint and a top coat of aluminum paint. Cap open ends of pipe.
C. Panel and Gate Construction:
1. Panels over 1800 mm (6 feet) in length shall have one intermediate upright, over 3000 mm (10 feet) two intermediate uprights. Provide
legs for each corner and each upright. // See drawings for sloped floors, design panels to conform//.

2. Gates shall have horizontal pipe braces. Bolt or weld hardware in place, set gates in gate frames at factory.

PART 3 - EXECUTION

3.1 ERECTION

A. Connect the panels and gates in accordance with the manufacturer's detailed erection drawings and printed directions. Gates shall operate easily and latch securely.

B. Panels or gates with bent members or with mesh not tensioned shall be replaced.

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